Appendix B

Air Quality and Greenhouse Gas Report for

the

Thermal Ranch Specific Plan, prepared by

Terra Nova Planning & Research, Inc.,

September 2024

Air Quality and Greenhouse Gas Report

THERMAL RANCH SPECIFIC PLAN

Thermal, Riverside County, California

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September 2024

Table of Contents

Table List

Exhibit List

Figure List

ES EXECUTIVE SUMMARY

This Air Quality and Greenhouse Gas Report was prepared to accompany the Environmental Impact Report (EIR) for the proposed Thermal Ranch Specific Plan (referred to as the Project). The Project is located in the southeast portion of the Coachella Valley within the unincorporated area of Thermal, Riverside County. The Project proposes a high-quality, master-planned equestrian lifestyle community within six (6) distinct Planning Areas centered around a world-class equestrian center on 619.1 acres of largely vacant farmland. The proposed Project includes up to 1,682 dwelling units (including 320 RV spaces for workforce housing), 285,000 square feet of commercial uses and a 150-key hotel. The Project also proposes construction of a 5-million-gallon (mg) off-site water tank at the existing Middleton Reservoir site.

The purpose of this report is to assess the potential air quality and greenhouse gas (GHG) impacts associated with the construction and operation of the proposed Project in accordance with Appendix G of the California Environmental Quality Act (CEQA) Guidelines.

Section 1 of this report introduces the proposed Project. Sections 2 and 4 provide background information on air quality and climate change. Sections 3 and 5 analyze the potential impacts of the Project on air quality and greenhouse gas emissions, respectively.

ES.1 Air Quality

The Project is located in the Riverside County portion of the Salton Sea Air Basin (referred to as Coachella Valley Planning Area or Coachella Valley), within the jurisdictional boundary of the South Coast Air Quality Management District (SCAQMD). The Project would comply with the strategies and rules established in SCAQMD's applicable air quality plans.

The emissions of criteria air pollutants projected to result from the Project were calculated using the California Emissions Estimator Model (CalEEMod) Version 2022.1. Analysis found that the Project would result in criteria pollutant emissions during both its construction and operation. It was determined that the Project would not expose sensitive receptors to substantial pollutant concentrations, nor would it result in significant levels of other emissions (such as odors) that would adversely affect sensitive receptors.

The analysis in this report found that the combined daily maximum emissions from construction of the Project and the off-site water tank would exceed the SCAQMD mass daily thresholds for NO_x. A mitigation measure is set forth requiring the use of oxidation catalysts in all off-road equipment used during the grading phase of Project and water tank construction. Implementation of this measure will reduce construction-related impacts to less than significant levels.

This report also found that the Project's operational emissions of CO, NO_x, and ROG would exceed the daily emissions thresholds established by SCAQMD. These pollutant emissions would

primarily be from mobile sources. As a result of this exceedance, the Project also has potential to conflict with or obstruct the implementation of applicable air quality management plans.

Mitigation measures are set forth in order to reduce the Project's fugitive dust emissions. Specifically, it is required that the Project proponent prepare and implement an operational Fugitive Dust Control Plan for the proposed equestrian center.

Measures to reduce operational emissions of CO, NO_x, and ROG could not be confidently quantified and applied as mitigation because these emissions result primarily from mobile sources and therefore are subject to the transportation choices made by residents, employees, and visitors of the development. As a result, the Project's operational criteria pollutant emissions will continue to exceed the SCAQMD thresholds for CO, NO_x, and ROG, and associated impacts will be significant and unavoidable.

ES.2 Greenhouse Gases

In addition to federal and state regulations and greenhouse gas (GHG) reduction targets, the Project's GHG emissions are subject to the SCAQMD rules and the County of Riverside's 2019 Climate Action Plan (CAP) Update. CalEEMod was used to project the GHG emissions expected to result from construction and operation of the proposed Project. Based on the development review process provided in the Riverside County CAP Update, two methods for determining significance were used: screening tables and calculation of GHG emissions.

Method 1: Screening Tables
The Project gained 100 points in the residential and commercial Screening Tables for design features proposed in the Thermal Ranch Specific Plan and required by the most recent Title 24 regulations and with required measures in the CAP. According to the CAP, mixed-use projects that garner at least 100 points will be consistent with the reduction quantities in the County's CAP Update and would be considered less than significant for GHG emissions. It was therefore concluded that, based on the Screening Tables provided in the Riverside County CAP Update, the proposed Thermal Ranch Specific Plan would have less than significant impacts for GHG emissions.

GHG Emission Calculations
Per the County CAP, two modeling runs must be completed to determine the significance of GHG emissions. The first modeling run must calculate GHG emissions at 2017 levels of efficiency, and the second modeling run must calculate GHG emissions for the efficiency levels for the project's buildout year and should include any relevant project design features and/or mitigation measures. In order for a project's GHG to be considered less than significant, emissions for the project's buildout year must meet or exceed a 25 percent reduction from the project's 2017 emissions. GHG emissions were projected for a hypothetical buildout year of 2017, as well as for the proposed buildout in 2032. After quantifying the projected emissions for 2017 and 2032, it was determined that the Project's emissions would be reduced by at least 25 percent from those expected from hypothetical buildout in 2017. Therefore, per the CAP Update significance thresholds, the Project's GHG emissions are less than significant. Given that the County's CAP

Update was designed to meet emissions reductions targets set forth in Assembly Bill 32 and Senate Bill 32, the Project was also found to comply with local and state plans adopted for the purpose of reducing GHG emissions. Overall, the Project's impacts on GHG emissions were determined to be less than significant, and no mitigation measures are required.

1 INTRODUCTION

1.1 Site Location

The Thermal Ranch Specific Plan (Project) proposes an approximately 619.1-acre equestrian-oriented development in the unincorporated community of Thermal, in Riverside County (**Exhibit 1-1**). The site is bounded by Harrison Street to the west, Avenue 62 to the north, Tyler Street to the east, and Avenue 64 to the south (**Exhibit 1-2**). The subject property is within the boundaries of the Eastern Coachella Valley Area Plan (ECVAP). The Project is accessible from the east from State Highways 86 and 111 via Avenue 62, and Harrison Street from the north.

Surrounding properties are primarily undeveloped or used for agricultural operations, as well as some residential uses in the Kohl Ranch Specific Plan area to the north and east of the Project site.

1.2 Project Description

As shown in **Exhibit 1-3** and **1-4**, the Specific Plan proposes the development of a 619.1±-acre master planned equestrian-lifestyle community based around an equestrian center. The equestrian center will consist of approximately 231-acres of competition facilities, boarding, training, arenas, farrier/veterinarian services, RV and trailer parking, back of house uses, commercial retail, and dining options. A mix of residential neighborhoods will surround the equestrian center, including up to 390 units of attached and detached single-family housing, 132 large rural estate lots, 340 resort condominiums, 500 units of seasonal and year-round workforce housing, and Recreational Vehicle (RV) park facilities. In addition to the commercial amenities proposed for the equestrian center, the Project proposes an additional 150,000 square feet of neighborhood commercial space and amenities, as well as a 150 key hotel and supporting hospitality uses. The neighborhoods and equestrian center will be connected via a network of golf cart and pedestrian paths. **Table 1-1** provides a summary of the proposed land uses.

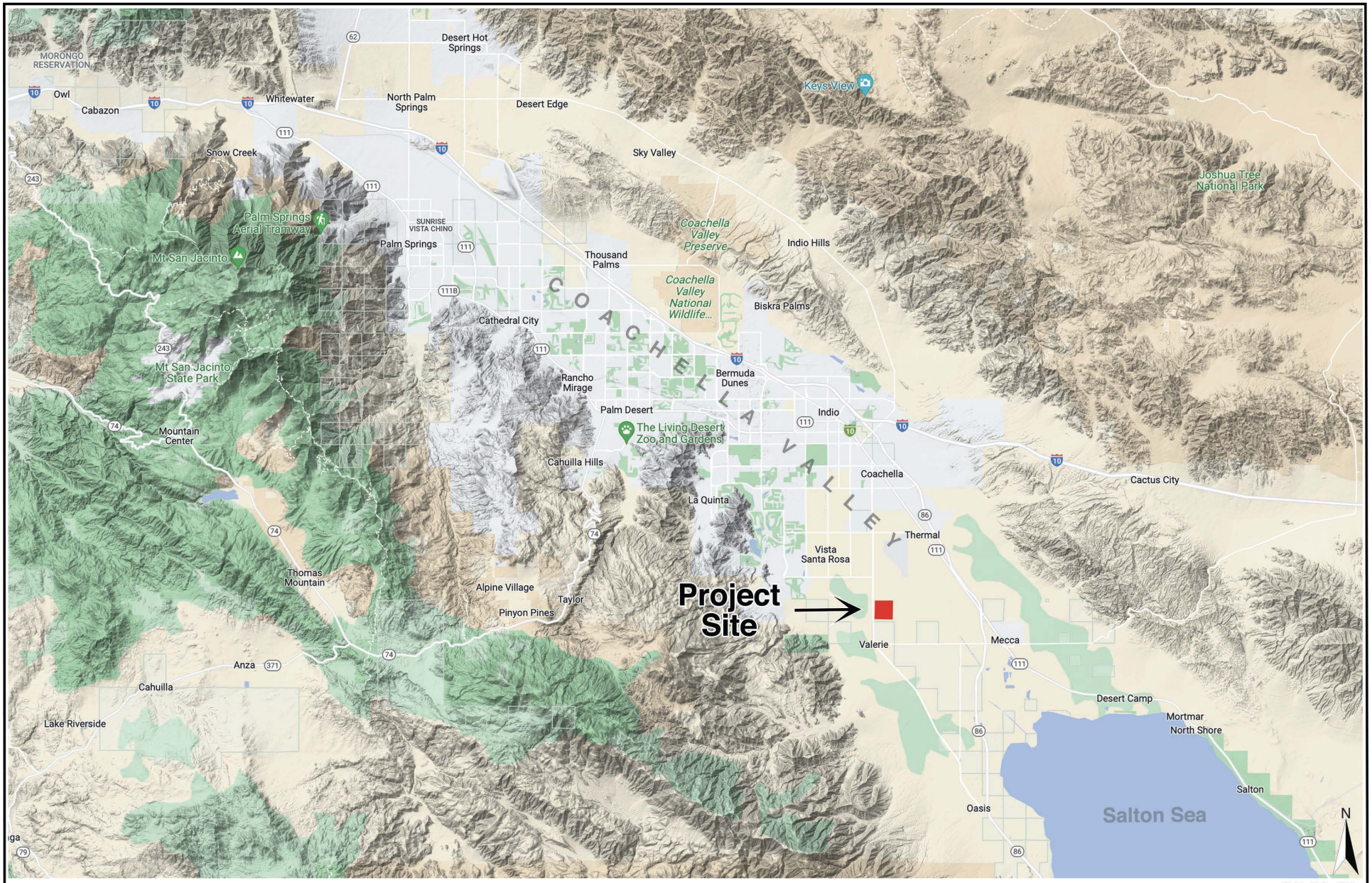
The undeveloped site is currently occupied by well infrastructure and several structures for agricultural operations. Drain tiles and pipes also occur on the property. The site topography slopes from northwest to southeast, with elevations ranging from 370 feet above mean sea level along the northwest corner to 350 feet in the southeast corner along Avenue 64.

The Project also proposes construction of a 5-million-gallon (mg) off-site water tank at the existing Middleton Reservoir site (**Exhibit 1-5**) owned and operated by the Coachella Valley Water District (CVWD). The new reservoir will occur on a 13.6-acre site and be approximately 163 feet in diameter and 32 feet in total height, with a portion of the tank expected to be constructed sub-grade. The existing site currently hosts a CVWD 2.5 mg tank and is planned and has been improved for multiple tanks. To accommodate the new 5 mg tank, the northerly portion of the existing berm will be shifted farther north approximately 35 feet.

Table 1-1
Project Land Use Summary

Planning Area	Description	Acres	Residential Units	Commercial SF	Office SF	Hotel Keys
1	Equestrian Center	223.1		75,000	10,000	
2	Estate Residential	194.1	132			
3	Single Family Attached/Detached	69.5	390			
4a	Workforce Housing	18.3	500			
4b	Equestrian RV Park	22.8	320 RV spaces			
5a	Resort Condos	42.1	340			
5b	Hotel	8.1				150
5c	Resort Retail	4.2		50,000		
6	Commercial Retail	21.4		150,000		
Perimeter ROW		15.3				
Middleton Reservoir 5mg Tank (Off-Site)		13.6				
TOTALS		632.7	1,362 DUs 320 RVs	275,000	10,000	150

Source: Thermal Ranch Specific Plan Table 2.1 Land Use Summary.



Source: Google Maps, 02.07.23

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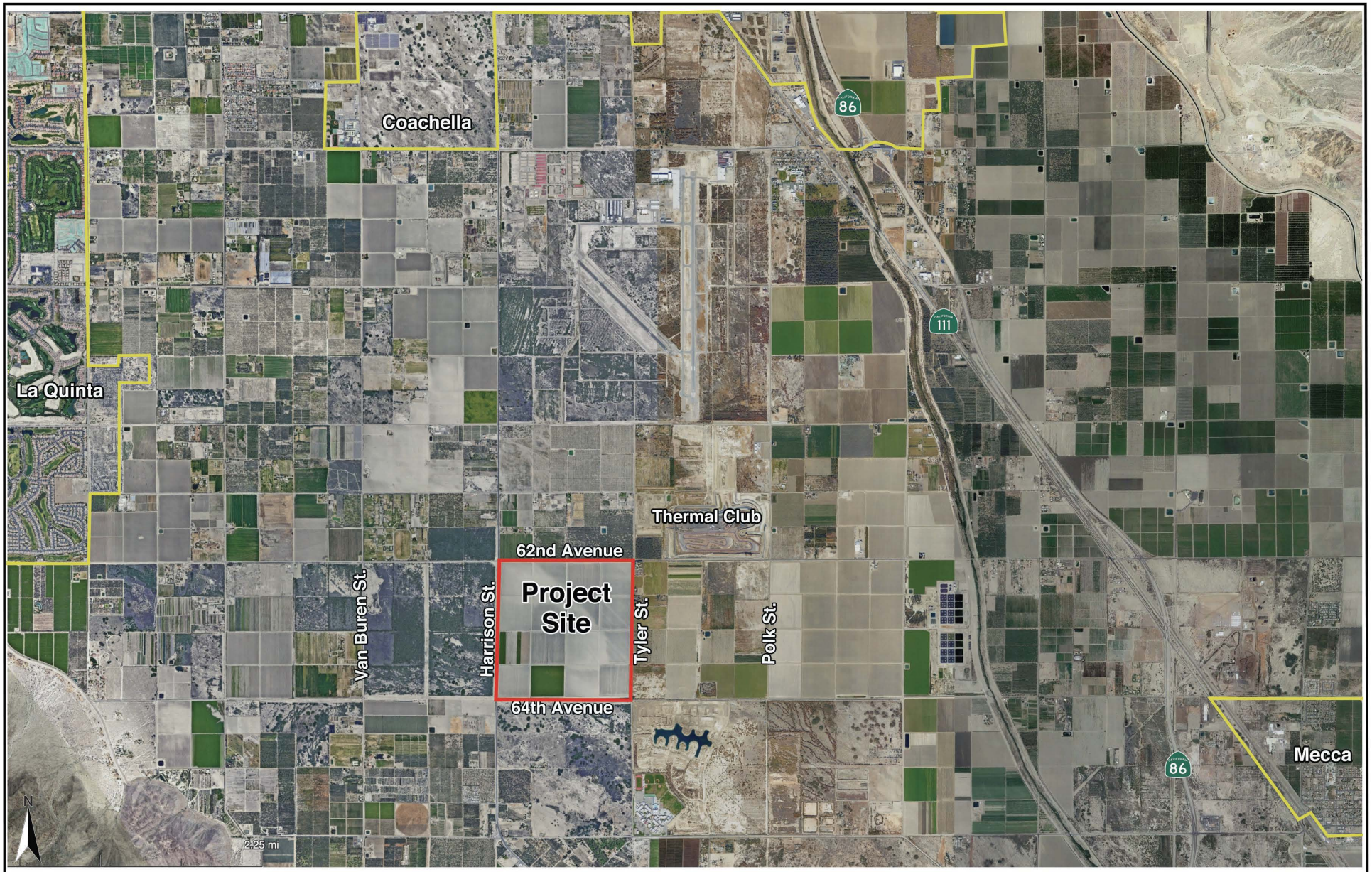
Thermal Ranch Specific Plan EIR
Air Quality and Greenhouse Gas Report
Project Vicinity Map
Thermal, California

Exhibit
1-1



Source: Google Earth, 02.07.23

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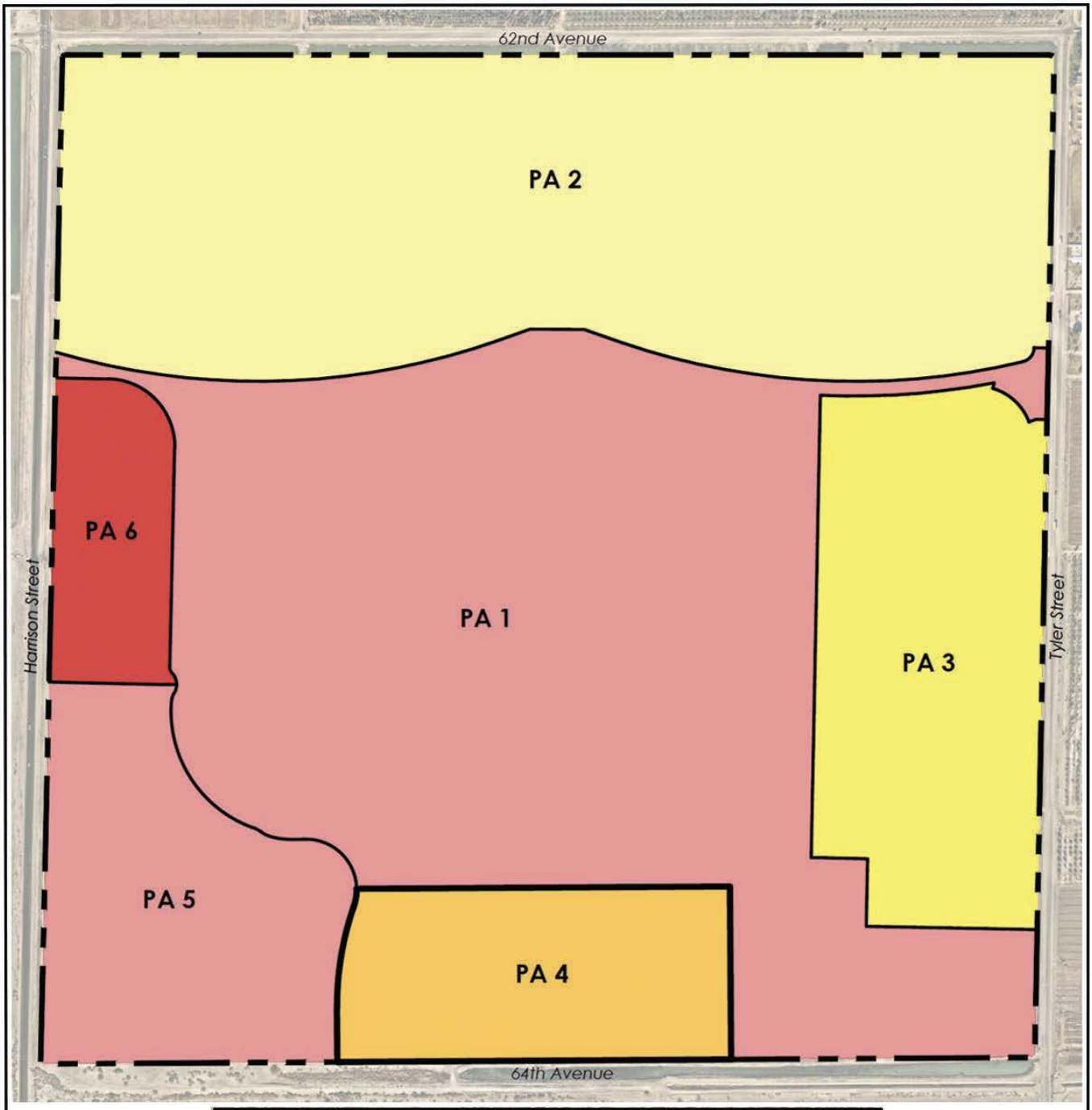
Thermal Ranch Specific Plan EIR
Air Quality and Greenhouse Gas Report
Project Location Map
Thermal, California

Exhibit
1-2



Legend	
— — —	Project Boundary
———	Planning Area Boundary
	PA 1: Tourist Commercial (CT)
	PA 2: Low Density Residential (LDR)
	PA 3: Medium Density Residential (MDR)
	PA 4: High Density Residential (HDR)
	PA 5: Tourist Commercial (CT)
	PA 6: Commercial Retail (CR)

Source: MSA Consulting, Inc., 09.23.2022

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Thermal Ranch Specific Plan EIR
Air Quality and Greenhouse Gas Report
Project Planning Areas
Thermal, California

Exhibit
1-3

— — —	Project Boundary				
①	Horse Park	Ⓐ	Grand Entry	Ⓗ	Private Barns
②	Estate Lots	Ⓑ	Gathering/Dining Commons	Ⓘ	Pasture
③	Neighborhoods	Ⓒ	Competition Rings	Ⓙ	Grass Field
④	Horse Park Workforce Housing	Ⓓ	Warmup/Jumper Rings	Ⓚ	Back of House
⑤	Hotel/Resort	Ⓔ	Common Barns	Ⓛ	Office
⑥	Commercial	Ⓕ	Parking	Ⓜ	CVWD Well Site
		Ⓖ	Staging Area	Ⓝ	Potential Substation

Note: This exhibit illustrates one possible development scenario. Other site development concepts are allowed subject to the standards and guidelines of this Specific Plan.

Source: MSA Consulting, Inc., 02.09.23

05.30.23

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Thermal Ranch Specific Plan EIR
Air Quality and Greenhouse Gas Report
Conceptual Development Plan
Thermal, California

Exhibit

1-4

Source: MSA Consulting, Inc., 12.2023

05.15.24

Thermal Ranch Specific Plan EIR
Air Quality and Greenhouse Gas Report
Middleton Reservoir Site
Thermal, California

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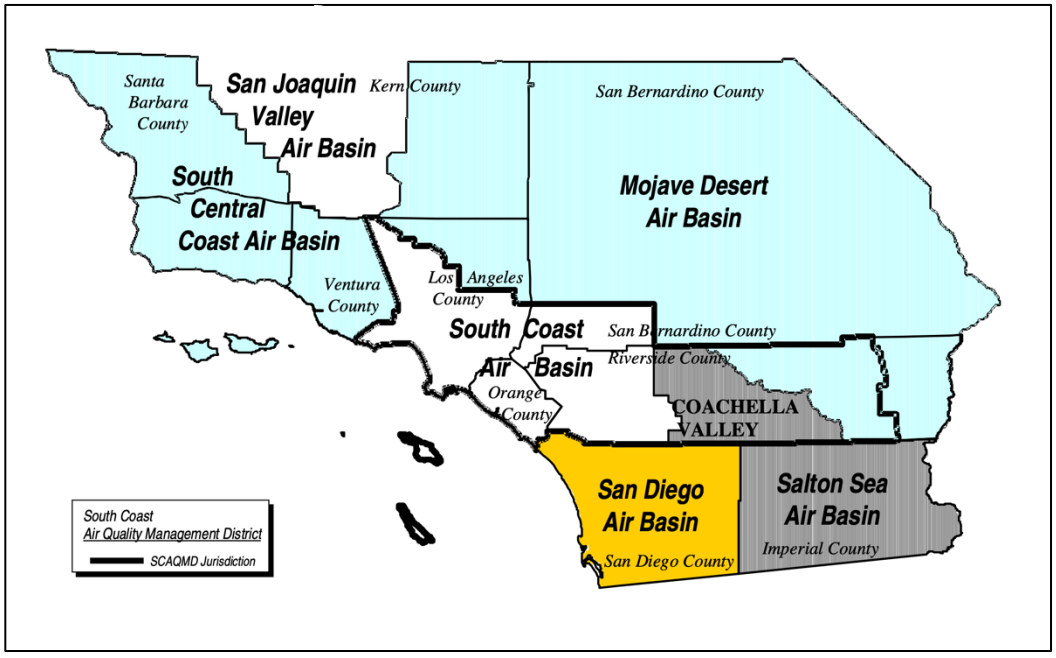
Exhibit 1-5

2 AIR QUALITY SETTING

2.1 Atmospheric Setting

The Project site is within the Riverside County portion of the Salton Sea Air Basin (referred to as Coachella Valley Planning Area or Coachella Valley), under the jurisdiction of the South Coast Air Quality Management District (SCAQMD). The SCAQMD encompasses portions of Los Angeles, Orange, Riverside, and San Bernardino counties.

Figure 2-1: Boundaries of the South Coast Air Quality Management District



Source: South Coast Air Quality Management District, Draft Final 2022 AQMP

Figure 2-1 shows the location of the Coachella Valley within the boundaries of the Salton Sea Air Basin and the SCAQMD jurisdiction. The Coachella Valley Planning Area covers approximately 2,500 square miles. The area is bound by the San Jacinto and Santa Rosa Mountains to the west, the Little San Bernardino Mountains to the east, and spans from the San Gorgonio Pass in the north to the Salton Sea in the south. Elevations range from approximately 500 feet above sea level in the northern portion of the valley to above 150 feet below sea level near the Salton Sea.[1]

The Coachella Valley has a desert climate with hot summers, mild winters, and very little precipitation. For four months each year, average temperatures are above 100 degrees Fahrenheit, and daily highs of approximately 110 degrees Fahrenheit in July and August. There is typically less than six inches of precipitation annually, most of which occurs in winter months or from late summer thunderstorms.[2]

[1] Final 2003 Coachella Valley PM10 State Implementation Plan.
[2] Final 2002 Coachella Valley PM10 State Implementation Plan, p. 1-4.

The area is subject to frequent gusty winds. Wind conditions vary across the geography of the Valley, with the strongest and most consistent winds in the portion of the area closest to the San Gorgonio Pass. Otherwise, stronger winds tend to occur in the middle of the Valley, with lighter winds in areas closer to the foothills. Strong winds can generate PM_{10} in the Coachella Valley, both through the natural distribution of blowsand, and by blowing sand and dust produced by human activity. Blowsand is a natural sand migration process, but when blown onto roadways can be further ground by moving vehicles and redistributed as fine particles.[3] Strong winds can sweep up, suspend and transport large quantities of sand and dust, reducing visibility, and producing potentially significant health risks.

Wind also contributes to ozone levels in the Coachella Valley. While some ozone is formed in the Valley, the majority is formed photochemically from precursor chemicals emitted upwind in the western South Coast Air Basin and blown inland by the prevailing sea breeze. Concentrations of ozone are worst in the late spring and summer months when the heat increases the rate of reactions that form ozone and accelerates the evaporation of precursor chemicals.[4]

[3] Ibid.

[4] Coachella Valley Extreme Area Plan for 1997 8-Hour Ozone Standard.

2.2 Criteria Pollutants

Criteria air pollutants are air pollutants for which acceptable levels of exposure have been determined and are regulated by Ambient Air Quality Standards (AAQS). The AAQS were established through the federal Clean Air Act (first enacted in 1963) and the California Clean Air Act (1988). The current criteria air pollutants are: ozone (O_3), carbon monoxide (CO), particulate matter (PM_{10}), fine particulate matter ($PM_{2.5}$), nitrogen dioxide (NO_2), lead (Pb), sulfur dioxide (SO_2), and hydrogen sulfide (H_2S).

Air pollution contributes to a wide variety of health impacts, including heart and lung illnesses, chronic health conditions, increased cancer rates, and premature death. For example, $PM_{2.5}$ pollution is linked with hundreds of emergency room visits for respiratory and cardiovascular disease annually, as well as brain health and adverse birth outcomes. Elevated ozone levels in California are also associated with hospitalizations, lost school days, and premature death.[5] These health impacts disproportionately impact residents of low-income and disadvantaged communities.

Table 2-1 below outlines the primary human-caused emissions sources of criteria pollutants, as well as the effects of these pollutants on human health.

Table 2-1
Criteria Pollutants and Health Impacts

Criteria Pollutant	Source	Health Effects
Ozone (O_3)	A secondary pollutant resulting from hydrocarbons and oxides of nitrogen, emitted by cars, solvents, factories and pesticides, reacting in the presence of sunlight.	Difficulty breathing, chest pains, aggravation of lung diseases such as asthma, emphysema, and chronic bronchitis. Shortness of breath, coughing, and lung damage with prolonged and chronic exposure.
Carbon Monoxide (CO)	Fossil fuel combustion by vehicles, as well as household sources such as some appliances, fireplaces, portable generators, charcoal grills.	Headaches, dizziness, vomiting, and nausea. Risk of loss of unconsciousness or death.
Particulate Matter (PM_{10}) and Fine Particulate Matter ($PM_{2.5}$)	Fugitive dust from construction projects and vehicles on unpaved roads. Industrial smokestacks and wildfires. Atmospheric formation from SO_2 and NO_x.	Coughs, asthma, cancer, lung damage, heart attacks, and premature death.

[5] California Air Resources Board Proposed 2022 State SIP Strategy (August 2022).

Table 2-1 Criteria Pollutants and Health Impacts		
Criteria Pollutant	**Source**	**Health Effects**
Nitrogen Dioxide (NO_2)	Fossil fuel combustion by vehicles, off road equipment, power generation, and household appliances such as furnaces, clothes dryers, ovens, fireplaces.	Lung damage and irritation.
Lead (Pb)	Lead smelters, ore and metals processing, combustion of leaded aviation fuel, waste incinerators, utilities, and lead-acid battery manufacturing facilities.	Damage to nervous system, kidney function, immune system, reproductive and developmental systems, and cardiovascular systems.
Sulfur Dioxide (SO_2)	Combustion of fossil fuels by power plants and industries, refineries, and diesel engines.	Irritates the nose, throat, and airways. Coughing, shortness of breath, tightness of chest. Individuals with asthma at high risk for developing issues.
Hydrogen Sulfide (H_2S)	Geothermal power plants, petroleum production, sewer gas.	Rotten egg smell, headache, skin complications, respiratory damage.
Sources: CARB 2022 Scoping Plan Update, Environmental and Regulatory Setting, Table 3; SCAQMD Final 2022 Air Quality Management Plan, Appendix 1: Health Effects (November 2022).		

2.2.1 Toxic Air Contaminants

According to §39655 of the California Health and Safety Code, a toxic air contaminant (TAC) is "an air pollutant which may cause or contribute to an increase in mortality or in serious illness, or which may pose a present or potential hazard to human health." The Health and Safety Code definition of TACs also covers substances listed as hazardous air pollutants pursuant to §7412 of Title 42 of the United States Code. TACs are identified and controlled by the California Air Resources Board (CARB) in conjunction with the Office of Environmental Health Hazard Assessment (OEHHA). As an exception, TACs used in pesticides are regulated by the Department of Pesticide Regulation.

Notable TACs include asbestos, benzene, chloroform, as well as inorganic lead and arsenic. The particulate matter emitted by diesel-fueled engines is also identified by CARB as a TAC.[6] To reduce exposure to TACs, CARB recommends minimum separation distances between new

[6] California Air Resources Board, Toxic Air Contaminant Identification Reports https://ww2.arb.ca.gov/resources/documents/toxic-air-contaminant-identification-reports (accessed May 2024).

sensitive land uses, such as residences, and eight categories of existing sources: high-traffic freeways and roads, distribution centers, rail yards, ports, refineries, chrome plating facilities, perchloroethylene dry cleaners, and large gas stations.[7] The proposed Project neither proposes any such facilities, nor is it situated in proximity to any such facility.

2.3 Current Conditions

The National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS) establish thresholds to determine whether the contaminant levels in the air are considered unhealthy. The current federal and state standards are shown in **Table 2-2**:

Table 2-2
Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards	National Standards	
		Concentrations[1]	Primary	Secondary
Ozone (O_3)	1 Hour	0.09 ppm	--	
	8 Hour	0.070 ppm	0.070 ppm	
Particulate Matter (PM_{10})	24 Hour	50 µg/m^3	150 µg/m^3	
	AAM[2]	20 µg/m^3	--	
Fine Particulate Matter ($PM_{2.5}$)	24 Hour	--	35 µg/m^3	
	AAM	12 µg/m^3	9.0 µg/m^3	15 µg/m^3
Carbon Monoxide	1 Hour	20 ppm	35 ppm	--
	8 Hour	9.0 ppm	9 ppm	--
Nitrogen Dioxide (NO_2)	1 Hour	0.18 ppm	100 ppb	--
	AAM	0.030 ppm	53 ppb	
Sulfur Dioxide (SO_2)	1 Hour	0.25 ppm	75 ppb	--
	3 Hour	--	--	0.5 ppm
	24 Hour	0.04 ppm	0.14 ppm	--
	AAM	--	0.030 ppm	--
Lead	30 Day Average	1.5 µg/m^3	--	--
	Calendar Quarter	--	1.5 µg/m^3	
	Rolling 3-Month Average	--	0.15 µg/m^3	
Visibility Reducing Particles	8 Hour	--	No National Standards	
Sulfates	24 Hour	25 µg/m^3		
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m^3)		
Vinyl Chloride	24 Hour	0.01 ppm (26 µg/m^3)		

[1] µg/m^3 = micrograms per cubic meter of air
[2] AAM = Annual Arithmetic Mean
Source: California Air Resources Board, Ambient Air Quality Standards (May 2016) https://ww2.arb.ca.gov/sites/default/files/2020-07/aaqs2.pdf (accessed June 2023).

[7] CalEPA and CARB, Air Quality and Land Use Handbook: A Community Health Perspective (April 2005).

The air quality of an area is in attainment if the measure ambient air pollutant levels, for the pollutants in the above table, are not exceeded and all other standards are not exceeded at any time in any consecutive three-year period. Attainment also assumes the national standards (other than O_3, PM_{10}, and those based on annual averages or arithmetic mean) are not exceeded more than once per year. The ozone standard is in attainment when the fourth highest 8-hour concentration in a year, averaged over three years, is equal to or less than the standard. For PM_{10}, the 24-hour standard is attained when 99% of the daily concentrations, averaged over three years, are equal to or less than the standard.

Pursuant to the Federal Clean Air Act, areas that do not meet these standards must prepare State Implementation Plans (SIPs) establishing strategies and deadlines for attainment of the NAAQS and CAAQS. Additionally, air quality districts with non-attainment areas under their jurisdiction must prepare attainment plans providing steps for the implementation, maintenance, and enforcement of the air quality standard within the required timeframe.

2.3.1 Regional Air Quality – Air Basin

The Project is located in the Coachella Valley Planning Area within the Salton Sea Air Basin (SSAB). The SSAB is under the jurisdiction of the South Coast Air Quality Management District (SCAQMD) and the Imperial County Air Pollution Control District (ICAPCO).

Table 2-3 shows the Coachella Valley's attainment status for the criteria air pollutants, as designated by the EPA. The Coachella Valley is designated as being in nonattainment for regional levels of particulate matter (PM_{10}) and ozone (O_3).

Table 2-3
Regional Attainment Status – Coachella Valley

Criteria Pollutant	Attainment Status
Ozone (O_3)	Nonattainment (Extreme)
Carbon Monoxide (CO)	Attainment
Fine Particulate Matter ($PM_{2.5}$)	Attainment
Particulate Matter (PM_{10})	Nonattainment (Serious)
Nitrogen Dioxide (NO_2)	Attainment
Lead (Pb)	Attainment
Sulfur Dioxide (SO_2)	Attainment

Source: EPA Green Book (Updated July 31, 2024).

Ozone (O_3): Ozone is formed through the reaction of precursor chemicals reacting under sunlight. Given the dispersing nature of air pollutants, the Coachella Valley is subject to the aggregate impacts of densely populated neighboring jurisdictions in the South Coast Air Basin (SCAB). Nitrogen Oxides (NOx) and Volatile Organic Compounds (VOCs) emitted in the SCAB react and form ozone. These precursors, as well as ozone, are transported by wind to the Coachella Valley.

Ozone levels in the Coachella Valley are therefore primarily a result of emissions blown inland from the SCAB by the prevailing sea breeze, resulting in high concentrations in the San Fernando Valley, San Gabriel Valley, and Coachella Valleys.[8]

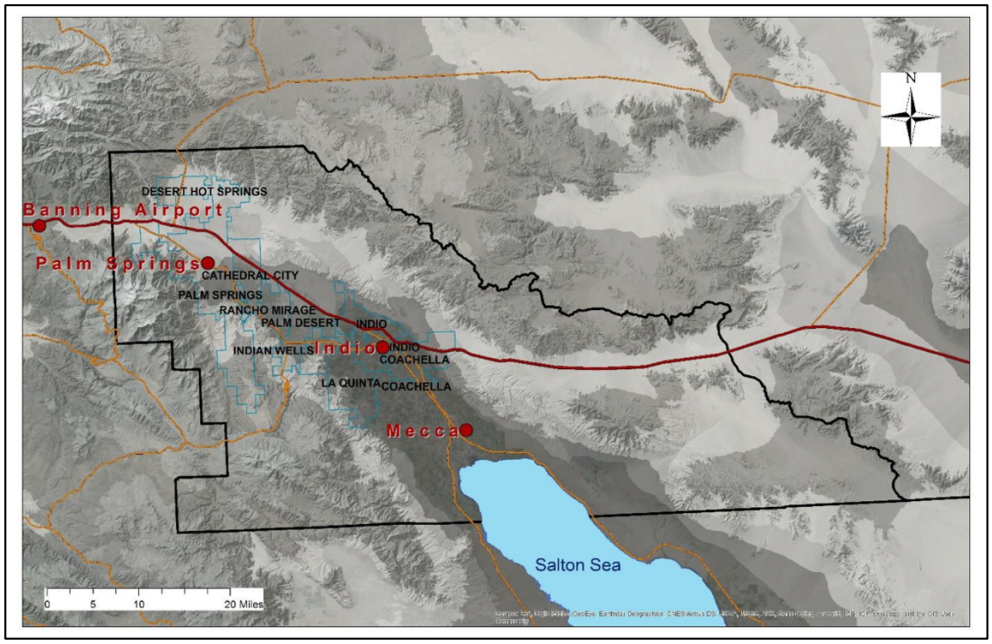
Particulate Matter (PM_{10}): PM_{10} is produced by fugitive dust generated by high winds. Fugitive dust in the Coachella Valley is primarily the result of local wind-blown sand and dust resulting from construction activities, re-entrained dust from vehicles on paved and un-paved roads, as well as natural sources such as blow sand.[9]

2.3.2 Local Air Quality – Source Receptor Area

Air quality is measured at monitoring stations operated by the air quality management district. The SCAQMD operates three air monitoring stations in Source Receptor Area (SRA) 30 (Coachella Valley): Indio, Palm Springs, and Mecca. The stations have been operational since 1985, 1987, and 2013, respectively.

Ozone is regularly measured at the Palm Springs and Indio monitoring stations. PM_{10} and $PM_{2.5}$ are measured at the Palm Springs, Indio, and Mecca stations. The Indio and Mecca stations are the nearest to the Project, located approximately 7.8 miles north and 5.75 miles southeast of the Project site, respectively.

Figure 2-2: SCAQMD Monitoring Stations in the Coachella Valley



Source: South Coast Air Quality Management District, Draft Final 2022 AQMP

[8] South Coast Air Quality Management District, Draft Final 2022 Air Quality Management Plan, Desert Nonattainment Areas SIP.

[9] South Coast Air Quality Management District, Draft Final 2022 Air Quality Management Plan, Desert Nonattainment Areas SIP.

The following tables show the maximum concentration and number of days annually that ambient air quality measured at Coachella Valley monitoring stations exceeded state and national standards for ozone and particulate matter (PM_{10}) from 2016 to 2023.

Table 2-4 shows the ozone monitoring data for the Palm Springs and Indio monitoring stations. Palm Springs consistently had more days per year exceeding the state and federal standards for ozone.

Table 2-4
Ozone Monitoring Data

Monitoring Station	Year	Maximum Concentration		Number of Days Standard Exceeded		
				Federal	State	
		1 Hour ppm	8 Hour ppm[1]	8 Hour[2]	1 Hour	8 Hour
Palm Springs	2016	0.103	0.092	46	6	48
	2017	0.113	0.097	57	18	63
	2018	0.111	0.099	56	11	58
	2019	0.100	0.084	34	5	39
	2020	0.119	0.094	49	9	53
	2021	0.110	0.092	35	10	38
	2022	0.106	0.089	39	7	43
	2023	0.116	0.093	38	8	39
Indio	2016	0.099	0.089	27	3	29
	2017	0.107	0.093	44	8	47
	2018	0.106	0.091	49	4	52
	2019	0.103	0.087	43	4	47
	2020	0.097	0.084	42	2	44
	2021	0.099	0.078	18	2	24
	2022	0.072	0.069	0	0	0
	2023	0.081	0.072	1	0	1

Source: iAdam: Air Quality Data Statistics, California Air Resources Board; www.arb.ca.gov/adam (accessed August 2024).
[1] 8-Hour Average National 0.07 ppm Standard Maximum
[2] Days Exceeding National 0.070 ppm Standard

Table 2-5 shows the PM_{10} data for the Palm Springs, Indio, and Mecca monitoring stations. All three stations had days over the eight-year period that exceeded the national and/or state standards. In the most recent year of data, the Palm Springs station did not exceed state or federal standards, while Indio and Mecca each exceeded one of the standards. The annual arithmetic mean federal standard of less than 50 µg/m^3 was not exceeded at any of the monitoring stations from 2016 to 2023.

Table 2-5
Particulate Matter 10 Monitoring Data

Monitoring Station	Year	Maximum Concentration (µg/m³/24 hours)		Number of Days Standard Exceeded		Annual Arithmetic Mean[3]
		Federal	State[2]	Federal	State	
Palm Springs	2016	447.2	113.1	1.1	*	23.1
	2017	105.6	60.5	0	*	22.1
	2018	442.3	37.4	2.0	0	22.9
	2019	75.6	51.8	0	6.0	20.7
	2020	129.8	40.8	*	*	23.2
	2021	35.2	34.5	0	0	18.4
	2022	159.5	156.3	*	*	21.1
	2023	173.6	170.1	*	*	23.1
Indio	2016	393.2	261.2	*	135.7	37.0
	2017	198.6	143.1	1.0	*	34.8
	2018	336.0	149.6	2.2	88.4	34.8
	2019	141.9	80.3	0	25.7	28.5
	2020	145.2	53.8	0	*	31.6
	2021	100.4	100.6	0	29.3	28.6
	2022	160.0	160.3	*	*	19.8
	2023	*	*	*	*	*
Mecca	2016	468.9	183.1	*	*	41.1
	2017	477.6	198.8	*	81.5	47.5
	2018	275.2	59.8	6.3	*	40.8
	2019	232.9	213.7	*	49.2	35.0
	2020	680.6	62.6	10.0	*	45.5
	2021	334.5	118.3	3.0	*	41.5
	2022	*	*	*	*	*
	2023	*	*	*	*	*

Source: iAdam: Air Quality Data Statistics, California Air Resources Board; www.arb.ca.gov/adam (accessed August 2024).
[1] Note: Federal maximum concentration is based on the highest *standard-conditions* 24-hour PM_{10} average observed within a year. State maximum concentration is based on the highest *local-condition* 24-hour PM_{10} average.
[2] * = There was insufficient (or no) data available to determine the value.
[3] Federal Annual Average Standard AAM exceeding 50 µg/m³

The primary contributor to air pollution in California is the burning of fossil fuels for transportation, power and heat generation, and industrial processes. Mobile sources such as heavy-duty trucks, airplanes, and construction equipment are similarly the primary contributors to air pollution in the SCAQMD.[10]

[10] South Coast Air Quality Management District, Draft Final 2022 Air Quality Management Plan.

Fine particulate matter and ozone, two of the pollutants that have the greatest potential public health impacts, are also emitted by fuel and wood combustion, as well as indirectly by chemical reactions resulting from motor vehicle and industrial activity.[11]

While there have been significant efforts to reduce the historically high levels of air pollution in the SCAQMD, levels of ozone and particulate matter remain elevated. Federal, state, and local policies aim to work on reducing air pollution by regulating air quality and the sources of pollution emissions. The following section describes relevant air quality policies and regulations.

2.4 Regulatory Background

Federal, state, and local policies aim to reduce air pollution by regulating air quality and the sources of pollution emissions. The following section describes relevant air quality policies and regulations.

2.4.1 Federal Regulations

Federal Clean Air Act (FCAA) - 42 U.S.C. §7401 et seq.
The Federal Clean Air Act, which was first enacted in 1970 and last amended in 1990, remains the federal government's primary air quality law regulating air emissions from stationary and mobile sources. There are several regulatory programs bought about by FCAA amendments, including National Ambient Air Quality Standards (NAAQS), National Emissions Standards for Hazardous Air Pollutants (NESHAPs), New Source Performance Standards (NSPS), the Acid Rain Program (APP), and the CAA ozone program consistent with the Montreal Protocol. Notably, the FCAA gives the Environmental Protection Agency (EPA) that authority to establish the National Air Quality Standards.

National Ambient Air Quality Standards (NAAQS)
The FCAA authorizes the EPA to establish National Ambient Air Quality Standards (40 CFR Part 50) for six criteria air pollutants which are potentially harmful to the public and to the environment. The NAAQS define what qualifies as clean air by identifying the maximum amount of a pollutant, averaged over a specified timeframe, that can be present without harming public health.[12] The EPA reviews the NAAQS at five-year intervals, and makes revisions as needed. The six criteria air pollutants currently covered by the NAAQS are: particulate matter (PM_{10} and $PM_{2.5}$), ozone (O_3), nitrogen oxides (NO_X), sulfur oxides (SO_X), carbon monoxide (CO), and lead. Under the FCAA, nonattainment areas (areas that exceed that maximum standard for one or more of the criteria pollutants) must prepare State Implementation Plans (SIPs) describing the actions the area will take to meet the NAAQS by the applicable attainment deadlines.

[11] California Air Resources Board, Sources of Air Pollution, https://ww2.arb.ca.gov/resources/sources-air-pollution (Accessed November 2022).

[12] California Air Resources Board, National Ambient Air Quality Standards https://ww2.arb.ca.gov/resources/national-ambient-air-quality-standards (Accessed June 2023).

2.4.2 State Regulations

California Clean Air Act
The California Clean Air Act (CCAA) was passed into law in 1988, establishing ambient air quality standards for the State of California that exceed NAAQS, as well as accelerated attainment dates for criteria pollutants established in the FCAA. The CCAA establishes requirements for district air quality plans to ensure that the state standards for criteria pollutants are met.

Title 24 Energy Efficiency Standards & California Green Building Standards
Title 24 of the California Code of Regulations was established in 1978 and serves to enhance and regulate California's building standards. The Building Energy Efficiency Standards, Parts 6 and 11 of Title 24, are updated by the California Energy Commission (CEC) every three years. *The 2022 Energy Code (Part 6), effective as of January 1, 2023,* includes regulations encouraging efficient electric heat pumps, establishing electric-ready requirements for appliances and mechanical systems in new homes, strengthening ventilation standards, as well as expanding solar photovoltaic and battery storage standards. The 2022 update to Part 11, the California Green Building Standards Code (CALGreen), includes mandatory minimum environmental performance standards for all new construction of commercial, residential, and State-owned buildings, as well as schools and hospitals.

CALGreen Section 4.106 requires that all new single family and multifamily dwellings, as well as hotels, are built with EV Capable parking spaces. One and two-family dwellings must include one EV capable space per dwelling unit, and multifamily buildings and hotels must build a proportion of all provided parking to be either EV Capable or EV Ready.[13] In accordance with Section 5.106, all new non-residential developments must provide both a portion of parking spaces are that EV Capable, as well as a portion of spaces with EV charging stations.

2.4.3 Local Regulations

Riverside County General Plan
The County General Plan includes an Air Quality Element which sets forth policies promoting pollution control. The following policies from the Air Quality Element are relevant to the proposed Project:

Sensitive Receptors Policies

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.

[13] EV Capable refers to parking spaces which have electrical panel capacity, a dedicated branch circuit, and a raceway to support future installation of a charging station. EV Ready refers to the same conditions as EV Capable, with the addition of other electrical components as well as a receptable or blank cover to support future installation of a charging station.

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.

Mobile Pollution Policies

AQ 3.2 Seek new cooperative relationships between employers and employees to reduce vehicle miles traveled.

Stationary Pollution Policies

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 4.3 Require centrally heated facilities to utilize automated time clocks or occupant sensors to control heating where feasible.

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 4.5 Require stationary pollution sources to minimize the release of toxic pollutants through:

- Design features;
- Operating procedures;
- Preventive maintenance;
- Operator training; and
- Emergency response planning

AQ 4.6 Require stationary air pollution sources to comply with applicable air district rules and control measures.

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, SCAB, the Environmental Protection Agency and the California Air Resources Board.

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.

Energy Efficiency and Conservation Policies

AQ 5.1 Utilize source reduction, recycling and other appropriate measures to reduce the amount of solid waste disposed of in landfills.

Jobs-to-Housing Ratio Policies

AQ 8.1 Locate new public facilities in job-poor areas of the county.

AQ 8.2 Emphasize job creation and reductions in vehicle miles traveled in job-poor areas to improve air quality over other less efficient methods.

AQ 8.3 Time and locate public facilities and services so that they further enhance job creation opportunities.

AQ 8.4 Support new mixed-use land use patterns and community centers which encourage community self-sufficiency and containment, and discourage automobile dependency.

AQ 8.5 Develop community centers in conformance with policies contained in the Land Use Element.

AQ 8.6 Encourage employment centers in close proximity to residential uses.

AQ 8.7 Implement zoning code provisions which encourage community centers, telecommuting and home-based businesses.

AQ 8.8 Promote land use patterns which reduce the number and length of motor vehicle trips.

AQ 8.9 Promote land use patterns that promote alternative modes of travel.

Control Measures

AQ 17.1 Reduce particulate matter from agriculture, construction, demolition, debris hauling, street cleaning, utility maintenance, railroad rights-of-way, and off-road vehicles to the extent possible.

AQ 17.3 Identify and create a control plan for areas within the County prone to wind erosion of soil.

AQ 17.4 Adopt incentives, regulations and/or procedures to manage paved and unpaved roads and parking lots so they produce the minimum practicable level of particulates.

AQ 17.11 Create and implement street-sweeping plans, as appropriate, in areas of the County disproportionately affected by particulate matter pollution.

2.4.4 Air Quality Management Planning

CARB

The California Air Resources Board (CARB) is part of the California Environmental Protection Agency and is responsible for preparation the SIP for submission to the EPA, as well as for overseeing air quality districts and approving district air quality plans. Established in 1967, the CARB regulates vehicle emissions standards and sets area designation for criteria pollutants.

South Coast Air Quality Management District (SCAQMD)

The California Air Resources Board is responsible for regulating mobile emissions sources, while quality management districts, such as SCAQMD, are responsible for controlling stationary sources and enforcing regulations. The SCAQMD is responsible for preparing the local portion of the State Implementation Plan, through which it is the primary authority for regulating stationary emissions sources.

The SCAQMD jurisdiction covers approximately 10,743 square miles including the South Coast Air Basin as well as the Riverside County portions of the Salton Sea Air Basin (SSAB) and Mojave Desert Air Basin (MDAB). The Coachella Valley Planning Area is within the Riverside County portion of the SSAB.

In accordance with the federal Clean Air Act, areas that do not attain the NAAQS are required to develop and implement plans to attain healthy air quality in reasonable timeframe. Likewise, areas that do not attain the CAAQS are required to apply and enforce measures in order to meet the State standard by the earliest practicable date. Areas under the SCAQMD have historically been nonattainment areas for particulate matter (PM_{10}) as well as ozone (O_3). The SCAQMD regulates air quality through air quality management plans (AQMPs) as well as the adoption of rules targeting specific sources of emissions.

Final 2022 Air Quality Management Plan: The SCAQMD has developed six air quality management plans (AQMPs) since the 1990s. The District's 2022 AQMP focuses on implementing provisions to bring the Coachella Valley Planning Area in compliance with the federal 8-hour ozone standard by August 3, 2033.

Final 2003 Coachella Valley PM10 State Implementation Plan: The 2003 Coachella Valley PM_{10} State Implementation Plan (CVSIP) builds on the 2002 CVSIP which provided a comprehensive strategy to meet the NAAQS for PM_{10} by 2006. The 2003 CVSIP update is based on updated motor vehicle emissions modeling and assumptions from CARB, and thus includes updated emissions inventories, mobile source budgets and attainment demonstration.

Draft Coachella Valley Extreme Area Plan for 2008 8-Hour Ozone Standard (July 2024): The Coachella Valley was reclassified from "severe" to "extreme" nonattainment effective April 7, 2023 with a new attainment date of July 20, 2032. The Coachella Valley Attainment Plan for the 2008 8-Hour Ozone Standard was developed to address the "extreme" nonattainment area requirements.

The SCAQMD has also established construction and operation thresholds for criteria air pollutants, as shown in **Table 2-6**. If exceeded, these thresholds indicate that a project has significant impacts to air quality:

Table 2-6
SCAQMD Air Quality Mass Daily Thresholds

Criteria Pollutant	Daily Thresholds (pounds)	
	Construction	Operation
Oxides of Nitrogen (NO_x)	100	55
Reactive Organic Gases (ROG)	75	55
Particulate Matter (PM_{10})	150	150
Particulate Matter ($PM_{2.5}$)	55	55

Oxides of Sulfur (SO_x)	150	150
Carbon Monoxide (CO)	550	550
Lead (Pb)	3	3
Source: South Coast AQMD Air Quality Significance Thresholds (March 2023).		

Assembly Bill 617 (AB 617)

AB 617 was signed into law in July 2017 and aims to address the disproportionate impacts of air pollution of environmental justice communities. CARB designated the Eastern Coachella Valley (ECV) as an AB 617 community in 2019. As a result, SCAQMD was required to develop and implement a Community Emissions Reduction Plan (CERP) and Community Air Monitoring Plan (CAMP) in collaboration with the Community Steering Committee (CSC). The CSC is comprised of a diverse group of people who live, work, and/or study in the ECV. The Eastern Coachella Valley CERP (July 2021) identifies the following air quality priorities: the Salton Sea, pesticides, open burning and illegal dumping, fugitive road dust and off-roading, diesel mobile sources, and the Greenleaf Desert View Power Plant. The CERP establishes monitoring and enforcement measures that SCAQMD and CARB will undertake in order to reduce air pollution from the identified sources.

2.4.3.1 Air Basin Regulations

The SCAQMD has adopted rules and regulations to improve and maintain air quality in the district. The rules and regulations also implement state and federal policies, such as the Clean Air Act. The current SCAQMD rule book contains 28 regulations and associated rules. Excerpts of applicable regulations to the Project are listed below. The complete list and full text of the current rule book is available on the SCAQMD website.[14]

Regulation II – Permits

> **Rule 201**: Permits to Construct: *A person shall not build, erect, install, alter or replace any equipment or agricultural permit unit, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce or control the issuance of air contaminants without first obtaining written authorization for such construction from the Executive Officer. A permit to construct shall remain in effect until the permit to operate the equipment or agricultural permit unit for which the application was filed is granted or denied, or the application is canceled.*

Regulation IV – Prohibitions

> **Rule 402**: Nuisance: *A person shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.*

[14] South Coast AQMD Rule Book, http://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book (accessed June 2023).

Rule 403: Fugitive Dust Control: *The purpose of this rule is to reduce the amount of particulate matter entrained in the ambient air as a result of anthropogenic (man-made) fugitive dust sources by requiring actions to prevent, reduce or mitigate fugitive dust emissions*

Rule 404: Particulate Matter Concentration: *A person shall not discharge into the atmosphere from any source, particulate matter except liquid sulfur compounds, in excess of the concentration at standard conditions, shown in Table 404(a). Where the volume discharged is between figures listed in the table, the exact concentration permitted to be discharged shall be determined by linear interpolation.*

Regulation XI – Source Specific Standards

Rule 1113: Architectural Coatings: *This rule is applicable to any person who supplies, sells, markets, offers for sale, or manufactures any architectural coating that is intended to be field applied within the District to stationary structures or their appurtenances, and to fields and lawns; as well as any person who applies, stores at a worksite, or solicits the application of any architectural coating within the District. The purpose of this rule is to limit the VOC content of architectural coatings used in the District.*

Regulation XIII – New Source Review

Rule 1300: New Source Review General: *This regulation sets forth pre-construction review requirements for new, modified, or relocated facilities, to ensure that the operation of such facilities does not interfere with progress in attainment of the national ambient air quality standards, and that future economic growth within the South Coast Air Quality Management District (District) is not unnecessarily restricted. The specific air quality goal of this regulation is to achieve no net increases from new or modified permitted sources of nonattainment air contaminants or their precursors.*

3 PROJECT AIR QUALITY IMPACT

3.1 Introduction

The following section analyses the potential impacts associated with buildout of the proposed Project in conformance with the California Environmental Quality Act (CEQA).

3.2 Standards of Significance

The following thresholds are from the significance criteria listed in the CEQA Environmental Checklist included in Appendix G of the CEQA Guidelines. The Project would have a significant effect on air quality if the proposed Project were to:

a) Conflict with or obstruct implementation of the applicable air quality plan?

b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?

c) Expose sensitive receptors to substantial pollutant concentrations?

d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

3.3 Methodology

The Project proposes the development of the 619.1±-acre site to include a mix of uses centered around a 223.1±-acre equestrian center. Supporting residential uses will include up to 132 units of estate residential, up to 390 units of attached and detached single family homes, up to 500 units of workforce housing and 320 RV spaces. Additionally, a resort tourism portion of the site will include up to 340 resort condos, a 150-key hotel, and 50,000 square feet of resort retail. Up to an additional 150,000 square feet of local-serving retail will also be provided.

The Project will also require construction of an off-site water reservoir at the CVWD Middleton Reservoir site. The proposed 5-million-gallon (mg) reservoir would be constructed next to the existing 2.5 mg on the Middleton Reservoir site. It is assumed that construction of the reservoir will begin concurrently with Project construction.

The Project will emit criteria air pollutants during both the construction and the operational phases. Construction and operational emissions were projected using California Emissions Estimator Model (CalEEMod) Version 2022.1. CalEEMod is a Statewide land use emission computer model developed for the California Air Pollution Officers Association (CAPCOA) in collaboration with the California Air Districts, including the SCAQMD, that provides a uniform platform to quantify potential criteria pollutant and greenhouse emissions associated with construction and operation of land development projects. CalEEMod utilizes widely accepted

methodologies for estimating emissions from several sources, including studies commissioned by the California Energy Commission (CEC). CalEEMod Version 2022.1 analyzes operational emissions from natural gas and electricity usage for residential and non-residential uses, and models Title 24 energy conservation standards applicable to all residential and non- residential buildings throughout California. For electricity, Title 24 uses include the major building envelope systems covered by Part 6 (California Energy Code) of Title 24 such as space heating, space cooling, water heating, and ventilation. For natural gas, Title 24 uses include building heating and hot water end uses. CalEEMod calculates criteria air pollutants, including CO, PM_{10}, $PM_{2.5}$, and the ozone precursors ROG and NO_x. CalEEMod output tables are provided in **Appendix A** of this report.

Land use parameters and traffic trip information used for analysis purposes was based on data provided in the Traffic Impact Analysis (TIA) prepared for the Project by Urban Crossroads, Inc.[15] Due to limitations in the land use options available in CalEEMod, not all uses proposed by the Project had corresponding categories in the model. Where the land use as proposed in the Specific Plan was not available, a similar use was used in its place, and trip rates and other inputs were adjusted as needed. **Table 3-1** compares the proposed land uses with the land use parameters inputted to CalEEMod. For the purpose of analysis, where the proposed land use was replaced with a similar CalEEMod category, adjustments were made in the model to represent the intended use more accurately. For example, where Mobile Home Park was used in place of the proposed workforce housing and RV park, trip rates were adjusted per the Project-specific TIA. Likewise, trip rates were also adjusted for the Strip Mall land use in order to better represent the proposed specialty retail for the equestrian center. As described in greater detail in the TIA, these trip rates account for the internal capture of trips from interactions between Project Planning Areas at full buildout. According to the Traffic Impact Analysis, the Project would generate 18,939 weekday trips, 21,523 Saturday trips, and 13,995 Sunday trips at full buildout.

The Unrefrigerated Warehouse land use in CalEEMod was used to represent the proposed equestrian center barns. The corresponding trip rates were adjusted based on traffic count data collected at the existing Desert International Horse Show facility, as provided in the Project-specific TIA. Operational energy use was also adjusted to account for no natural gas connections in the barns or in the RV park.

It is also assumed that the Project will comply with the Title 24 requirements for the provision of photovoltaic systems on new single and multifamily residential buildings and on most new commercial buildings, and that as required by the Riverside County CAP Update, it will generate on-site renewable energy providing for at least of at least 20 percent of energy demand for commercial, office, industrial, and multi-family development, and at least 30 percent of energy demand for single-family residential development.

[15] Thermal Ranch Specific Plan Traffic Analysis, prepared by Urban Crossroads, Inc. (July 2023), Section 4.1.

Table 3-1
CalEEMod Land Use Assumptions

Planning Area	Land Use (Proposed)	Land Use (CalEEMod)	Acres	Dwelling Units	Commercial SF	Other	Weekday Trip Rate[1]	Saturday Trip Rate[1]	Sunday Trip Rate[1]
1	Equestrian Center (barns)	Unrefrigerated Warehouse – No Rail	182.43	--	--	597,800 SF	0.7	1.24	1.25
	Equestrian Center (commercial)	Strip Mall	1.72	--	75,000	--	35.97	41.45	24.79
	Equestrian Center (office)	General Office Building	0.23	--	--	10,000 SF	10.84	2.21	0.70
2	Estate Residential	Single Family Housing	263.80	522	--	--	7.47	8.09	5.00
3	Single Family Attached/Detached								
4a	Workforce Housing	Mobile Home Park	18.30	500	--	158,530 SF	1.94	2.58	1.94
4b	Equestrian RV Park	Mobile Home Park	22.80		--	320 spaces	1.94	2.95	1.94
5	Resort Condos	Condo/Townhouse High Rise	42.10	340	--	--	6.74	7.69	4.09
	Hotel	Hotel	8.10	--	--	150 rooms	12.23	14.38	10.51
	Resort Retail	Regional Shopping Center	25.60	--	200,000	--	30.49	32.11	21.10
6	Commercial Retail								
Project-wide	Perimeter ROW	Other Asphalt Surfaces	15.30	--	--	--	0.00	0.00	0.00
	--	Parking Lot	38.72	--	--	4,302 spaces	0.00	0.00	0.00
Off-Site Water Reservoir		User Defined Industrial	13.6	--	--	20,867 SF	0.00	0.00	0.00
		Totals:	632.7	1,362	275,000	--	18,939 total trips	21,523 total trips	13,995 total trips

[1] Trip rates are based on the Thermal Ranch Specific Plan Traffic Analysis, prepared by Urban Crossroads, Inc. (July 2023), Section 4.1. The trip rates input to CalEEMod account reductions from internal capture of trips between Project planning areas.

3.4 Construction Emissions

Construction of the proposed Project and off-site water tank at the CVWD Middleton Reservoir site would both generate criteria pollutant emissions.

The Project will be built out in phases over several years. For the purpose of analysis, it is conservatively assumed that the Project will be built out over a seven-year period, beginning in 2026 and concluding in 2032, consistent with the operational year analyzed in the Project-specific Traffic Impact Analysis (July 2023). The follow construction phasing was entered into CalEEMod:

- Demolition: 1/1/2026 to 2/11/2026, 30 days
- Site Preparation: 2/12/2026 to 3/1/2027, 273 days
- Grading: 6/1/2026 to 6/30/2027, 283 days
- Building Construction: 7/1/2027 to 12/1/2032, 1,415 days
- Paving: 7/1/2027 to 12/1/2032, 1,415 days
- Architectural Coating: 7/1/2028 to 12/1/2032, 1,153 days

This construction schedule is conservative and likely overstates the concentration of criteria pollutants that would be emitted on a daily basis because it compresses the expected construction activities into a shorter timeframe, resulting in more construction activity and resulting emissions per day. Based on market conditions, it is likely that actual buildout would occur over ten or more years, thus resulting in lower daily emissions stretched over a longer period.

The construction phase would include demolition of the existing agricultural sheds and structures (approximately 55,000 square feet of structures), site preparation, excavation and grading, paving, building construction, and application of architectural coatings. Worker and vendor trips would be required throughout the construction phase. For analysis purposes, it is assumed that building construction, paving, and the application of architectural coatings will occur concurrently as multiple planning areas build out.

Construction of the water tank is expected to occur over a 12-month period. Construction would include grading, construction of the tank, and the application of architectural coatings. To accommodate the proposed 5 mg tank on the Middleton Reservoir site, the northly portion of the existing berm will be shifted approximately 35 feet further north. The new reservoir will be approximately 163.1 feet in diameter, and a portion of the tank is expected to be constructed sub-grade. Grading is expected to involve 11,900 cubic yards (CY) of earthwork, including 7,500 CY of cut, 4,400 CY of import, and 10,800 CY of fill.

The following construction mitigation measures were selected in CalEEMod:

- Limit heavy-duty diesel vehicle idling to less than 5 minutes at a single location (vehicles more than 10,000 lbs).
- Use oxidation catalysts on all construction equipment. The oxidation catalyst must achieve a minimum 15% reduction in NOx emissions.

- Dust suppressants shall be applied on all unpaved roads within the project construction footprint.
- Limit vehicle speeds on unpaved roads to 25 mph.
- Sweep paved roads used by construction vehicle traffic.
- Riverside County and SCAQMD will require future development projects implement standard dust control measures per SCAQMD Rule 403.1, which will further reduce emissions of PM_{10} and $PM_{2.5}$. CalEEMod assumes watering unpaved surfaces twice a day, and the emissions reduction is captured in the unmitigated outputs.

Table 3-2 shows that the emissions generated by construction of the Project and off-site water tank will not exceed the SCAQMD daily thresholds for any criteria air pollutants. The data in the below table represent maximum daily unmitigated and mitigated emissions over the seven-year construction period.

Table 3-2
Maximum Daily Construction-Related Emissions Summary (pounds per day)

Daily Maximum Emissions	CO	NO_x	ROG	SO_2	PM_{10}	$PM_{2.5}$
Unmitigated	165.0	56.8	28.2	0.13	27.0	7.67
Mitigated	165.0	48.4	28.2	0.13	27.0	7.67
SCAQMD Threshold	550	100	75	150	150	55
Exceeds?	No	No	No	No	No	No

3.5 Operational Emissions

Operational emissions refer to the ongoing emissions over the life of a project. They include area source emissions, emissions from energy demand (e.g., electricity and natural gas) and mobile source emissions (e.g. vehicle trips). According to the Traffic Impact Analysis (TIA) prepared by Urban Crossroads, the Project is expected to generate an average of 18,939 weekday trips, 21,523 Saturday trips, and 19,995 Sunday Trips.

Operation of the proposed 5 mg reservoir is not expected to generate new sources of criteria pollutant emissions. The only potential source of pollutant emissions associated with operation of the water tank would be those generated by the electricity use to pump water from the reservoir to the Project site. However, Project's operational emissions, as projected using CalEEMod, already account for pollutant emissions resulting from energy and water demand. Therefore, operation of the 5 mg tank will not generate any additional operational emissions beyond those already accounted for in the Project's operations, as shown in Table 3-3.

The following operational mitigation measures were selected in CalEEMod to reduce both criteria pollutant and greenhouse gas emissions:

- Provide electric vehicle charging infrastructure. This measure is required by Title 24.
- Provide bike parking. This measure is qualitative and emission reductions are not included in the mitigated emissions result.

- All commercial/industrial loading docks shall be electrified, and transport refrigeration units (TRUs) and auxiliary power units (APUs) shall be plugged into the electric dock instead of running on diesel.
- 2022 Title 24 building standards improve upon the 2019 Title 24 building envelop efficiency standards by an average of 10%.[16]
- Require energy efficient appliances in all new residential and commercial developments.
- Require all new development install solar, providing at least of at least 20% of energy demanded for commercial, office, industrial, and multi-family development, and at least 30% of energy demanded for single-family residential development (Riverside County CAP Measures R2-CE1).
- Public street and area lighting shall use high efficiency lighting, such as LED lighting.
- Design water-efficient landscapes. Assumes most residential and commercial landscaping will be drought tolerant landscaping with a low water demand requiring a drip system, with the exception of the equestrian center which will include large grass areas. This is a proposed design feature of the Project. Low-VOC cleaning supplies shall be used to the greatest extent possible.

As shown in **Table 3-3**, the Project-generated operational emissions will not exceed SCAQMD thresholds for SO_x, PM_{10}, or $PM_{2.5}$. However, daily emissions of criteria pollutants during Project operations will exceed the SCAQMD thresholds for carbon monoxide (CO), nitrogen oxides (NO_x), and reactive organic compounds (ROG).

Table 3-3
Maximum Daily Operational-Related Emissions Summary (pounds per day)

	CO	NO_x	ROG	SO_2	PM_{10}	$PM_{2.5}$
Daily Max. Unmitigated	761	87.1	145	1.76	149	40
Daily Max. Mitigated	760	82.6	141	1.75	149	39.9
SCAQMD Threshold	550	55	55	150	150	55
Exceeds?	Yes	Yes	Yes	No	No	No

3.6 Localized Significance

Sensitive receptors located within one mile of the Project site include residential properties on Tyler Street, east of the subject site, and the CVUSD school complex located approximately 2,890 feet south of the subject site. The potential for a project to generate significant localized air quality impacts adversely affecting sensitive receptors can be determined through the analysis of Localized Significance Thresholds (LST).

[16] The 2022 Energy Code will reduce net CO2 emissions by 142,858 metric tons per year compared to the 2019 Energy Code. This is a 20% increase from the 2019 title 24 energy savings of approximately 700,000 metric tons annually. For analysis purposes, a 10% efficiency improvement is assumed. Source: file:///Users/mac09/Downloads/FS.NR%20Bldgs.2022.pdf

The Project is not expected to generate substantial pollutant concentrations during construction, as evidenced by its attainment of the SCAQMD daily maximum construction related emissions thresholds, demonstrated in Table 3-2. According to SCAQMD, the analysis of LSTs designed for projects that are less than or equal to 5 acres.[17] Buildout of the Project will eventually involve disturbance of the entire 619.1±-acre site, over the course of at least seven years. However, while the total Project area greatly exceeds 5 acres, the area of daily disturbance (for purposes of LST analysis only)[18] would be limited to 5 acres or less per day at any given location on-site. Therefore, the Project's construction-related emissions will be analyzed using LSTs because the SCAQMD 5-acre look up table is appropriate under the District's methodology to screen for potential localized air quality impacts.[19]

Sensitive receptor land uses include, but are not limited to, schools, churches, residences, hospitals, day care facilities, and elderly care facilities. LST thresholds are provided for distances of 25, 50, 100, 200, and 500 meters from sensitive receptors. The nearest sensitive receptors to the subject site are the few existing residences located on Tyler Street, less than 25 meters from the eastern boundary of the Project site. The CVUSD high school/middle school/elementary school complex is also a sensitive receptor and is located at Avenue 66 and Tyler Street, more than 500 meters from the Project site. SCAQMD recommends that if projects have boundaries closer than 25 meters to the nearest sensitive receptor, then the LSTs for receptors located at 25 meters should be used. Given that the residences on Tyler are the closest sensitive receptor, and are within 25 meters of the subject site, the 25-meter distance was used for the purpose of LST analysis.

A separate modeling run in CalEEMod was conducted to determine the potential construction emissions resulting from buildout of Planning Area 3 (PA-3). PA-3 proposes the development of 390 detached and attached single family dwelling units on the east side of the subject site, adjacent to Tyler Street. Relative to the other proposed planning areas, it is the most intensive land use, and thus its construction would have the potential to generate the greatest air quality impacts. PA-3 is also the planning area in closest proximity to the existing residences on Tyler Street (and the only planning area located within 25 meters of these residences), and therefore its construction would have the greatest potential to impact existing sensitive receptors.

The proposed Project does not include major stationary polluters such as a landfill, chemical plant, or refinery, and therefore LST analysis was not conducted or required for the development's operations.[20] According to SCAQMD, the use of LSTs for project operations is voluntary, and is

[17] South Coast Air Quality Management District, Localized Significance Thresholds http://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook/localized-significance-thresholds (accessed May 2024).

[18] 5-acres is the largest area of disturbance available in the SCAQMD Mass Rate LST Look-Up Tables: http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/appendix-c-mass-rate-lst-look-up-tables.pdf?sfvrsn=2 (accessed May 2024).

[19] South Coast Air Quality Management District, Fact Sheet for Applying CalEEMod to Localized Significance Thresholds, http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/caleemod-guidance.pdf (accessed May 2024).

[20] South Coast Air Quality Management District, Fact Sheet for Applying CalEEMod to Localized Significance Thresholds, http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/caleemod-guidance.pdf (accessed May 2024).

most appropriate for industrial and other heavy uses that generate substantial pollutant concentrations. Operation of the proposed Project will not involve any substantial stationary sources, such as industrial or heavy agricultural uses, that might result in substantial pollutant concentrations. Therefore, operational emissions will not be further analyzed using LSTs.

The SCAQMD Mass Rate LST Look-up Tables were used to determine if the Project has the potential to determine if the Project would result in significant adverse localized air quality impacts during construction. The LST Look-Up Table for SRA 30 (Coachella Valley) was used to establish thresholds. Given that the residences on Tyler Street are approximately 50 feet (15.24 meters) from the boundary of the Project site, the shortest available receptor distance of 25 meters was used. As shown in **Table 3-4**, the SCAQMD LST thresholds are not expected to be exceeded for any criteria pollutant during the Project's construction.

Table 3-4
Localized Significance Thresholds (25 Meters, 5 Acres)
(lbs per day)

	CO	**NO_x**	**PM_{10}[2]**	**$PM_{2.5}$[2]**
Construction[1]	36.6	29.2	9.1	5.1
LST Threshold	2,292	304	14	8
Exceeds?	No	No	No	No

[1] Construction emissions based on special model run for Planning Area 3 only, assuming a maximum area of daily disturbance of 5 acres.
2 Assumes application of standard dust control measures required by the County and SCAQMD.

3.7 Air Quality Management Planning

The Project site is located within the Riverside County portion of the Salton Sea Air Basin, also known as the Coachella Valley planning area. The Coachella Valley is within the jurisdiction of the SCAQMD, which is responsible for monitoring criteria air pollutant concentrations and establishing management policies for the South Coast Air Basin as well as the Coachella Valley.

All development within the Coachella Valley, including the proposed Project, is subject to the provisions of the 2022 Air Quality Management Plan (2022 AQMP) as well as the 2003 Coachella Valley PM_{10} State Implementation Plan (2003 CV PM_{10} SIP). The 2022 AQMP describes the District's plan to achieve Federal and State air quality standards set forth in the Federal and State Clean Air Acts. The 2003 CV PM_{10} SIP was prepared by SCAQMD in conjunction with the Coachella Valley Association of Governments (CVAG), Riverside County and other local jurisdictions. The plan includes PM_{10} control program enhancements and requests an extension of the region's PM_{10} attainment date. The Coachella Valley is designated as a serious non-attainment area for PM_{10} and thus subject to the regulations in the 2003 SIP as well as the rules and regulations imposed by the SCAQMD, including Rule 403.1, which governs fugitive dust emissions from construction within the Coachella Valley.

Southern California Association of Governments 2024 RTP/SCS

SCAQMD works in conjunction with the Southern California Association of Governments (SCAG), county transportation commissions, and local governments. It also cooperates with all state and federal agencies. SCAG adopted the 2024 to 2050 Regional Transportation Plan / Sustainable Communities Strategy (2024 RTP/SCS) to comply with metropolitan planning organization (MPO) requirements under the Sustainable Communities and Climate Protection Act. The Growth Management chapter of the RTP/SCS forms the basis of land use and transportation controls of air quality plans. Projects that are consistent with the projections of population forecasts are considered consistent with the AQMP.

The Project proposes a substantial change in land use. There are currently no dwelling units or other types of urban development on the Project site and the site is currently zoned for Agriculture (A-2-10) and Controlled Development (W-2). Under the existing zoning, development of four parcels making up the subject site (751-020-002, -003, -006, and -007) at the maximum permitted density would result in a total of 148 units (1 primary residence and 36 units of agricultural employee housing[21] per parcel). Based on an average of 3.12 persons per household in unincorporated Riverside County, maximum buildout under the existing conditions could result in approximately 462 residents.[22] The Project proposes the development of up to 1,362 dwelling units, which, according to the estimated household sizes provided in the VMT study prepared for the Project by Urban Crossroads, could result in up to 3,677 residents on-site.[23] Buildout of the Project could therefore result in up to a 696 percent increase in on-site population compared to maximum buildout under the existing conditions.

The growth forecast provided in the RTP/SCS is based, in part, on local land use plans. Given that the Project proposes a substantial change in the existing and designated use of the subject property, it can be assumed that the resulting population would not have been accounted for in local and regional growth projections. The Demographics and Growth Forecast prepared for the 2024 RTP/SCS projects that the population in Riverside County will grow by approximately 25.4 percent from 2019 to 2050, increasing from 2,386,000 to 2,992,000 residents. In 2024, the total population in the County is estimated to be 2,442,378 residents, according to the Department of Finance Table E-5 Population and Housing Estimates. Based on this population estimate, population growth in the County is generally on-track with the growth forecasted in the RTP/SCS.[24] The significant intensification in land use proposed for the Project site could therefore result in population growth beyond what was accounted for in the RTP/SCS growth forecast.

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[21] Eligible agricultural employee housing as defined under the Employee Housing Act, pursuant to §17021.8 of the Health and Safety Code.

[22] State of California, Department of Finance, E-5 Population and Housing Estimates for Cities, Counties and the State — January 1, 2021-2024.

[23] Thermal Ranch Specific Plan Vehicle Miles Traveled (VMT) Analysis, prepared by Urban Crossroads, Inc. (December 2023).

[24] The RTP/SCS forecasts a 25.4% increase in population over the 31-year period of 2019 to 2050, or an increase of 606,000 new residents. As of 2024, approximately 16% of the 31-year period has passed. 16% of the projected growth would result in 96,960 more residents than 2019, or a total population of 2,482,960 in 2024. The Department of Finance population estimate therefore represents 98.4% of the RTP/SCS forecast for 2024.

The Riverside County population, housing, and employment forecasts for 2010, 2020, and 2035 are provided in the Population and Employment Forecasts technical appendix to the County General Plan. These forecasts project that population in the Eastern Coachella Valley Area Plan would increase by 121 percent (74,954 to 166,106) from 2010 to 2020.[25] However, data from the 2010 and 2020 census indicates that growth in the Project planning area has occurred significantly more slowly than anticipated in the General Plan. According to census data for the Coachella Valley Census County Division (CCD), the area's population grew by 5.5 percent over the ten-year period.[26]

Furthermore, aside from the growth forecast component of the RTP/SCS, it should be noted that the Project would be consistent with some of the goals and strategies provided in the Sustainable Communities Strategy. For example, consistent with the goal to "Focus growth near destinations and mobility options," the proposed development would provide a significant number of housing units in proximity to the employment and recreation opportunities associated with the proposed equestrian center and commercial space. For those living on-site, this land use pattern would facilitate multimodal access to work and other destinations, and for those living in the eastern Coachella Valley more broadly, the jobs generated by this development could reduce commute times and distances. Consistent with the SCS goal to "Promote diverse housing choices," the Project will provide a range of housing options, including workforce housing, attached and detached single family homes, and resort condominiums.

Riverside County General Plan – Air Quality Element

Development resulting from the proposed Project would be required to adhere to the County General Plan policies designed to reduce air quality impacts. An analysis of the Project's consistency with General Plan air quality policies is provide below. The proposed development must also be implemented in accordance with all applicable SCAQMD rules and regulations to ensure that impacts to air quality are reduced to the greatest extent practicable. As stated in policy AQ 4.9 in the General Plan, all developments must comply with SCAQMD Rules 403 and 403.1 in order to reduce fugitive dust generated by construction sites. Consistent with Rule 403.1, the Project will be required to prepare a Fugitive Dust Control Plan which may include standard dust control measures such as watering exposed areas. Furthermore, as stated in AQ 4.7 of the Riverside County General Plan, all projects must mitigate, to the greatest extent possible, any anticipated emissions that would exceed the thresholds established by SCAQMD. Compliance with General Plan policies and SCAQMD rules and regulations will ensure that the Project will comply with air quality management plans, to the greatest extent possible.

The following summarizes the Project's consistency with County General Plan Air Quality policies:

Sensitive Receptors Policies

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.

[25] Riverside County General Plan Appendix F-1 Population and Employment Forecasts.
[26] U.S. Census Bureau, 2010 and 2020 Decennial Census.

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.

Project Consistency: The project does not propose any pollution producing activities and the large central equestrian open space provides ample buffer between residential planning areas. The Specific Plan proposes an extensive network of trails throughout the project that offers pedestrian, bicycle-friendly, and equestrian friendly means of travel with the intent of providing alternatives to the use of the automobile for internal area travel as a way to help improve air quality. Future development will also include landscaping plans that adhere to the appropriate use of drought tolerant and non-invasive plant species in amounts consistent with water conservation and in compliance with CVWD water allotments.

Mobile Pollution Policies

AQ 3.2 Seek new cooperative relationships between employers and employees to reduce vehicle miles traveled.

Project Consistency: The Thermal Ranch Specific Plan incorporates workforce housing into the proposal to house Thermal Ranch equestrian center employees and possible off-season use by agricultural workers, which will reduce vehicle miles traveled by employees.

Stationary Pollution Policies

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 4.3 Require centrally heated facilities to utilize automated time clocks or occupant sensors to control heating where feasible.

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 4.5 Require stationary pollution sources to minimize the release of toxic pollutants through:

- Design features;
- Operating procedures;
- Preventive maintenance;
- Operator training; and
- Emergency response planning

AQ 4.6 Require stationary air pollution sources to comply with applicable air district rules and control measures.

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, SCAB, the Environmental Protection Agency and the California Air Resources Board.

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.

Project Consistency: The California Green Building Standards Code (proposed Part 11, Title 24) was adopted as part of the California Building Standards Code in the CCR. Part 11 establishes standards on planning and design for sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and internal air contaminants. The Project will be subject to these mandatory standards. Passive energy efficiency techniques will be applied within the Thermal Ranch Specific Plan, including orientation of buildings, planting trees to take advantage of shade, and adequate roof overhangs. Active energy efficiency measures will be addressed and required in Title 24.

All developments must comply with SCAQMD Rules 403 and 403.1 to reduce fugitive dust generated by construction sites. Other applicable rules are listed below, and further described in Section 2.4.3.1:

- Rule 201: Permits to Construct
- Rule 402: Nuisance (air contaminants)
- Rule 404: Particulate Matter Concentration
- Rule 1113: Architectural Coatings
- Rule 1300: New Source Review General

Energy Efficiency and Conservation Policies

AQ 5.1 Utilize source reduction, recycling and other appropriate measures to reduce the amount of solid waste disposed of in landfills.

Project Consistency: Assembly Bill (AB) 939 requires a 50 percent diversion of solid waste from landfills. According to the Project Draft Environmental Impact Report, the Project's estimated operational waste stream would not exceed the landfill capacity. Additionally, CalGreen requires that a minimum of 65 percent of construction waste materials are reused or recycled. The Project must also comply with all applicable policies in the Countywide Integrated Waste Management Plan. Household and commercial solid waste generated by the Project will not interfere with the County's compliance with AB 939 which requires all California cities and counties to implement programs to reduce, recycle, and compost at least 50 percent of wastes by the year 2000 (Public Resources Code Section 41780).

Jobs-to-Housing Ratio Policies

AQ 8.1 Locate new public facilities in job-poor areas of the county.

AQ 8.2 Emphasize job creation and reductions in vehicle miles traveled in job-poor areas to improve air quality over other less efficient methods.

AQ 8.3 Time and locate public facilities and services so that they further enhance job creation opportunities.

AQ 8.4 Support new mixed-use land use patterns and community centers which encourage community self-sufficiency and containment, and discourage automobile dependency.

AQ 8.5 Develop community centers in conformance with policies contained in the Land Use Element.

AQ 8.6 Encourage employment centers in close proximity to residential uses.

AQ 8.7 Implement zoning code provisions which encourage community centers, telecommuting and home-based businesses.

AQ 8.8 Promote land use patterns which reduce the number and length of motor vehicle trips.

AQ 8.9 Promote land use patterns that promote alternative modes of travel.

Project Consistency: The Thermal Ranch SP includes one planning area zoned for retail commercial, hotel and other hospitality uses, and one area that allows the operation of an equine showgrounds. Both of these components will increase available employment opportunities for those living in the eastern Coachella Valley. The Project site is not identified in the General Plan as a Community Center. However, the Thermal Ranch Specific Plan creates its own master-planned community consisting of low, medium, and high-density residential neighborhoods, commercial, hospitality and open space areas that collectively serve to reduce automobile reliance and minimize air quality impacts.

Control Measures

AQ 17.1 Reduce particulate matter from agriculture, construction, demolition, debris hauling, street cleaning, utility maintenance, railroad rights-of-way, and off-road vehicles to the extent possible.

AQ 17.3 Identify and create a control plan for areas within the County prone to wind erosion of soil.

AQ 17.4 Adopt incentives, regulations and/or procedures to manage paved and unpaved roads and parking lots so they produce the minimum practicable level of particulates.

AQ 17.11 Create and implement street-sweeping plans, as appropriate, in areas of the County disproportionately affected by particulate matter pollution.

Project Consistency: All development within County and SCAQMD jurisdiction is required to prepare a construction Dust Control Plan pursuant to SCAQMD Rule 403.1. The Dust Control Plan shall be prepared and implemented by all contractors during construction activities, including ground disturbance, grading, and materials import and export to reduce emissions of particulate matter. While Project operations are not expected to exceed the daily threshold for PM_{10} or $PM_{2.5}$, an operational Fugitive Dust Control Plan should be prepared and implemented for Planning Area 1, the equestrian center, to ensure that particulate matter emissions are minimized to the maximum extent practicable (see mitigation measure **AQ-2**). This plan should be developed to reduce particulate matter emitted as a result of equestrian activities on unpaved surfaces, and may include stabilization measures such as the application of water or the application of dust suppressants.

3.8 Odors

Some land uses can be sources of odors that, while not necessarily physically harmful, may be unpleasant and distressing to the public. The SCAQMD identifies land uses such as agriculture, chemical plants, composting operations, dairies, fiberglass molding, landfills, refineries, rendering plants, rail yards, and wastewater treatment plants as more likely to generate odors. Development and improvements facilitated by the proposed Project, including the equestrian center and related operations, have the potential to result in short-term and long-term odors.

The Project has the potential to result in short-term odors associated with the operation of heavy equipment during grading, building construction, and other construction activities. Construction-related odors would be limited and temporary, and quickly dispersed below detectable levels as distance from the construction area increases.

The Project's equestrian operations could pose a long-term impact to local air quality. In particular, animal waste generated in the equestrian center could generate nuisance odors if not managed properly. Based on a peak horse occupancy of 2,700 animals, the Project could generate up to 140,000± pounds of manure daily. Project manure management will include distributed short-term (intra-day) concrete storage areas and centralized handling in the back-of-house area adjacent to the IID substation site and away from any sensitive receptors. From this handling area haulers will remove manure daily. Daily removal of manure from the Project site will further reduce potential odors.

The Project also proposes the development of two sewer lift stations in Planning Area 4 (PA-4). These private lift stations will be subterrain, and will be built to industry standards. They will be designed with standard odor control measures, including ventilation, and will be subject to review by the Riverside County Building and Safety Department.

The proposed restaurants and other commercial uses could have the potential to generate odors during operations. Restaurants would be required to receive development plan approval from the County of Riverside Department of Environmental Health demonstrating compliance with regulations for food facilities, including the provision of ventilation in cooking areas and associated odor control.[27]

3.9 Cumulative Impacts

Given the dispersing nature of pollutant emissions and aggregate impacts from nearby jurisdictions, cumulative air quality is evaluated on a regional scale. As previously described, the Riverside County portion of the Salton Sea Air Basin (also known as the Coachella Valley planning area) is a designated non-attainment region for PM_{10} and ozone. Any development resulting in emissions of PM_{10}, ozone, or ozone precursors will, to some extent, contribute to existing regional non-attainment.

[27] "Construction Plan Approval Procedures for Food Facilities" prepared by County of Riverside Department of Environmental Health, September 2013.

The SCAQMD does not currently provide thresholds of significance for the cumulative emissions of multiple projects. Instead, a project's potential cumulative contributions can be analyzed using the criteria for project-specific impacts, assuming that if an individual development generates less than significant construction and operation emissions, then it would not generate a cumulatively considerable increase in non-attainment criteria pollutants.

The Project is located in a non-attainment area for PM_{10}, as well ozone, for which precursors include CO, NOx, and ROG. As shown in **Tables 3-2** and **3-3**, the Project's emissions of PM_{10} are projected to be below the SCAQMD thresholds for project-specific impacts. However, the Project's emissions of CO, NO_x and ROG are expected to exceed the District's project-specific thresholds under mitigated conditions. As discussed above, mobile sources form the majority of the Project's CO, NO_x and ROG emissions, and while the Project incorporates an extensive internal multi-modal trail network that is intended to enhance onsite connectivity for golf carts, bicycles and pedestrians, thereby reducing the need for vehicle trips within the property, these efforts will not reduce the Project's CO, NO_x and ROG emissions below SCAQMD thresholds. Therefore, the Project's contributions of ozone precursors will be significant and unavoidable, and the resulting contributions to regional non-attainment will be cumulatively considerable.

3.10 CEQA Determination

a) Conflict with or obstruct implementation of the applicable air quality plan?

Given that the Project proposes a General Plan Amendment and a Change of Zone to develop a mixed-use community on the currently agricultural site, the resulting intensification of residential and commercial uses will make a substantial contribution to unincorporated County growth. It should be noted that this growth would occur in the ECVAP planning area where real growth has been significantly slower than was projected to occur between 2010 and 2020.[28] Nonetheless, the population growth resulting from the Project would not have been accounted for during the development of the SCAG RTP/SCS growth forecasts, and as a result, the Project could contribute to the County's possible exceedance of the growth planned for in the development of SCAQMD's plans.

While increases in population are generally correlated with increased levels of air pollutant emissions, State laws and regional policies pertaining to air quality, in combination with proper land use planning, adherence to the Title 24 building and energy codes, and increased opportunities for alternative modes of transportation, are intended to remove the direct correlation between population growth and air quality impacts. As a result, the population growth county-wide in unincorporated Riverside County potentially resulting from the Project would not necessarily conflict with or obstruct implementation of future Air Quality Management Plans.

[28] Population in the Eastern Coachella Valley Area Plan was projected to increase by approximately 120% from 2010 to 2020. Population in the Coachella Valley Census County Division increased by 5.5% from 2010 to 2020.

Despite compliance with General Plan air quality policies and SCAQMD rules and regulations discussed in Section 3.7, the proposed Project still has the potential to conflict with or obstruct the implementation of applicable air quality plans. As discussed in Section 3.5, air quality emissions modeled using CalEEMod project that operation of the Project will result in emissions of CO, NO_x and ROG exceeding SCAQMD's daily thresholds. These emissions would primarily be from mobile sources (i.e. vehicle emissions from residents, employees, and visitors to the site) and area sources (i.e. architectural coatings, consumer products, landscaping equipment). Due to the rural location of the Project site and the elective nature of residents' transportation choices, mitigation measures cannot be reliably enforced or quantified for mobile emissions.

Similarly, the use of consumer products and landscaping equipment in the proposed development would be subject to the choices of individual residents and commercial tenants. Insofar as the proposed development's operational CO, NO_x and ROG emissions may exceed the SCAQMD thresholds, the Project has the potential to conflict with or obstruct the implementation of applicable air quality plans, including SCAQMD's 2022 Air Quality Management Plan. As noted, evaporative reactive organic gas (ROG), nitrous oxides (NO_x), and carbon monoxide (CO) emissions are the consequence of current internal combustion engine technology. Current emissions control technologies, including catalytic converters, have reduced but not yet eliminated ROG, NO_x and CO emissions. Driver-implemented actions to further reduce CO and NO_x emissions include using higher octane fuels, changing oil and air filters more frequently, and driving on properly inflated tires. As noted, these involve personal choices and their implementation cannot be assured.

As discussed in Section 3.5, all practicable mitigation measures were selected in CalEEMod and applied to the Project's mitigated emissions results. Also, Mitigation Measures **AQ-1** through **AQ-7** are provided to ensure construction and operational emissions are reduced to the greatest extent practicable. Nonetheless, emissions of CO, NO_x and ROG would exceed SCAQMD's daily operation thresholds; exceedances are primarily associated with mobile and area emissions. Considering that mitigation measures cannot be confidently enforced or quantified for mobile and area sources of operational emissions associated with the Project, the resulting impacts would be potentially significant and unavoidable.

b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?

Construction Emissions

As shown in **Tables 3-2** and **3-3**, emissions associated with construction of the Project and the water reservoir would not exceed the SCAQMD mass daily thresholds for construction. Construction of the Project and water reservoir would therefore not result in a cumulatively considerable net increase of any criteria pollutant. While impacts would be less than significant without mitigation, mitigation measures **AQ-1** and **AQ-2** are intended to reduce particulate matter, NOx and ROG emissions to the greatest extent practicable.

Operational Emissions

Operation of the Project will not exceed SCAQMD thresholds for SO_x, PM_{10}, or $PM_{2.5}$. However, daily emissions during Project operations will exceed the SCAQMD thresholds for carbon monoxide (CO), nitrogen oxides (NO_x), and reactive organic compounds (ROG).

The subject site is located in a non-attainment area for PM_{10} and ozone, for which precursors include CO, NOx, and ROG. Given that the Project will exceed the SCAQMD thresholds for CO, NO_x, and ROG, it could make substantial contributions to the region's existing air quality violation for ozone.

Approximately 80 percent of CO emissions, 83 percent of NO_x emissions, and 45 percent of ROG emissions associated with Project operations are from mobile sources, resulting in part from the large quantity of weekday vehicle trips (18,939) and weekend vehicle trips (21,532 Saturday and 13,995 Sunday trips) that the Project is projected to produce during the October to April event season. It should be noted that the operational emissions in **Table 3-3** represent the maximum emissions that would occur on any day of operations, and, given the seasonal nature of the proposed equestrian center, it can be expected that mobile emissions would be significantly lower during the summer-off season. As such, given that CO, NO_x and ROG are relatively short-lived pollutants, and with fewer mobile trips occurring during the off season, daily emissions of these pollutants may fall below SCAQMD thresholds during this five-month period.

Area Emissions

The majority of the Project's projected ROG exceedances are the result of area and mobile sources. Approximately 57 percent of the projected ROG emissions are from area sources, and approximately 43 percent of projected ROG emissions are from mobile sources. The mobile emissions of ROG are, like the CO and NO_x emissions, mostly the result of the number of daily trips estimated to be generated by the Project. ROG emissions from area sources may be the result of the reapplication of architectural coatings, as well as the use of consumer products such as cleaning supplies and kitchen aerosols, and the operation of landscaping equipment.[29]

ROG emissions from the reapplication of architectural coatings can be reduced by using low-VOC products as well as by reducing the frequency with which architectural coatings are reapplied. The VOC content of architectural coatings is already regulated and mitigated to the maximum extent feasible by SCAQMD Rule 1113, which provides VOC limits for products sold within the District's jurisdiction, and thus further mitigation cannot be reasonably applied to this source. The type of consumer products (cleaning products, kitchen aerosols) used on-site and the frequency and quantity in which they are used would have an impact on the level of ROG emissions during Project operations, as would the use of electric landscaping equipment in place of traditional gas-powered equipment.

[29] California Emissions Estimator Model User's Guide, Versions 2022.1., prepared for California Air Pollution Control Officers Association (CAPCOA), April 2022.

However, these operational ROG/VOC emissions[30] cannot be feasibly mitigated to less than significant levels because they are largely dependent on the choices of individual vehicle owners, consumers, tenants, and property-owners, except to the extent that state and federal regulations further limit these emissions in the future. In the meantime, these practices would largely be subject to the discretion of residents and tenants of the Project, but despite these limitations, **AQ-5** and **AQ-6** recommend the use of low-VOC cleaning products and electric landscaping equipment on-site to the greatest extent practicable. These measures are dependent on voluntarily implementation, and as a result there are no practicable means through which the measures can be enforced as requirements, or that the resulting reductions in ROG emissions can be quantified. Given these factors, area-source emissions of ROG cannot be confidently reduced to meet the SCAQMD daily threshold, and this impact is considered significant.

Mobile Emissions

Mobile sources of CO, NO_x and ROG emissions could be reduced through the reduction of vehicle miles traveled (VMT) associated with the Project. The proposed development has already been designed with an extensive internal multi-modal trail network that is intended to enhance onsite connectivity for golf carts, bicycles, and pedestrians, thereby reducing the need for vehicle trips within the property. The potential reductions in internal vehicle trips resulting from the Project's site designed have been accounted for in the TIA trip rates inputted to CalEEMod. VMT associated with trips to external destinations could be reduced by the use of public transportation and the promotion of carpooling programs for Project employees. However, the enforcement of these options are not considered feasible as mitigation measures here due to Project's location in a relatively rural area. While the Project area receives bus service from SunLine Transit Agency, including Route 9 which generally runs along Avenue 66 to Harrison Street, the nearest bus stop is currently approximately one mile from the southern edge of the subject site. The perimeter of the Project will also be lined by bike trails, which will implement and eventually connect with the area-wide trail network set forth in the County General Plan. Along with the design features described above, VMT associated with the Project has been reduced to the maximum extent feasible.

Furthermore, the installation of electric vehicle (EV) charging stations on site would support the use electric vehicles, thereby reducing mobile emissions resulting from gasoline-powered vehicles. Pursuant to measure R2-T4 in the Riverside County Climate Action Plan Update (2019), the Settlement Agreement requires the installation of EV charging stations in all garages of new units of residential development. Furthermore, according to Part 11 of the Title 24 regulations (CALGreen), multi-family developments with 20 or more dwelling units, hotels with 20 or more rooms, and all non-residential developments must provide EV chargers for a portion of all parking spaces.

[30] The Environmental Protection Agency formerly defined organic compounds in the air as Reactive Organic Gases (ROG), but later changed the terminology to Volatile Organic Compounds (VOC). For the purpose of this analysis, ROG emissions are assumed to be equivalent to VOC.

The use of public transit, carpooling, electric vehicles, and bicycle facilities would reduce Project-related VMTs, thereby reducing the Project's CO, NO_x and ROG emissions. However, the elective use of alternative modes of transportation by residents, employees, and visitors of the Project cannot be confidently quantified and applied as mitigation measures in a way that ensures operational CO, NO_x and ROG emissions will not exceed the SCAQMD thresholds. Therefore, operational emissions of criteria pollutants CO, NO_x and ROG are considered significant and unavoidable.

While Project operations are not expected to exceed the daily threshold for PM_{10} or $PM_{2.5}$, an operational Fugitive Dust Control Plan should be prepared and implemented for Planning Area 1, the equestrian center, to ensure that particulate matter emissions are minimized to the maximum extent feasible (see mitigation measure **AQ-4**). This plan should be developed to reduce particulate matter emitted as a result of equestrian activities on unpaved surfaces, and may include stabilization measures such as the application of water or the application of dust suppressants. The implementation of **AQ-1** and **AQ-4** will ensure that PM_{10} and $PM_{2.5}$ emissions will be less than significant; however, this measure will not impact the Project's exceedance of the daily thresholds for CO, NO_x and ROG, and impacts associated with the emission of these pollutants will still be significant and unavoidable.

Overall, Project-specific impacts associated with operational emissions of CO, NO_x, and ROG will be significant and unavoidable, and Project-related impacts to non-attainment will be cumulatively considerable.

c) Expose sensitive receptors, which are located within one (1) mile of the project site, to substantial pollutant concentrations?

As shown in **Table 3-4**, the Project is not expected to exceed LSTs during construction. As stated above, Project construction emissions represent a maximum of 5-acres of daily disturbance during the construction of PA-3. Given that the LST threshold would not be exceeded, the existing sensitive receptors in the Project vicinity, the existing residences on Tyler Street, would not be significantly impacted by adverse air quality during the Project's construction. Likewise, the nearest residence to the Middleton Reservoir site would not be significantly impacted by adverse air quality during construction of the proposed 5 mg water tank.

Given that the Project may be constructed in phases, it is possible that sensitive land uses built on-site in earlier phases may be impacted by criteria pollutants emitted during the construction of subsequent phases. However, LSTs were analyzed using the most intensive proposed land use and the minimum receptor distance in order to provide a conservative assessment of potential impacts. Therefore, provided no more than 5-acres are disrupted per day during construction, then the results in **Table 3-4** are applicable to construction and receptors within the Project, and impacts would be less than significant.

Likewise, future sensitive receptors could be constructed off-site within the Project vicinity prior to the completion of the construction of all planning areas. However, because construction LSTs were projected using the worst-case scenario, the findings presented in **Table 3-4** are still applicable.

While the above evidence indicates that construction of the Project will not generate substantial pollutant concentrations, numerous local and state policies are in place to further reduce the construction-related emissions. For example, any heavy-duty diesel-fueled trucks involved in construction of the Project will also be subject to the CARB Airborne Toxic Control Measure (CCR, Title 13, §2485), which prohibits idling for more than five minutes unless in possession of a certified Clean Idle sticker. Furthermore, and as previously stated, the Project will be required to prepare a construction Dust Control Plan pursuant to SCAQMD Rule 403.1. The Dust Control Plan shall be prepared and implemented by all contractors during construction activities, including ground disturbance, grading, and materials import and export. The plan requires implementation of best management practices, which may include:

- Treat and stabilize soil where activity will cease for at least four consecutive days;
- All construction grading operations and earth moving operations shall cease when winds exceed 25 miles per hour;
- Water of site and equipment morning and evening and during all earth-moving operations;
- Operate street-sweepers on impacted paved roads adjacent to site;
- Establish and strictly enforce limits of grading for each phase of construction;
- Wash off trucks as they leave the project site to control fugitive dust emissions;
- Cover all transported loads of soils, wet materials prior to transport, provide freeboard (space from the top of the material to the top of the truck) to reduce PM10 and deposition of particulate matter during transportation;
- Use track-out reduction measures such as gravel pads at project access points to minimize dust and mud deposits on roads affected by construction traffic.

Compliance with these standard requirements will ensure that construction of the Project will not result in substantial pollutant concentrations impacting sensitive receptors, including existing residences and schools within one mile of the Project site, future sensitive receptors within one mile of the Project site, and future sensitive receptors in the Project vicinity, to substantial pollutant concentrations.

Health Impacts

The SCAQMD does not currently have a methodology to consistently and meaningfully correlate the expected air pollutant emissions of a project to the likely health consequences of those emissions. There are several factors that make it scientifically impossible with the technology available today to calculate the degree to which an individual's health would be impacted by exposure to various levels of criteria pollutant emissions:

- Individual medical histories mean that everyone is affected differently. Some individuals have medical predispositions, and diet and exercise levels various across the population too.
- Due to the dispersing nature of pollutants, it is difficult to locate and identify which individuals will be impacted to what extent, either directly or indirectly.
- There are currently no agreed upon methodology or studies upon which to base assumptions, such as baseline health levels or emissions level to health risk ratios.

Due to these limitations, the extent to which the Project poses a health risk is somewhat uncertain. However, the application of the SCAQMD localized significance thresholds indicates that construction of the Project would have less than significant impacts to sensitive receptors, which means that the Project will not generate localized emissions that pose a significant health risk. Likewise, the overall emissions expected to result from the Project based on projections developed using CalEEMod indicate that the development-related emissions will fall below the SCAQMD mass rate thresholds.

Pursuant to Rule 1401, 1401.1, and 212 of the SCAQMD rulebook, the District requires the preparation of a Health Risk Assessment (HRA) for facilities associated with high levels of toxic air contaminants. To reduce exposure to toxic air contaminants (TACs), CARB recommends minimum separation distances between new sensitive land uses, such as residences, and eight categories of existing sources of TACs: high-traffic freeways and roads, distribution centers, rail yards, ports, refineries, chrome plating facilities, perchloroethylene dry cleaners, and large gas stations.[31] The proposed Project neither proposes the development of any such facilities, nor is it situated in proximity to any such facility. While the Project is bound by three existing arterial roads, CARB defines freeways and high traffic roads as including rural roads with 50,000 vehicles per day. As shown in the Traffic Impact Analysis prepared for the Project by Urban Crossroads, nearby roadways have average daily traffic (ADT) volumes of up to 39,300 vehicles per day in horizon year (2045) with Project weekday conditions.[32] The preparation of an HRA is therefore not required nor needed to determine that the Project will not cause any significant air quality-related health risks to residents in the Project vicinity.

Based on these findings, it is therefore anticipated that the Project's impacts and associated health effects resulting from criteria pollutants will overall be less than significant. The Project will not expose sensitive receptors within one mile of the project site to substantial pollutant concentrations.

d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

The Project proposes land uses that could generate objectionable odors, including equestrian operations, sewer lift stations, and restaurants. Manure generated by equestrian operations will be stored on-site as far as possible from sensitive receptors. Daily removal of manure from the Project site will further reduce potential odors, which are expected to be less than significant.

The private sewer lift stations will be subterrain and built to industry standards including odor control measures such as ventilation. The lift stations will be subject to review by the Riverside County Building and Safety Department, ensuring that potential odors and resulting impacts will be less than significant.

The proposed restaurants and other commercial uses could have the potential to generate odors during operations. Restaurants would be required to receive plan approval from the County of

[31] CalEPA and CARB, Air Quality and Land Use Handbook: A Community Health Perspective (April 2005).

[32] Thermal Ranch Specific Plan Traffic Analysis, prepared by Urban Crossroads, Inc. (date), Exhibit 7-9: Horizon Year (2045) with Project Weekday Average Daily Traffic (ADT) Volumes.

Riverside Department of Environmental Health demonstrating compliance with regulations for food facilities, including the provision of ventilation in cooking areas and associated odor control.[33]

The proposed off-site water tank will contain domestic water supplies and would not result in objectionable odors or other emissions. The Middleton Water Reservoir site is located more than a mile from any sensitive receptors. No impacts would result from the reservoir.

Implementation of standard practices for manure management, as well as lift station and restaurant design will ensure that the emission of odors from the Project will not adversely affect a substantial number of people, and impacts will be less than significant.

3.11 Air Quality Mitigation Measures

Emissions generated by construction of the Project will not exceed the SCAQMD daily thresholds for any criteria air pollutants. Nonetheless, mitigation measure **AQ-1 and AQ-2** will ensure construction emissions are reduced to the greatest extent practicable.

AQ-1 **Dust Control**

The Project will be required to prepare a construction Dust Control Plan pursuant to SCAQMD Rule 403.1 (General Policy AQ Policy 4.9) that shall be prepared and implemented by all contractors during construction activities, including ground disturbance, grading, and materials import and export. The plan requires implementation of best management practices, which may include:

- Treat and stabilize soil where activity will cease for at least four consecutive days;
- All construction grading operations and earth moving operations shall cease when winds exceed 25 miles per hour;
- Water of site and equipment morning and evening and during all earth-moving operations;
- Operate street-sweepers on impacted paved roads adjacent to site;
- Establish and strictly enforce limits of grading for each phase of construction;
- Wash off trucks as they leave the project site to control fugitive dust emissions;
- Cover all transported loads of soils, wet materials prior to transport, provide freeboard (space from the top of the material to the top of the truck) to reduce PM10 and deposition of particulate matter during transportation;
- Use track-out reduction measures such as gravel pads at project access points to minimize dust and mud deposits on roads affected by construction traffic.
- Dust suppressants shall be applied on all unpaved roads within the project construction footprint.
- Limit vehicle speeds on unpaved roads to 25 mph.

[33] "Construction Plan Approval Procedures for Food Facilities" prepared by County of Riverside Department of Environmental Health, September 2013.

AQ-2 **Construction Equipment Emission Reductions**

The following measures will reduce NOx and ROG emissions from construction equipment:

- Limit heavy-duty diesel vehicle idling to less than 5 minutes at a single location (vehicles more than 10,000 lbs.)
- Use oxidation catalysts on all construction equipment. The oxidation catalyst must achieve a minimum 15% reduction in NOx emissions.

Mitigation Measure **AQ-3** requires all future development comply with current state energy and/or green building codes. Mitigation measures **AQ-4** through **AQ-6** are intended to improve operational air emissions. **AQ-4** is intended to further reduce operational emissions of fugitive dust (PM10 and PM2.5), despite the determination that these criteria pollutants will not exceed the SCAQMD threshold. **AQ-5** and **AQ-6** are intended to reduce area emissions of ROG. **AQ-7** is intended to reduce the amount of pollutants emitted from the production of new materials while preserving raw materials through recycling. However, even with implementation of these measures, operational emissions of CO, NO_x and ROG will not be reduced to less than significant levels. As previously discussed, there are no feasible, quantifiable or enforceable ways to further mitigate for CO, NO_x and ROG emissions from vehicle trip and, with respect to area emissions of ROG, for the elective use of consumer products. Therefore, operational impacts will continue to exceed CO, NO_x and ROG emissions, and impacts will be significant and unavoidable.

AQ-3 **Title 24 Compliance**

All building construction shall 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 **Operational Dust Control Plan**

The Project proponent shall prepare and implement an operational Fugitive Dust Control Plan for the proposed equestrian center (Planning Area 1) consistent with the recommendations in SCAQMD Rule 403, including Table 4 therein. The plan shall effectively reduce particulate matter emissions associated with the equestrian center, including the application of dust suppressants to disturbed or unpaved surfaces.

AQ-5 **Landscape Maintenance**

Electric landscape maintenance equipment, including leaf blowers and lawn mowers, shall be used on-site to the greatest extent practicable.

AQ-6 **Cleaning Products**

Water-based or low VOC cleaning products shall be used on-site to the greatest extent practicable.

AQ-7 **Recycling Programs**

All future development shall participate in a recycling program to reduce the amount of solid waste disposed of in landfills.

Impacts on sensitive receptors and odor generation will be less than significant. Given that measures to further reduce CO, NO_x and ROG emissions cannot not be quantified and applied as enforceable mitigation measures, the Project's operational criteria pollutant emissions will continue to exceed the SCAQMD thresholds for CO, NO_x and ROG, and impacts are considered significant and unavoidable. Project-specific impacts to the emission of criteria pollutants will be significant and unavoidable, and Project-related impacts to non-attainment will be cumulatively considerable. As a result, the Project will also be considered to have significant and unavoidable impacts as a result of potentially conflicting with or obstructing an air quality management plan.

4 CLIMATE CHANGE SETTING

4.1 Introduction to Greenhouse Gases and Climate Change

Greenhouse gases, or GHG, are gases that absorb infrared radiation in the atmosphere. They are named after their role in the greenhouse effect, which refers to the trapping of heat in the atmosphere, near the earth's surface. Like the function of the walls of a greenhouse, as heat flows towards space from the earth's surface, GHGs absorb it and re-radiate it back towards the earth's surface.[34] Greenhouse gases play an essential role in insulating the earth and thereby maintaining climatic conditions amenable to life as we know it.[35]

While GHGs are vital, maintaining balance in the system is also crucial. Over the last two centuries, human activity, such as the burning of fossil fuels, industrial activity, deforestation, and land use changes, began to intensify the natural greenhouse effect. While the combustion of fossil fuels produces and emits greenhouse gases into the atmosphere at levels elevated far beyond the natural production of these gases, the removal of trees and other vegetation reduce the earth's ability to sequester CO_2.[36] As the concentrations of these gases increase, so too does the amount of heat that they trap in the atmosphere and the oceans. The resulting warming of the earth's climate is known as climate change.

4.1.1 Greenhouse Gases

According to the Intergovernmental Panel on Climate Change (IPCC) Sixth Assessment Report (AR6), atmospheric concentrations of CO_2 have increased by 50 percent since the industrial revolution and continue to increase at a rate of two parts per million each year. At this rate, the world will exceed 1.5°C above pre-industrial levels by the 2030s.[37] This level of global warming is associated with global mean sea level rise as well as regional climatic changes such as extreme temperatures, increases in the frequency and intensity of heavy precipitation in some regions, and increases in the intensity and frequency of droughts in some regions.[38]

Greenhouse gas is a broad term referring to chemicals and substances found to cause changes in the atmosphere and the changing of the earth's climate. While these are not the only greenhouse gases, the California Air Resources Board is required to monitor and regulate seven GHGs: carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), sulfur hexafluoride (SF_6), nitrogen trifluoride (NF_3), perfluorocarbons (PFCs), and hydrofluorocarbons (HFCs).[39] The latter four gases, all of which contain fluorine, are sometimes collectively referred to as high global warming potential greenhouse gases (high-GWP gases).

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34 United Nations Framework Convention on Climate Change – GHG Inventories.
35 Town of Apple Valley 2019 Climate Action Plan Update.
36 California Air Resources Board 2022 Scoping Plan, Environmental and Regulatory Setting.
37 IPCC Climate Change 2021: The Physical Science Basis. Contribution of Working Group 1 to the Sixth Assessment Report of the IPCC (2021).
38 IPCC Special Report: Global Warming of 1.5°C – Summary for Policymakers (2018).
39 California Health and Safety Code § 38505 (g).

Global warming potential (GWP) is a metric used to convert all GHGs into carbon dioxide equivalents. Carbon dioxide equivalents (CO_2e), and specifically metric tons of carbon dioxide equivalents ($MTCO_2e$), are units of measure used to compare emissions of various greenhouse gases. Carbon equivalent refers to the mass of carbon dioxide that would produce the same estimated radiative force as that of another greenhouse gas.[40] These metrics facilitate the development of multi-gas frameworks and policies which are crucial to action addressing climate change.

Table 4-1 describes the primary GHGs, the contribution of each gas to California's total GHG emissions, and the main sources of emissions. The transportation sector is the largest emitter of GHGs in California, followed by the generation of electricity.[41]

Table 4-1
Sources of GHGs from Human Activities

GHG	% of California's 2020 GHG emissions [1]	Description	Sources[2]
Carbon Dioxide (CO_2)	80.2%	Odorless and colorless gas that is naturally emitted by the decomposition of dead organic matter, oceans, and volcanoes, as well as the respiration of plants, animals and fungus. CO_2 is naturally sequestered in trees and other vegetation, oceans, soils, and ice caps.	Fossil fuel combustion for transportation, electricity, and industry. Other sources include burning solid waste, trees and other biological materials, as well specific chemical processes for the industrial production of materials such as cement.
Methane (CH_4)	10.5%[3]	A natural byproduct of biological processes in low oxygen environments such as bogs or at the roots of rice crops, as well as in cattle raising. CH_4 absorbs more radiation than CO_2 but has a lower atmospheric concentration.	Fugitive emissions from fossil fuel operations and transport. Off-gassing from agricultural practices and landfills.
Nitrous Oxide (N_2O)	3.5%[3]	Colloquially known as laughing gas, a colorless gas that can cause dizziness and euphoria in small doses.	Agricultural practices, particularly nitrogen-base fertilizers. Soil management, wastewater treatment, and solid waste from land use and industrial activity.

[40] California Air Resources Board.
[41] California Air Resources Board 2022 Scoping Plan Update, Environmental and Regulatory Setting.

Table 4-1
Sources of GHGs from Human Activities

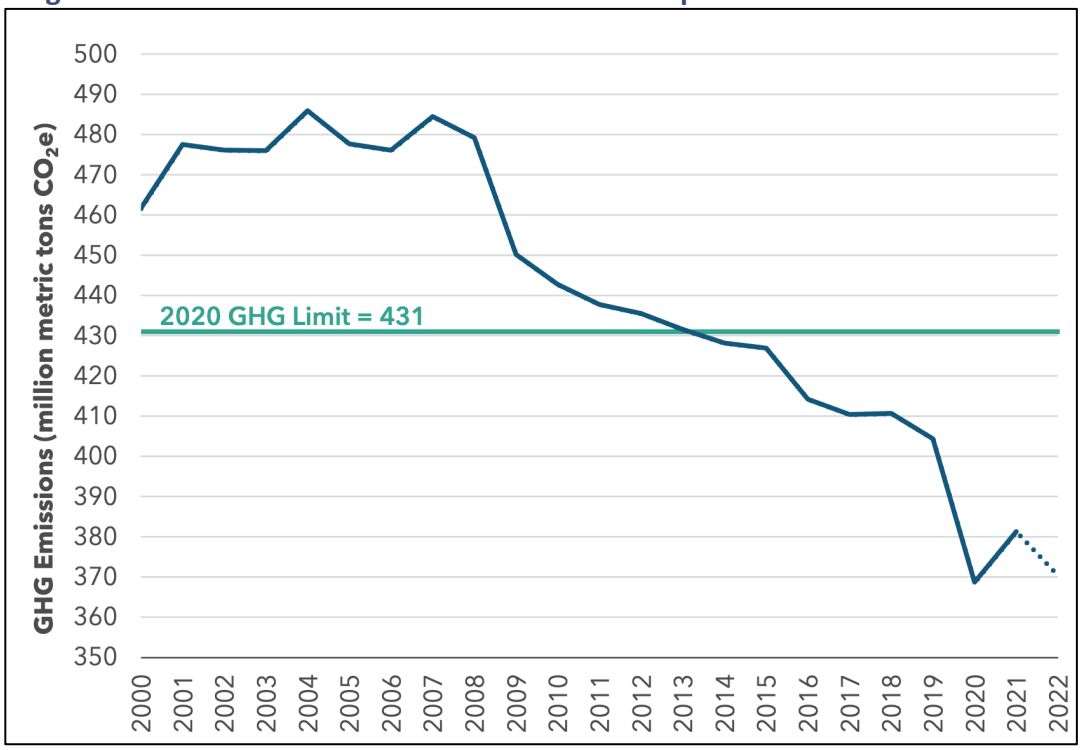
GHG	% of California's 2020 GHG emissions [1]	Description	Sources[2]
High-GWP gases	5.8%[3]	Hydrofluorocarbons (HFCs): Synthetic gases that have the highest GWP of all GHGs, though they represent a small proportion of emissions. Perfluorocarbons (PFCs): Synthetic gases stable molecular structures and very long lifetimes in the atmosphere.	PFCs and HFCs: Used as substitutes for chlorofluorocarbons (CFCs), ozone-depleting substances used in refrigeration, air conditioning, solvents, and aerosol products.
		Sulfur Hexafluoride (SF_6): A synthetic, odorless, colorless, nontoxic and nonflammable gas.	SF_6: Electricity transmission and distribution and in semiconductor manufacturing.
		Nitrogen trifluoride (NF_3): A synthetic, colorless, toxic gas with a musty odor.	NF_3: Semiconductor manufacturing.

[1] Source: California Air Resources Board.
[2] Sources: California Air Resources Board 2022 Scoping Plan Update, Environmental and Regulatory Setting; U.S. EPA, Overview of Greenhouse Gases, https://www.epa.gov/ghgemissions/overview-greenhouse-gases (accessed May 2024).
[3] In carbon dioxide equivalent units.

4.1.2 Climate Change in California

California is the second largest greenhouse gas producing state in the U.S., and the 16th largest contributor in the world; it is also the fifth largest economy in the world. In 2020, emissions from GHG emitting activities in California were 369.2 $MMTCO_2e$, 35.3 $MMTCO_2e$ below 2019 levels and 61.8 $MMTCO_2e$ below the 2020 GHG Limit. While emissions data for 2020 is likely distorted by impacts of the 2020 COVID-19 pandemic, Figure 3 shows that the state's success in reducing GHG emissions since 2000.

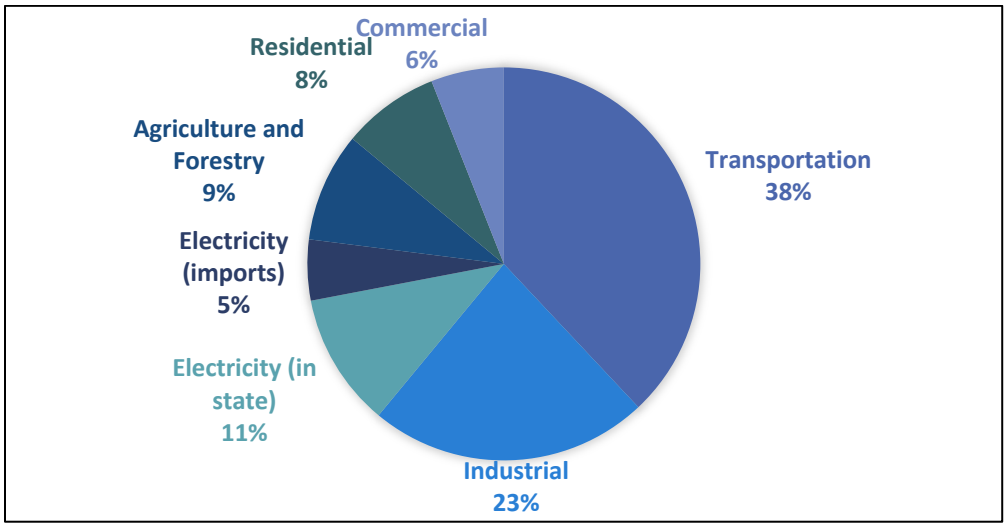
Figure 4-1: Annual Statewide GHG Emissions Compared to the 2020 GHG Limit



Source: California Greenhouse Gas 2000-2021 Emissions Trends and Indicators Report

Carbon dioxide is the primary greenhouse gas emitted in California. It accounted for 83% of total GHG emissions in the state in 2019.[42] Transportation, particularly on-road travel, is the predominant source of carbon dioxide emissions in California, and as shown in Figure 4, accounted for 38% of MMT CO_2e in the state in 2020.[43]

Figure 4-2: 2020 GHG emissions by economic sector (% of total California emissions)



Source: California Air Resources Board, Current California GHG Emission Inventory Data.

[42] California Air Resources Board, 2022 Scoping Plan for Achieving Carbon Neutrality (November 2022), p.32.
[43] Ibid.

While research into the effects of climate change continues to evolve, such as determining the severity of impacts at specific temperature increases, current and emerging impacts are becoming increasingly evident in climatic events globally. The impacts of climate change are apparent in California in effects such as the increasing frequency and severity of wildfires, droughts, and extreme heat.

Extreme Heat: California's daily maximum average temperature, an indicator of extreme temperature trends, is expected to increase 4.4°F - 5.8°F by 2050 and 5.6°F - 8.8°F by 2100.[44] Many regions in the state broke their previous records for hottest measured temperature, and as a whole California had its hottest summer on record in 2021.[45] Heat waves are occurring more frequently and are enduring longer, resulting in deadly public health crises, particularly in cities, across the state. Like many other effects of climate change and air pollution, the adverse impacts of heat waves are felt most acutely by vulnerable communities, including people with sensitive health conditions and low-income populations. Higher temperatures can also exacerbate natural disasters such as storms, heat waves, floods, and droughts.

Drought: According to CARB, 87% of California was in severe drought, and 100% of California was in at least moderate drought, as of March 2022. While droughts are a natural phenomenon, it is estimated that human-caused climate change accounts for 19% of drought severity and 42% of the soil moisture deficit in the state since 2000.[46] Severe and enduring drought is harmful to both wildlife and California's agricultural industry, which is responsible for growing more than half of the country's produce.[47] Combined, drought and extreme heat contribute to worsening wildfires in California.

Wildfires: Large wildfires are occurring more frequently in California: of the twenty largest wildfires recorded in the state's history, almost half of them occurred in 2020 and 2021.[48] In addition to the damage and lives lost directly from these fires, wildfire impacts compound with other impacts and causes of climate change. For example, wildfires in California result in severe air quality hazards and substantially harm wildlife populations, and the fires also result in the further emission of massive quantities of CO_2 into the atmosphere.

Beyond these three hazards, climate change is expected to have wide ranging effects to California's water and energy supply, sea level, and ecosystems. Coastal flooding is expected to occur because of rising sea levels paired with severe wind and rains. Inland flooding is expected to occur in areas where levees are at risk, for example because of the sinking of the Sacramento-San Joaquin Delta.[49]

[44] California Air Resources Board, 2022 Scoping Plan for Achieving Carbon Neutrality (November 2022), p.5.
[45] Ibid.
[46] Ibid, p.4.
[47] Ibid.
[48] Ibid.
[49] California Air Resources Board, Draft 2022 Scoping Plan Update, Environmental and Regulatory Setting.

4.1.3 GHGs and Health Impacts

While some greenhouse gases are hazardous to human health if encountered in high concentrations in confined areas, the public health impacts associated with GHGs are primarily those associated with their combined influence on climate change. Climate change and its effects are responsible for a wide range of potential hazards to public health, both direct and indirect. Direct health impacts resulting from climate change include heat-related illnesses, such as heat stroke, as well as injuries and death from natural disasters and extreme weather, such as wildfires. Climate change is also associated with indirect adverse health impacts, such as:

- Exacerbation of cardiovascular and respiratory disease due to increased smog and wildfire smoke.
- Increased rates and expanding geographic ranges of vector-borne and fungal diseases.
- Nutrition consequences associated with food insecurity worsened by decreased agricultural production.
- Mental trauma related to extreme weather disasters and other mental health impacts due to climate change-related unemployment, income loss, home loss, or displacement.[50]

According to the California Air Resources Board, while climate change is one of the greatest public health threats of the twenty-first century, action to address climate change presents one of the most significant opportunities to improve public health, both globally and in California.[51]

4.2 Regulatory Setting

The following section outlines regulatory actions being taken to address climate change and reduce GHG emissions at the international, federal, state, and regional levels.

4.2.1 International

Intergovernmental Panel on Climate Change (IPCC)
The IPCC was founded in 1988 by the World Meteorological Organization (WMO) and the United Nations Environment Programme (UNEP). The organization is comprised of member governments of the WMO and UN. The mission of the IPCC is to provide scientific research to governments in order to inform climate policies.

United Nation's Framework Convention on Climate Change (UNFCCC)
The UNFCCC was signed by 154 member nations in 1992, and now has 198 members. The Convention guides the global response to climate change with the objective of stabilizing greenhouse gas concentrations at a level that would mitigate the dangerous consequences of

[50] California Air Resources Board, Draft 2022 Scoping Plan Update (May 2022), p.127.
[51] California Air Resources Board, Draft 2022 Scoping Plan Update Appendix G: Public Health.

climate change. The UNFCCC defines climate change as: "a change of climate which is attributed directly or indirectly to human activity that alters the composition of the global atmosphere and which is in addition to natural climate variability observed over comparable time periods."[52]

The UNFCCC is the parent treaty of the Kyoto Protocol and Paris Agreement. While the UNFCC sets targets for GHG concentrations, the 1997 Kyoto Protocol established binding targets for the 192 signatory parties. The Paris Agreement was adopted in 2015 as a legally binding international treaty signed by 196 parties. It aims to limit global warming to less than 2 degrees Celsius above pre-industrial levels by setting nationally determined contributions (NDCs) of increasingly ambitious climate action on 5-year cycles.[53]

4.2.2 Federal

GHG Endangerment Finding

Under section 202(a) of the Clean Air Act, the EPA determined that GHGs threaten public health and welfare, and that GHG emissions from motor vehicles contribute to this threat. The two distinct findings, signed by the EPA Administrator in December 2009, found that:

1. The Endangerment Finding: Concentrations of six greenhouse gases (carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride) in atmosphere constitute air pollution and threaten the health and welfare of the public.
2. The Cause or Contribute Finding: Emissions from new motor vehicles and motor vehicle emissions contribute to GHG concentrations in the atmosphere and thus to climate change.[54]

Mandatory Reporting of GHGs (40 CFR Parts 86, 87, 89 et al.)

The Mandatory Reporting of Greenhouses Gases rule requires reporting of greenhouse gas emissions from major fossil fuel suppliers, industrial gas suppliers, direct greenhouse gas emitters and manufacturers of heavy-duty and off-road vehicles and engines. The rule requires facilities that emit 25,000 tons or more per year (MT/yr) of GHGs to submit annual reports to the EPA.[55]

New Source Review (NSR)

The New Source Review Permitting program was established by Congress in 1977 as part of the Clean Air Act Amendments. The program requires new industrial facilities, or facilities making changes that will increase emissions significantly, to obtain permits limiting air emissions prior to construction. Permits are issues by state or local air pollution control agencies, and sometimes the EPA. The program requires that new sources meet the requirements for one or more of the following permits: Prevention of Significant Deterioration (PSD) permits, Nonattainment NSR permits, and minor source permits.

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52 United Nations Framework Convention on Climate Change, Article 1 (2).

53 United Nations Climate Change, UNFCCC Process, The Paris Agreement https://unfccc.int/process-and-meetings/the-paris-agreement/the-paris-agreement (Accessed June 2023).

54 United States Environmental Protection Agency, EPA's Endangerment Finding.

55 Federal Register, Part II Environmental Protection Agency (October 30, 2009).

4.2.3 State

Assembly Bill 32 (AB 32)

The California Global Warming Solutions Act of 2006 (AB 32) required California to adopt regulations in order to reduce their GHG emissions to 1990 levels by 2020. This represents reductions of approximately 15 percent below the emissions projected in a "business as usual" scenario. The California Air Resources Board (CARB) prepared a Scoping Plan (2008) and Update (2014) to establish the state's strategy to meet the targets set forth by AB 32. CARB reported that 1990 GHG emissions totaled 431 million metric tons (MMT) for the state of California. In 2020, statewide GHG emissions totaled 369.2 MMT of CO_2e, which is 61.8 $MMTCO_2e$ below the 2020 GHG limit pursuant to AB 32.[56] Moving forward, AB 32 requires California to maintain and continue reductions beyond 2020 and continues to require CARB to update the Scoping Plan every 5 years.

Senate Bill 32 (SB 32)

The California Global Warming Solutions Act of 2016: emissions limit (SB 32) builds on AB 32 by establishing a new goal for California's greenhouse gas reductions. SB 32 requires California to reduce GHG emissions to 40% below 1990 levels by 2030, and to reduce emissions to 80% below 1990 levels by 2050.

CARB 2022 Scoping Plan Update

The 2022 Scoping Plan provides CARB's update to the 2017 Plan. Pursuant to SB 32, the plan sets forth the state's plan to stay on track towards reducing GHG emission by at least 40% below 1990 levels by 2030. The 2022 Plan Update expands on earlier targets, establishing a new goal of reducing GHG emissions to 85% below 1990 levels by 2045. Additionally, the 2022 Plan Update establishes a path for the state to achieve carbon neutrality by 2045 through technologically feasible, cost-effective means.[57]

Senate Bill 375 (SB 375)

SB 375 directs CARB to set regional GHG emissions reduction targets. The intent of the bill is to ensure local and regional governments are involved in efforts to meet the reduction targets set forth by AB 32 and SB 32. Alignment between state and local emission reduction efforts is important particularly because regional transportation planning and housing needs allocation, factors that have a major impact on GHG emissions in California, are overseen by local elected officials. The bill encourages an integrated approach by requiring the inclusion of Sustainable Communities Strategies in regional transportation plans, synchronizing the General Plan Housing Elements update schedule to align with regional transportation planning cycles, and adding CEQA incentives for projects that align with regional plans and reduce GHG emissions.

Clean Energy and Pollution Reduction Act of 2015 (SB 350)

SB 350 establishes a state renewable energy procurement goal, increasing from 33% by 2020 to 50% by 2030. It is implemented by the California Energy Commission in conjunction with state agencies including the Public Utilities Commission and CARB. The bill also requires large utilities

[56] California Air Resources Board, California Greenhouse Gas Emissions for 2000 to 2020 (October 2022).
[57] California Air Resources Board, 2022 Scoping Plan for Achieving Carbon Neutrality (November 2022).

companies to prepare integrated resource plans (IRPs) that establish how the utilities will meet customer demands while reducing GHG emissions and increasing the use of clean energy sources.

Title 24 of the California Code of Regulations

Title 24 of the California Code of Regulations was established in 1978 and serves to enhance and regulate California's building standards. The Building Energy Efficiency Standards, Parts 6 and 11 of Title 24, are updated by the California Energy Commission (CEC) every three years.

The 2022 California Energy Code (Title 24, Part 6), which became effective on January 1, 2023, provides measures to continue reducing energy consumption in California. The 2022 Update includes regulations encouraging efficient electric heat pumps, establishing electric-ready requirements for appliances and mechanical systems in new homes, strengthening ventilation standards, as well as expanding solar photovoltaic and battery storage standards. According to the Energy Code, all single-family residential buildings, low-rise and high-rise multifamily buildings, as well as non-residential buildings such as grocery stores, offices, retail, hotels, and restaurants[58], must have a newly installed photovoltaic (PV) system. Additionally, all high-rise residential and non-residential buildings required to have PV systems must also have a battery storage system that meets the requirements provided in Section 140.10 of the Energy Code.

Title 24 also includes Part 11, the California Green Building Standards Code (CALGreen). The California Building Standards Commission first developed "green" standards in 2007 to meet the greenhouse gas reduction targets established by AB 32. The 2022 CALGreen standards, effective as of January 1, 2023, institute mandatory minimum environmental performance standards for all new construction of commercial, residential, and State-owned buildings, as well as schools and hospitals. According to CALGreen Section 4.106, all new single family and multifamily dwellings, as well as hotels, must be built with EV capable parking spaces. One and two-family dwellings must include one EV capable space per dwelling unit, and multifamily buildings and hotels must build a proportion of all provided parking to be either EV Capable or EV Ready.[59] In accordance with Section 5.106, all new non-residential developments must provide both a portion of parking spaces are that EV capable, as well as a portion of spaces with EV charging stations.

Senate Bill 97 (SB 97)

SB 97 recognized the need for state agencies to analyze GHG emissions as part of the California Environmental Quality Act project review process. The bill updated CEQA to require the Office of Planning and Research (OPR) to develop guidelines for the feasible mitigation of GHG emissions, of the effects of GHG emissions, to be transmitted to the California Air Resources Board for approval. The adopted guidelines apply to effects associated with transportation and energy consumption.

[58] High-rise multifamily and non-residential buildings requiring photovoltaic systems are listed in Table 140.10-A of the Energy Code.

[59] EV Capable refers to parking spaces which have electrical panel capacity, a dedicated branch circuit, and a raceway to support future installation of a charging station. EV Ready refers to the same conditions as EV Capable, with the addition of other electrical components as well as a receptable or blank cover to support future installation of a charging station.

Assembly Bill 1493 – The Pavley Bill
California was the first state to establish regulations that require the reduction of emissions of GHGs from motor vehicles. On September 24, 2004, the California legislature adopted the Pavley Bill that requires all motor vehicles of 2009 vintage or later to reduce their greenhouse gas emissions by about 30% by the year 2016. The second phase of the implementation for the Pavley bill was incorporated into Amendments to the Low-Emission Vehicle Program (LEV III) or the Advanced Clean Cars program. The Advanced Clean Car program combines the control of smog-causing pollutants and GHG emissions into a single coordinated package of requirements for model years 2017 through 2025. The regulation will reduce GHG emissions from new cars by 34% from 2016 levels by 2025.

Approved in November 2022, the Advanced Clean Cars II (ACC II) regulations require that all new passenger cars, trucks, and SUVs sold in California are zero emission vehicles by 2035.

4.2.4 Local

SCAQMD GHG Significance Thresholds
On December 5, 2008, the SCAQMD formally adopted a greenhouse gas significance threshold for stationary sources of 10,000 MTCO2e per year for industrial projects and 3,000 MTCO2e per year for residential and commercial projects where SCAQMD is the lead agency (SCAQMD Resolution No. 08-31). This threshold was adopted based upon a December 2008 staff report and draft interim guidance document that also recommended thresholds for all projects using a tiered approach.[60]

It was recommended by SCAQMD staff that a project's greenhouse gas emissions would be considered significant if it could not comply with at least one of the following "tiered" tests:

- Tier 1: Is there an applicable exemption?
- Tier 2: Is the project compliant with a greenhouse gas reduction plan that is, at a minimum, consistent with the goals of AB 32?
- Tier 3: Is the project below an absolute threshold (10,000 MTCO2e/yr for industrial projects; 3,000 MTCO2e/yr for residential and commercial projects)?
- Tier 4: Is the project below a (yet to be set) performance threshold?
- Tier 5: Would the project achieve a screening level with off-site mitigation?

County of Riverside Climate Action Plan Update (2019)
The County of Riverside (the County) Climate Action Plan (CAP) Update establishes the County's efforts to reduce GHG emissions in line with the targets set by Assembly Bill 32 (AB 32). The CAP is consistent with CARB's climate change scoping plan, which, pursuant to AB 32, aims for a 49% reduction below 2008 levels by 2030 and an 80% reduction below 2008 levels by 2050. As shown in **Table 4-2**, in order to meet these targets, the County would need to reduce 2030 emissions by 525,511 MT CO_2e from an adjusted business-as-usual forecast and by 2,982,947 MT CO_2e by 2050.

[60] SCAQMD, Interim CEQA GHG Significance Threshold for Stationary Sources, Rules and Plans (December 2008).

Table 4-2 Riverside County CAP Update State-Aligned GHG Emissions Reductions Targets by Year (MT CO_2e)				
Sector	**Baseline (2008)**	**2020**	**2030**	**2050**
BAU Emissions	7,012,938	5,185,305	6,368,781	11,305,026
ABAU Emissions	-	4,861,109	4,102,109	4,175,146
State-Aligned Target	-	5,960,997	3,576,598	1,192,199
Reductions from ABAU needed to meet Target	-	Target Met	525,511	2,982,947
Source: County of Riverside Climate Action Plan Update, November 2019. BAU = Business-As-Usual ABAU = Adjusted Business-As-Usual				

The CAP outlines actions to be untaken at the local level which, in conjunction with state policies, will support efforts to meet the County's emissions reduction targets. The provisions in the CAP include encouraging energy efficiency and use renewable energy, supporting the use of zero-emission vehicles, as well as increasing water conservation and waste diversion. As a result of the 2017 Settlement Agreement with the Sierra Club, Center for Biological Diversity, San Bernardino Audubon Society, and respondents (Petitioners), the 2019 CAP Update includes a number of required measures. The following County requirements are applicable to the proposed Project:

R2-T4 Electrify the Fleet

- The Settlement Agreement requires that all new residential developments install EV charging stations in the garages of each unit. The Settlement Agreement also requires that the capacity and circuits for the installation of EV charging stations are provided in the garages of all new residential developments and all new large-scale commercial buildings that are over 162,000 square feet.
- Comply with Title 24, Part 11 building code requirements for new commercial development to install EV charging stations.

R2-CE1 Clean Energy

- The Settlement Agreement requires on-site renewable energy production (including but not limited to solar) for any tentative tract map, plot plan, or conditional use permit that proposes to add more than 75 new dwelling units of residential development or one or more new buildings totaling more than 100,000 gross square feet of commercial, office, or manufacturing development. Renewable energy production shall be onsite generation of at least 20 percent of energy demand for commercial, office, industrial or manufacturing development, meet or exceed 20 percent of energy demand for multi-family residential development, and meet or exceed 30 percent of energy demand for single-family residential development.

To meet the County's GHG reduction targets, the CAP Update establishes a review process for new development projects. Provided in Appendix D of the County's CAP Update, the development review process establishes thresholds to determine the significance of project-generated GHG emissions in accordance with CEQA. Under this process, it must first be determined whether a project is subject to CEQA and will exceed the annual 3,000 MT CO_2e emission level. The 3,000 MT CO_2e threshold is based on the GHG threshold adopted by SCAQMD. If a project's annual emissions are anticipated to exceed 3,000 MT CO_2e, then the Project must either use the County's Screening Tables or must quantify and disclose the GHG emissions anticipated to result from the proposed development.

For projects not using the Screening Tables, the CAP development review process recommends the use of the California Emissions Estimator Model (CalEEMod) to quantify anticipated emissions. To determine the significance of GHG emissions, two modeling runs must be completed. The first modeling run must calculate GHG emissions at 2017 levels of efficiency, and the second modeling run must calculate GHG emissions for the efficiency levels for the project's buildout year and should include any relevant project design features and/or mitigation measures. For a project's GHG to be considered less than significant, emissions for the project's buildout year must meet or exceed a 25 percent reduction from the project's 2017 emissions.[61]

Riverside County General Plan
The County General Plan includes an Air Quality Element which sets forth policies promoting pollution control, as well as land use and transportation measures to reduce greenhouse gas emissions. The following policies from the Air Quality Element are relevant to the proposed Project:

Mobile Pollution Sources

AQ 3.4 Encourage employee rideshares and transit incentives for employers with more than 25 employees at a single location.

Stationary Pollution Sources

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, SCAB, the Environmental Protection Agency, and the California Air Resources Board.

[61] Riverside County 2019 Climate Action Plan Update, Appendix A: GHG Development Review Process Flow Chart Diagram.

Job-to-Housing Ratio

AQ 8.2 Emphasize job creation and reductions in vehicle miles traveled in job-poor areas to improve air quality over other less efficient methods.

AQ 8.4 Support new mixed-use land use patterns and community centers which encourage community self-sufficiency and containment, and discourage automobile dependency.

AQ 8.9 Promote land use patterns that promote alternative modes of travel.

GHG Emission Reduction Focus Areas

AQ 20.5 Reduce emissions from standard gasoline vehicles, through VMT, by requiring all new residential units to install circuits and provide capacity for electric vehicle charging stations.

AQ 20.6 Reduce emissions from commercial vehicles, through VMT, by requiring all new commercial buildings, in excess of 162,000 square feet, to install circuits and provide capacity for electric vehicle charging stations.

AQ 20.7 Reduce VMT through increased densities in urban centers and encouraging emphasis on mixed use to provide residential, commercial and employment opportunities in closer proximity to each other. Such measures will also support achieving the appropriate jobs-housing balance within the communities.

AQ 20.8 Reduce VMT by increasing options for non-vehicular access through urban design principles that promote higher residential densities with easily accessible parks and recreation opportunities nearby.

AQ 20.10 Reduce energy consumption of the new developments (residential, commercial and industrial) through efficient site design that takes into consideration solar orientation and shading, as well as passive solar design.

AQ 20.18 Encourage the installation of solar panels and other energy- efficient improvements and facilitate residential and commercial renewable energy facilities (solar array installations, individual wind energy generators, etc.)

5 PROJECT GREENHOUSE GAS IMPACT

5.1 Introduction

The following section analyses the greenhouse gas emission impacts associated with buildout of the proposed Project.

5.2 Standards of Significance

According to the 2022 CEQA Guidelines (*Appendix G: Environmental Checklist*), the project would have a significant effect on greenhouse gases if the Proposed Project were to:

a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment.

b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases.

5.3 Methodology

The Project will generate GHG emissions during both the construction and the operational phases. Construction and operational GHG emissions were projected using California Emissions Estimator Model (CalEEMod) Version 2022.1. CalEEMod is a computer program that can be used to estimate future air quality and GHG emissions associated with land development projects in California. The model projects the generation of GHG emissions based on land use factors. CalEEMod output tables are provided in **Appendix A** of this report.

The following analysis is based on proposed land uses and traffic trip information provided by Urban Crossroads, Inc. (2023). The Project proposes the development of the 619.1±-acre site to include a mix of uses centered around a 223.1±-acre equestrian center. Supporting residential uses will include 132 units of estate residential, up to 390 units of attached and detached single family homes, up to 500 units of workforce housing and 320 RV spaces. Additionally, a resort tourism portion of the site will increase up to 340 resort condos, an approximately 150-key hotel, and 50,000 square feet of resort retail. Up to an additional 150,000 square feet of local-serving retail will also be provided. GHG emissions are projected based on the estimated conditions during the October to April event season at the equestrian center, when the Project will be busiest.

The Project would provide for neighborhood commercial services and on-site workforce housing, both of which, once built, will serve to reduce post-construction vehicle trips and vehicle miles traveled (VMTs). The subject property is located away from existing urban centers and services but in an area that is becoming progressively more urban.

The Project will also require construction of a 5-million-gallon (mg) water tank on the CVWD Middleton Reservoir site. Construction of the water tank is expected to occur over a 12-month period. Construction would include grading, construction of the tank, and the application of architectural coatings. To accommodate the proposed 5 mg tank on the Middleton Reservoir site,

the northly portion of the existing berm will be shifted approximately 35 feet further north. The new reservoir will be approximately 163.1 feet in diameter, and a portion of the tank will be constructed sub-grade. Grading is expected to involve 11,900 cubic yards (CY) of earthwork, including 7,500 CY of cut, 4,400 CY of import, and 10,800 CY of fill. GHG emissions resulting from construction of the water tank were included in the CalEEMod run for the proposed Project. Operation of the proposed water reservoir would not generate GHG emissions beyond those already accounted for in the Project's operational energy and water demand emissions.

Due to limitations in the land use options available in CalEEMod, not all uses proposed by the Project had corresponding options in the model. Where an equivalent land use was not available, a similar use was used in its place, and trip rates and other inputs were adjusted as needed. **Table 3-1** shows the land use parameters inputted to CalEEMod.

As described in Section 3 of this report, where the proposed land use was replaced with a similar CalEEMod category for analysis purposes, adjustments were made in the model to represent the intended use more accurately. For example, where Mobile Home Park was use in place of the proposed workforce housing and RV park, trip rates were adjusted per the Project-specific TIA. Likewise, trip rates were also adjusted for the Strip Mall land use in order to better represent the proposed specialty retail for the equestrian center. As described in greater detail in the TIA, these trip rates account for the internal capture of trips that will from interactions between Project Planning Areas at full buildout. According to the Traffic Impact Analysis, 18,939 weekday trips, 21,523 Saturday trips, and 19,995 Sunday trips would be generated during operation of the Project at full buildout.

The Unrefrigerated Warehouse land use in CalEEMod was used to represent the proposed equestrian center barns. The corresponding trip rates were adjusted based on traffic count data collected at the existing Desert International Horse Show facility, as provided in the Project-specific TIA. Operational energy use was also adjusted to account for no natural gas connections in the barns or RV parking spaces.

It is also assumed that the Project will comply with the Title 24 requirements for the provision of photovoltaic systems on new single and multifamily residential buildings and on most new commercial buildings.

For projects with annual GHG emissions exceeding 3,000 MT CO_2e, the CAP Update provides two methods for determining significance: completion of the CAP's screening tables or the calculation and comparison of Project operational GHG emissions for the years 2017 and 2032.

According to Appendix D of the Riverside County 2019 CAP, the efficiency levels for 2017 should be modeled using "emission factors found in the latest version of the California Climate Action Registry (CCAR) General Reporting Protocol (CCAR, January 2009) and guidance in the Association of Environment Professionals' (AEP) White Paper: Community-Wide Greenhouse Gas Emissions Inventory Protocols (AEP 2010). Quantification of emissions from electricity used for potable water treatment and transportation as well as wastewater transport and treatment can be found in the California Energy Commission (CEC) document titled Refining Estimates of Water-Related

Energy Use in California (CEC, December 2006).” (Riverside County CAP, Appendix D, March 2019). However, CalEEMod Version 2022.1 provides reported emission factors for the various utility companies as early as 2019, which is a current and more accurate source for utility-specific emission factors. Therefore, CalEEMod’s 2019 reported emission factors were used to model efficiency levels for 2017. It should be noted that efficiency levels in 2019 would have been greater than 2017, meaning the 2017 emission estimates provided herein may be undercounted.

5.4 Construction Emissions

Construction activities will result in short-term GHG emissions associated with the operation of construction equipment, vehicle emissions from construction employee commutes, material hauling, and other ground disturbing activities.

For analysis purposes, it is assumed that Project construction would occur over a seven-year period, with an operational year of 2032.[62] Construction would be phased as follows:

- Demolition: 1/1/2026 to 2/11/2026, 30 days
- Site Preparation: 2/12/2026 to 3/1/2027, 273 days
- Grading: 6/1/2026 to 6/30/2027, 283 days
- Building Construction: 7/1/2027 to 12/1/2032, 1,415 days
- Paving: 7/1/2027 to 12/1/2032, 1,415 days
- Architectural Coating: 7/1/2028 to 12/1/2032, 1,153 days

The same construction phase durations were used for the 2017 model run:

- Demolition: 1/1/2011 to 2/11/2011, 30 days
- Site Preparation: 2/12/2011 to 3/1/2012, 273 days
- Grading: 6/1/2026 to 6/30/2012, 283 days
- Building Construction: 7/1/2012 to 12/1/2017, 1,415 days
- Paving: 7/1/2027 to 12/1/2012, 1,415 days
- Architectural Coating: 7/1/2013 to 12/1/2017, 1,153 days

There are currently no construction-related GHG emissions thresholds for projects of this nature. Therefore, construction-related GHG emissions were amortized over a 30-year period and added to the annual operational emissions. For an assumed buildout in 2017, the Project is projected to generate 30,326 metric tons of CO_2e over the seven-year construction period. For buildout in 2032, the Project is estimated to generate 24,954 metric tons of CO_2e over the seven-year construction period. This includes construction of the proposed off-site water reservoir. The combined construction and operation emissions for the 2017 and 2032 modeling runs were compared, per the CAP Update significance threshold.

[62] For analysis purposes, CalEEMod was run for the Project assuming a seven-year buildout and an operational year of 2032 based on the estimated buildout year provided in the approved Traffic Impact Analysis (TIA), prepared for the Project by Urban Crossroads, Inc.

5.5 Operational Emissions

Once the Project reaches the operational phase, five categories of emissions will contribute to its annual GHG emissions either directly or indirectly: area emissions (e.g., pavement and architectural coating off-gassing), energy use, mobile source emissions, solid waste disposal, and water use. Because emissions associated with water supplied to the proposed development are accounted for in the Project's operational GHG emissions, operation of the off-site water reservoir will not generate any additional emissions.

The following operational mitigation measures were selected in CalEEMod to reduce greenhouse gas emissions.

- Provide electric vehicle charging infrastructure. This measure is required by Title 24.
- Provide bike parking. This measure is qualitative and emission reductions are not included in the mitigated emissions result.
- All commercial/industrial loading docks shall be electrified, and transport refrigeration units (TRUs) and auxiliary power units (APUs) shall be plugged into the electric dock instead of running on diesel.
- 2022 Title 24 building standards improve upon the 2019 Title 24 building envelop efficiency standards by an average of 10%.[63]
- Require energy efficient appliances in all new residential and commercial developments.
- Require all new development install solar, providing at least of at least 20% of energy demanded for commercial, office, industrial, and multi-family development, and at least 30% of energy demanded for single-family residential development (Riverside County CAP Measures R2-CE1).
- Public street and area lighting shall use high efficiency lighting, such as LED lighting.
- Design water-efficient landscapes. Assumes most residential and commercial landscaping will be drought tolerant landscaping with a low water demand requiring a drip system, with the exception of the equestrian center which will include large grass areas. This is a proposed design feature of the Project.

As stated above, GHG emissions from construction of the Project were amortized over a 30-year period and added to the total operational emissions. **Table 5-1** and **5-2** show a summary of the total annual construction and operational GHG emissions projected for buildout of the Project in 2017 and 2032, respectively.

As shown in **Table 5-1**, the modeling run for hypothetical buildout in 2017 found that the Project would generate a total of 40,146 metric tons of CO_2e per year. As shown in **Table 5-2**, below, the modeling run for buildout in 2032 found that the Project would generate 28,605 metric tons of CO_2e per year, which is a 28.7 percent reduction from 2017.

[63] The 2022 Energy Code will reduce net CO2 emissions by 142,858 metric tons per year compared to the 2019 Energy Code. This is a 20% increase from the 2019 title 24 energy savings of approximately 700,000 metric tons annually. For analysis purposes, a 10% efficiency improvement is assumed. Source: file:///Users/mac09/Downloads/FS.NR%20Bldgs.2022.pdf

Table 5-1 Projected GHG Emissions Summary (2017 Buildout)	
Phase	**CO2e (MT/YR)**
Construction	
2011	1,156
2012	3,041
2013	5,167
2014	5,410
2015	5,370
2016	5,339
2017	4,843
Total Construction	**30,326**
Operation	
Area	238
Energy	8,309
Mobile	29,032
Waste	711
Water	786
Refrigerants	59
Construction: 30-year amortized	1,011
Total Operational	**40,146**

Table 5-2 Projected GHG Emissions Summary (2032 Buildout)	
Phase	**CO2e (MT/YR)**
Construction	
2026	1,144
2027	2,603
2028	4,294
2029	4,428
2030	4,348
2031	4,272
2032	3,865
Total Construction	**24,954**
Operation	
Area	228
Energy	4,672
Mobile	21,532
Waste	711
Water	571
Refrigerants	59
Construction: 30-year amortized	832
Total Operational	**28,605**

5.6 CAP Consistency

The California Air Resources Board (CARB) 2022 Scoping Plan puts forward the ambitious target of achieving carbon neutrality in state-wide emissions by 2045 or earlier. This plan builds on the efforts of CARB's three previous scoping plans, which established goals to meet 1990 levels by 2020 and 40 percent below 1990 levels by 2030, in compliance with Senate Bill 32 (SB 32). The 2022 Scoping Plan Update aims to further reduce anthropogenic emissions in California to 85 percent below 1990 levels by 2045.[64]

The County of Riverside 2019 Climate Action Plan (CAP) Update provides the County's strategy for reducing GHG emissions pursuant to State GHG reduction policies, including AB 32 and SB 32, as well as the CARB Scoping Plan. The 2019 CAP Update provides measures to meet the State targets of 49% below 2008 baseline levels by 2030 and 80% below baseline levels by 2050. To meet the emissions reductions targets provided by the State at the time that the CAP Update was written, the County would need to reduce emissions in 2030 by 545,511 MT CO_2e from the adjusted business-as-usual (ABAU) forecast and by 2,982,947 MT CO_2e from the ABAU forecast by 2050.

The 2019 CAP Update also provides screening process and significance thresholds for new developments to ensure CEQA compliance. The development review process provided in the CAP Update was designed based on the GHG Inventory, Forecasting, and Target-Setting Report (Appendix A of the CAP Update), as well as the GHG reduction measures provided in the report. As discussed in Section 5.8, the CAP Update development review process determined that the Project would have less than significant impacts on GHG emissions. Therefore, it can be determined that the Project would not conflict with the County or State GHG emissions reduction plans.

The CAP Update also provides required measures for new developments. Some of these measures are a result of the partial settlement agreement resulting from the challenge to the 2015 CAP, which required the County to implement additional requirements in the CAP Update. For example, pursuant to measure R2-CE1, any tentative tract map, plot plan, or conditional use permit proposing 75 new residential units or commercial buildings totaling 100,000 square feet must install on-site renewable energy systems.[65] The CAP Update also requires that new developments comply with regulations in Title 24, Part 11, establishing the number of EV-capable parking spaces and/or EV charging stations required for residential and non-residential developments. The proposed Project must comply with these and other applicable requirements provided in the CAP Update.

Overall, the Project will conform with the development review process, and therefore with the emissions reduction targets, provided in the CAP Update.

[64] California Air Resources Board 2022 Scoping Plan Update.
[65] County of Riverside Climate Action Plan Update, November 2019.

5.7 Cumulative Impacts

Due to their dispersing natural and aggregate regional impacts, greenhouse gases are analyzed in terms of cumulative impacts. The above analysis considered the potential cumulative impacts of the Project on greenhouse gas emissions in the Riverside County portion of the Salton Sea Air Basin, using the significance criteria provided by the County. The County's CAP Update was prepared with consideration to the state greenhouse gas reduction plans and targets.

While the Project will contribute to cumulative greenhouse gas emissions in the Coachella Valley, conformance to the County significance thresholds indicates that impacts will be less than significant. Furthermore, all future development projects occurring in the County will also be subject to the development review process provided in the CAP Update, as well as other local and regional standards and requirements, as applicable. The Project's impacts are therefore not anticipated to be cumulatively considerable.

5.8 CEQA Determination

a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment.

Appendix D of the Riverside County CAP Update provides screening tools and significance thresholds in order to facilitate CEQA compliance for new development. Under the development review process in the CAP Update, a project can be screened from GHG analysis if it is exempt under CEQA or if the project's GHG emissions would be less than 3,000 MT CO_2e per year. The 3,000 MT CO_2e threshold is based on the SCAQMD adopted GHG threshold. According to Table C-A of Appendix C of the County's CAP Update, typical project sizes that would generate less than 3,000 MT CO_2e per year include 80 single-family units, or 120 condominium units, or 160,000 square feet of commercial space. Given that the Project far exceeds these size thresholds and is subject to an Environmental Impact Report (EIR), it is eligible for neither screening criteria.

For projects with annual GHG emissions exceeding 3,000 MT CO_2e, the CAP Update provides two methods for determining significance: screening tables or calculation of GHG emissions. Screening tables may be used to assign a score based on the number of GHG reduction design features that will be integrated into the project. Both methods of analysis were used to assess Project impacts.

<u>Method 1: Screening Tables</u>
Appendix D of the County CAP Update, titled Greenhouse Gas Emissions Screening Tables, provides guidance on how to analyze GHG emissions and determine the significance of those emissions during CEQA review of proposed development projects with the County. Appendix B of this report includes the completed Screening Tables prepared for the Project. The CAP provides separate Screening Tables for residential and commercial/industrial developments. For mixed-use projects, both tables must be filled out, but the points must be weighted in proportion to the proposed mix of uses. In the case of the proposed Project, it was assumed for the purpose of analysis that the mix of uses is approximately 50 percent residential and 50 percent commercial.

As such, the points for each table were calculated, then multiplied by 0.50 to adjust for the mix of uses.

The Project gained points in the residential and commercial Screening Tables for design features proposed in the Thermal Ranch Specific Plan and required by the most recent Title 24 regulations and with required measures in the CAP. Before weighting, the Project garnered a subtotal of 139 points in Table 1, Screening Table for Residential Development, and a subtotal of 110 points in Table 2, Screening Table for Commercial Development. Weighting the points for 50 percent residential and 50 percent commercial uses, the proposed mixed-use development garnered a total of 124.5 points. According to the CAP, mixed-use projects that garner at least 100 points will be consistent with the reduction quantities in the County's CAP Update and would be considered less than significant for GHG emissions. It can therefore be concluded that, based on the Screening Tables provided in the Riverside County CAP Update, the proposed Thermal Ranch Specific Plan would have less than significant impacts for GHG emissions.

Method 2: Emissions Calculation

Per the CAP Update's CEQA thresholds guidelines, projects should complete two modeling runs in CalEEMod. The first run should calculate GHG emissions at 2017 levels of efficiency, including application of 2017 energy efficiency standards and on-road vehicle emissions factors. The second modeling run should calculate GHG emissions at the project's buildout year levels of efficiency, and should include mitigation measures as needed. As provided in the Approach to Implementation of GHG Development Review flow chart,[66] a project's GHG emissions are less than significant if the annual emissions calculated for the project's buildout year are reduced by at least 25 percent from the annual emissions calculated for 2017.

According to the CAP Update GHG Development Review Process, after conducting project-specific emissions quantification, emissions can be determined to be less than significant if buildout year emissions will be reduced from 2017 emissions by 25 percent. As shown in **Table 5-3**, the Project's emissions modeled for buildout in 2032 would be reduced by 28.7 percent from the emissions projected for 2017. Therefore, based on the project-specific quantification method of development review provided in the CAP Update, the Project's GHG emissions are less than significant.

Table 5-3
GHG Emissions Significance

Buildout Year	2017	2032	Percent Change
Annual Emissions (CO_2e MT/YR)	40,146	28,605	**-28.7%**
Emissions reduction of 25% or greater?			**Yes**

Source: CalEEMod Version 2022.1.

[66] Appendix D of the Riverside County Climate Action Plan Update, Appendix A: GHG Development Review Process Flow Chart Diagram, March 2019.

b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases.

Based on the development review process provided in the County of Riverside 2019 Climate Action Plan (CAP) Update, the Project would have less than significant impacts related to GHG emissions. The development review process was developed based on the reduction targets and GHG reduction measures provided in the CAP Update. The CAP Update provides the County's strategy for reducing GHG emissions pursuant to State GHG reduction policies, including AB 32 and SB 32, as well as the CARB Scoping Plan. Given that the Project adheres to the targets set in the CAP Update, it can therefore be determined that it would not conflict with the state Plans for the reduction of GHG emissions. Project impacts are therefore anticipated to be less than significant.

5.9 GHG Mitigation Measures

The Project's impacts related to GHG emissions will be less than significant. While mitigation is not required, Mitigation Measures **GHG-1** and **GHG-6** are provided to ensure future development projects apply energy efficient building strategies to reduce GHG emissions to the greatest extent practicable.

GHG-1 **Solar Energy Requirements**
As required by Measure R2-CE1 of the Riverside County CAP Update, the project will generate on-site renewable energy providing at least 20% of energy demanded for commercial, office, industrial, and multi-family development, and at least 30% of energy demanded for single-family residential development. As required by 2022 Title 24 building standards, all new residential builds shall install solar panels.

GHG-2 **Electric Vehicle Charging**
Provide electric vehicle charging infrastructure in both commercial parking lots and residential garages.

GHG-3 **Energy Efficient Appliances and Equipment**
All new residential and commercial construction shall install energy efficient appliances that are ENERGY STAR-certified. The project shall 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 (General Plan AQ Policy 4.2)

GHG-4 **Loading Dock Electrification**
All commercial and industrial loading docks shall be electrified, and transport refrigeration units (TRUs) and auxiliary power units (APUs) shall be plugged into the electric dock instead of running on diesel.

GHG-5 Public Lighting

Public street and area lighting shall use high efficiency lighting, such as warm temperature LED lighting, consistent with guidelines of the International Dark Sky Association.

GHG-6 Water-Efficient Landscapes

Design water-efficient landscapes. Assumes most residential and commercial landscaping will be drought tolerant landscaping with a low water demand requiring a drip system, with the exception of the equestrian center which will include large grass areas. This is a proposed design feature of the Project.

6 PROJECT ALTERNATIVES

6.1 Alternative A

Alternative A proposes the same mix of uses as the Project, but with increased residential units and commercial square footage. As described for the Project in Section 3.3, not all proposed land uses are available as land use categories in CalEEMod. Where an equivalent land use was not available, a similar use was used in its place, and trip rates and other inputs were adjusted as needed. **Table 6-1** shows the land uses inputted to CalEEMod for Alternative A, with the trip rates as adjusted based on the Traffic Impact Analysis prepared for the Project.

6.1.1 Alternative A Air Quality Impacts

a) Conflict with or obstruct implementation of the applicable air quality plan?

Alternative A proposes a higher residential density and commercial intensity than the Project. Like the proposed Project, Alternative A would be subject to the provisions of the SCAQMD 2022 Air Quality Management Plan (2022 AQMP) as well as the 2003 Coachella Valley PM_{10} State Implementation Plan (2003 CV PM_{10} SIP).

The Growth Management chapter of Regional Transportation Plan / Sustainable Communities Strategy (RTP/SCS) prepared by the Southern California Association of Governments (SCAG) the basis for the land use and transportation controls of SCAQMD air quality plans. Projects that are consistent with projections of population forecasts are considered consistent with the AQMP.

As described in greater detail for the Project, Alternative A proposes the mixed-use development of a site currently designed for agriculture and thus has the potential to exceed the growth forecasts underlying the AQMP, and as a result, could conflict with the implementation of the air quality plan. Given that Alternative A proposes more residential units, commercial space, and hotel keys than the proposed Project, it too would have the potential to conflict with the applicable air quality plan.

Alternative A also has the potential to conflict with or obstruct the implementation of applicable air quality plans due operational emissions in exceedance of the SCAQMD Maximum Daily Operational-Related Emissions thresholds. As shown in **Table 6-2**, under significance threshold b), Alternative A is projected to generate emissions exceeding the daily maximum thresholds for CO, NO_x, ROG, and PM_{10}. These emissions are predominantly the result of mobile sources, except for emissions of ROG, which exceed due to both mobile and area sources. As discussed in greater detail for the Project in Section 3.10(b), due to a variety of factors, the mobile and area source emissions resulting from operation of the Project cannot be feasibly reduced through enforceable or quantifiable mitigation measures. Likewise, operational emissions resulting from Alternative A cannot be confidently reduced through the implementation of mitigation measures.

To the greatest extent practicable, Alternative A will still be required to comply with all applicable air quality management plans, SCAQMD regulations, and County General Plan policies pertaining to air quality. However, due to the proposed increase in land use intensity and projected exceedance of SCAQMD emissions thresholds, development of Alternative A could potentially conflict with or obstruct implementation of the AQMP. Impacts would be potentially significant.

Table 6-1
Alternative A – CalEEMod Land Use Assumptions

Planning Area	Land Use (proposed)	Land Use (CalEEMod)	Acreage	Dwelling Units	Commercial SF	Other	Weekday Trip Rate[1]	Saturday Trip Rate[1]	Sunday Trip Rate[1]
1	Equestrian Center (barns)	Unrefrigerated Warehouse – No Rail	182.43			597,800 SF	0.7	1.24	1.25
	Equestrian Center (commercial)	Strip Mall	1.72		75,000		35.97	41.45	24.79
	Equestrian Center (office)	General Office Building	0.23			10,000 SF	10.84	2.21	0.70
2	Estate Residential	Single Family Housing	263.80	993			7.47	8.09	5.00
3	Single Family Attached/Detached								
4a	Workforce Housing	Mobile Home Park	18.30	500			1.94	2.58	1.94
4b	Equestrian RV Park	Mobile Home Park	22.80			320 RV spaces	1.94	2.95	1.94
5	Resort Condos	Condo/Townhouse High Rise	42.10	505			6.74	7.69	4.09
	Hotel	Hotel	8.10			300 rooms	12.23	14.38	10.51
	Resort Retail	Regional Shopping Center	25.60		260,000		30.49	32.11	21.10
6	Commercial Retail								
Project-wide	Perimeter ROW	Other Asphalt Surfaces	15.30				0.00	0.00	0.00
	--	Parking Lot	38.72			4,302 spaces	0.00	0.00	0.00
Off-Site Water Reservoir		User Defined Industrial	13.6			20,867 SF	0.00	0.00	0.00
		TOTALS:	632.7	1,998	335,000	--	**25,490 trips**	**28,722 trips**	**18,596 trips**

[1] Thermal Ranch Specific Plan Traffic Analysis, prepared by Urban Crossroads, Inc. (May 2023), Section 4.1.

b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?

Alternative A proposes a higher density and intensity of residential and commercial development than the proposed Project. The development proposed under Alternative A would release criteria air pollutants during construction and operations.

Construction

Given that Alternative A proposes the development of up to 636 more dwelling units and 60,000 square feet more commercial space than the Project, construction is assumed to occur over a longer period. Construction of Alternative A would occur over a seven-year period, concluding in 2032. The construction phase would include demolition of the existing agricultural sheds and structures, site preparation, grading, paving, building construction, and the application of architectural coatings. As shown in **Table 6-2**, the emissions generated by the construction of Alternative A would not exceed the SCAQMD thresholds for CO, NO_x, ROG, SO_x, PM_{10}, or $PM_{2.5}$.

Table 6-2
Alternative A - Maximum Daily Construction-Related Emissions Summary
(pounds per day)

Construction Emissions	CO	NO_x	ROG	SO_2	PM_{10}	$PM_{2.5}$
Daily Maximum	204	48.4	38.6	0.16	34.3	8.77
SCAQMD Threshold	550	100	75	150	150	55
Exceeds?	No	No	No	No	No	No

1. Emissions show mitigated conditions, consistent with mitigation applied to the proposed Project.

As shown in the above table, construction of Alternative A is not expected to exceed the SCAQMD daily emissions thresholds for any criteria pollutants. Impacts related to the construction of Alternative A would therefore likely be less than significant.

Operations

Table 6-3 shows the emissions expected to result from the operation of Alternative A. Operational emissions include area source emissions (e.g., pavement off-gassing), emissions from energy demand (e.g. electricity) and mobile source emissions (e.g. vehicle trips). As previously stated, the trip rates for Alternative A are based on the TIA prepared for the Project by Urban Crossroads, Inc.

As shown in the below table, the long-term operations of Alternative A are not expected to exceed the SCAQMD maximum daily emissions threshold for SO_x. The proposed development is, however, expected to result in emissions exceeding the daily threshold for CO, NO_x, ROG, PM_{10}, and $PM_{2.5}$.

Table 6-3 Alternative A - Maximum Daily Operational-Related Emissions Summary (pounds per day)						
Construction Emissions	CO	NO_x	ROG	SO_2	PM_{10}	$PM_{2.5}$
Daily Maximum	1,071	119	203	2.48	212	56.6
SCAQMD Threshold	550	55	55	150	150	55
Exceeds?	Yes	Yes	Yes	No	Yes	Yes
1. Emissions show mitigated conditions, consistent with mitigation applied to the proposed Project.						

Given that operation of the proposed development would exceed the District's daily thresholds for CO, NO_x, ROG, PM_{10} and $PM_{2.5}$, the impacts of Alternative A on air quality would be potentially significant. CO, NOx, and PM emissions resulting from Alternative A are predominantly due to mobile sources. ROG emissions are predominantly the result of mobile and area source emissions. While, as described for the proposed Project, mitigation measures **AQ-5** and **AQ-6** recommend the use of low-VOC consumer products and electric landscaping equipment, adoption of such actions would be at the discretion of residents and tenants of the development. Likewise, the proposed development has been designed to minimize vehicle miles traveled within the Project, and measures to substantially reduce external trips would not be feasible. Due to these factors, mitigation measures cannot be applied and enforced to Alternative A such that operational emissions of CO, NOx, ROG, PM_{10} and $PM_{2.5}$ can confidently and quantifiably be reduced to less than significant levels.

The proposed equestrian center would be required to implement mitigation measure **AQ-4**, which requires an operational Fugitive Dust Control Plan to reduce PM_{10} and $PM_{2.5}$ emissions. However, most of the PM_{10} emissions resulting from Alternative A are from mobile sources, which would not necessarily be mitigated by the proposed Fugitive Dust Control Plan. Alternative A would nonetheless exceed the SCAQMD thresholds for daily criteria pollutant emissions.

The proposed development site is located in a non-attainment area for PM_{10}, as well ozone, for which precursors include CO, NOx, and ROG. As discussed above, the emissions associated with the operation of Alternative A would exceed the District's project-specific thresholds for PM_{10} as well as the three ozone precursors. The contributions associated with Alternative A to regional non-attainment for particulate matter and ozone would therefore be cumulatively considerable.

c) Expose sensitive receptors, which are located within one (1) mile of the project site, to substantial pollutant concentrations?

The potential for a project to generate significant localized air quality impacts adversely affecting sensitive receptors can be determined through the analysis of Localized Significance Thresholds (LST). Sensitive receptors land uses include, but are not limited to, schools, churches, residences, hospitals, day care facilities, and elderly care facilities. The nearest sensitive receptors to the subject site are the residential properties on Tyler Street.

According to SCAQMD, the analysis of LSTs is voluntary and designed for projects that are less than or equal to five acres.[67] Buildout of the Alternative A will eventually involve disturbance of the entire 619.1±-acre site, over the course of at least seven years. However, while the total development area greatly exceeds 5 acres, the area of daily disturbance (for purposes of LST analysis only) would be limited to 5 acres or less per day at any given location on-site. As such, the SCAQMD 5-acre look up table is appropriate under the District's methodology to screen for potential localized air quality impacts.[68]

A special modeling run in CalEEMod was conducted for Alternative A to determine the potential construction emissions resulting from buildout of Planning Area 3 (PA-3). PA-3 proposes the development of 605 units of attached single family housing on the east side of the subject site, adjacent to Tyler Street.

Alternative A does not include major stationary polluters such as a landfill, chemical plant, or refinery, and therefore LST analysis was not conducted or required for the development's operations.

The SCAQMD Mass Rate LST Look-up Tables were used to determine if Alternative A would result in significant adverse localized air quality impacts during construction. The LST Look-Up Table for SRA 30 (Coachella Valley) was used to established thresholds. Given that the residences on Tyler Street are approximately 50 feet (15.24 meters) from the boundary of the subject site, the shortest available receptor distance of 25 meters was used. **Table 6-4** shows the construction emissions of CO, NO_x, PM_{10}, and $PM_{2.5}$ projected to result from Alternative A, compared to the SCAQMD localized significance thresholds.

Table 6-4
Alternative A - Localized Significance Thresholds (25 Meters, 5 Acres)
(lbs per day)

	CO	**NO_x**	**PM_{10}**	**$PM_{2.5}$**
Construction[1]	49.71	29.24	9.13	5.13
LST Threshold	2,292	304	14	8
Exceeds?	No	No	No	No

[1] Construction emissions based on special model run for Planning Area 3 only, assuming a maximum area of daily disturbance of 5 acres.

As shown in the above table, the construction of Alternative A would not exceed the LSTs for CO, NO_x, PM_{10}, or $PM_{2.5}$. It can therefore be concluded that the construction of Alternative A would not have significant localized air quality impacts on the existing residences on Tyler Street.

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67 South Coast Air Quality Management District, Localized Significance Thresholds http://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook/localized-significance-thresholds (accessed April 2023).

68 South Coast Air Quality Management District, Fact Sheet for Applying CalEEMod to Localized Significance Thresholds, http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/caleemod-guidance.pdf (accessed April 2023).

Given that Alternative would potentially be constructed in phases, it is possible that sensitive land uses built on-site in earlier phases may be impacted by criteria pollutants emitted during the construction of subsequent phases. However, LSTs were analyzed using the most intensive proposed land use and the minimum receptor distance to provide a conservative assessment of potential impacts. Therefore, provided no more than 5-acres are disrupted per day during construction, then the results in **Table 6-4** are applicable to construction and receptors within the development.

Future sensitive receptors could also be constructed within the vicinity of the proposed development, prior to the completion of the construction of all planning areas. However, because the construction LSTs were projected using the worst-case scenario, then findings in **Table 6-4** are still applicable. It can therefore be determined that Alternative A would not generate significant adverse localized air quality impacts affecting sensitive receptors.

d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Like the proposed Project, Alternative A would have the potential to result in short-term odors associated with the operation of heavy equipment during grading, building construction, and other construction activities. These odors would be temporary and would quickly disperse below detectable levels with increased distance from the construction area.

During operations, residential and most commercial uses would not generate significant odors. The proposed restaurants would have the potential to generate odors, however, plan review by the County Department of Environmental Health would ensure that adequate ventilation is provided in cooking areas to minimize the potential emission of nuisance odors.

The sewer lift station proposed for PA-4 of the development could result in the emission of odors. However, the proposed lift station will be underground, and built to industry standards including ventilation and other odor control measures, to ensure that impacts resulting from potential emissions would be less than significant.

Operation of the equestrian center (PA-1) could also result in the emission of nuisance odors, particularly as a result of animal waste. However, as described in Section 2.5.6(d), the daily removal of manure would reduce potential nuisance odors related to the equestrian center to less than significant levels. Overall, impacts related to odors and other emissions would be less than significant.

6.1.2 Alternative A GHG Impacts

a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment.

Construction
Construction activities will result in short-term GHG emissions associated with the operation of construction equipment, vehicle emissions from construction employee commutes, material hauling, and ground disturbing activities, occurring over the demolition, site preparation, grading, construction, paving, and architectural coating phases. **Table 6-5** shows that for buildout of Alternative A in 2017, 37,692 metric tons of CO_2e would have been emitted over the seven-year construction period. For buildout in 2032, **Table 6-6** shows that 30,831 metric tons of CO_2e would have been emitted over seven-years for the construction of Alternative A.

There are currently no emissions thresholds for construction-related GHG emissions. Instead, total GHG emissions resulting from construction were amortized over a 30-year period and added to the annual operational emissions.

Operations
During the operational phase of Alternative A, five categories of emissions will contribute to the total annual GHG emissions. These include: (1) area emissions (e.g. pavement and architectural coating off-gassing), (2) energy use, (3) mobile source emissions, (4) solid waste disposal, and (5) water use. As stated above, GHG emissions from construction of the proposed development were amortized over a 30-year period and added to the total operational emissions.

As with the proposed Project, Alternative A's GHG emission impacts were assessed using both methods of analysis described in the County's CAP: screening tables and calculation of GHG emissions.

Method 1: Screening Tables
Alternative A proposes a greater land use intensity but would result in the same mix of uses as the proposed Project and would be subject to the same development standards in the Thermal Ranch Specific Plan. The residential and commercial screening table calculations in Appendix B would apply to Alternative A for design features proposed in the Thermal Ranch Specific Plan and requirements of the most recent Title 24 regulations and required measures in the CAP. Before weighting, Alternative A would garner a subtotal of 139 points in Table 1, Screening Table for Residential Development, and a subtotal of 110 points in Table 2, Screening Table for Commercial Development. Weighting the points for 50 percent residential and 50 percent commercial uses, Alternative A's mixed-use development garnered a total of 124.5 points. According to the CAP, mixed-use projects that garner at least 100 points will be consistent with the reduction quantities in the County's CAP Update and would be considered less than significant for GHG emissions. It can therefore be concluded that, based on the Screening Tables provided in the Riverside County CAP Update, Alternative A would have less than significant impacts for GHG emissions.

Method 2: Emissions Calculation
Per the CAP Update's CEQA thresholds guidelines, projects should complete two modeling runs in CalEEMod. The first run should calculate GHG emissions at 2017 levels of efficiency, including application of 2017 energy efficiency standards and on-road vehicle emissions factors. The second modeling run should calculate GHG emissions at the project's buildout year levels of

efficiency, and should include mitigation measures as needed. **Table 6-5** and **6-6** show a summary of the total annual construction and operational GHG emissions for buildout of Alternative A in 2017 and 2032, respectively.

Table 6-5 **Alternative A - Projected GHG Emissions Summary (2017 Buildout)**	
Phase	**CO2e (MT/YR)**
Construction	
2011	1,156
2012	3,687
2013	6,495
2014	6,802
2015	6,751
2016	6,712
2017	6,089
Total Construction	**37,692**
Operation	
Area	250
Energy	10,356
Mobile	40,754
Waste	929
Water	866
Refrigerants	116
Construction: 30-year amortized	1,256
Total Operational	**54,527**
Source: CalEEMod Version 2022.1.	

As shown in **Table 6-5**, the modeling run for buildout in 2017 found that Alternative A would generate a total of 54,527 metric tons of CO_2e per year. **Table 6-6** shows that in the case of buildout in 2032, Alternative A would generate 40,941 metric tons of CO2e per year.

Table 6-6 **Alternative A - Projected GHG Emissions Summary (2032 Buildout)**	
Phase	**CO2e (MT/YR)**
Construction	
2026	1,144
2027	3,130
2028	5,381
2029	5,548
2030	5,446
2031	5,347
2032	4,835
Total Construction	**30,831**

Table 6-6 Alternative A - Projected GHG Emissions Summary (2032 Buildout)	
Phase	**CO2e (MT/YR)**
Operation	
Area	240
Energy	6,973
Mobile	31,019
Waste	929
Water	636
Refrigerants	116
Construction: 30-year amortized	1,028
Total Operational	**40,941**
Source: CalEEMod Version 2022.1.	

According to the Riverside County CAP Update GHG Development Review Process, after conducting project-specific emissions quantification, emissions can be determined to be less than significant if buildout year emissions will be reduced from 2017 emissions by 25 percent. As shown in **Table 6-7**, Alternative A's emissions modeled for buildout in 2032 would be reduced by 26.22 percent from the emissions projected for 2017. This reduction in GHG emissions accounts for expected improvements in energy efficiency and on-road vehicle emissions from 2017, based on technological improvements and increasingly stringent regulations.

Table 6-7 Alternative A - GHG Emissions Significance			
Buildout Year	2017	2032	**Percent Change**
Annual Emissions (CO_2e MT/YR)	54,527	40,941	**-24.9%**
Emissions reduction of 25% or greater?			**No**
Source: CalEEMod Version 2022.1.			

The projected annual emissions for buildout of Alternative A in 2032 would represent a reduction of less than 25 percent than the emissions projected for buildout of the development in 2017and would therefore be significant using this analysis method alone. However, Alternative A does pass the screening tables test and is considered less than significant using that method of analysis approved by the CAP.

b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases.

The County of Riverside 2019 Climate Action Plan (CAP) Update provides the County's strategy for reducing GHG emissions pursuant to State GHG reduction policies, including AB 32 and SB 32, as well as the CARB Scoping Plan. The 2019 CAP Update provides measures to meet the State emissions targets of 49 percent below 2008 baseline levels by 2030 and 80 percent below

baseline levels by 2050. The 2019 CAP Update also provides screening process and significance thresholds for new developments to ensure CEQA compliance. As shown above, the CAP Update development review process determined that Alternative A would have less than significant impacts on GHG emissions. Given that the proposed development complies with the County's review process, it can be determined that it would not conflict with the GHG reduction targets established in the CAP Update.

Alternative A must comply with all required measures for new developments provided in the CAP Update, such as the installation of EV charging stations in the garage of new residential units. Alternative A must also comply with any other applicable requirements provided in the CAP Update. Overall, the targets set in the CAP Update are based on compliance with the state targets, and the development review process is based on the measures and targets provided in the CAP Update. Given that the development review process determined that the Alternative A would have less than significant impacts, it can be determined that the proposed development would not conflict with the CAP or with SB 32. Overall, impacts will be less than significant.

6.2 Alternative B

Alternative B proposes the same mix of uses as the Project, but with fewer residential units and less commercial square footage. As described for the Project in Section 3.3, not all proposed land uses are available as land use categories in CalEEMod. Where an equivalent land use was not available, a similar use was used in its place, and trip rates and other inputs were adjusted as needed. **Table 6-8** shows the land uses inputted to CalEEMod for Alternative B, with the trip rates as adjusted based on the Traffic Impact Analysis prepared for the Project.

6.2.1 Alternative B Air Quality Impacts

a) Conflict with or obstruct implementation of the applicable air quality plan?

Alternative B would be subject to the provisions of the SCAQMD 2022 Air Quality Management Plan (2022 AQMP) as well as the 2003 Coachella Valley PM_{10} State Implementation Plan (2003 CV PM_{10} SIP). This alternative proposes a lower intensity and density than the proposed Project.

As previously stated, the Growth Management chapter of the SCAG RTP/SCS forms that basis for the land use and transportation controls of SCAQMD air quality plans. Projects that are consistent with projections of population forecasts are considered consistent with the AQMP. While Alternative B proposes fewer residential units and less commercial space than the Project and Alternative A, it still proposes an increase in development intensity from the current agricultural use and designation of the subject site. It would therefore have the potential to conflict with or obstruct implementation of the AQMP.

Moreover, Alternative B is projected to result in operational emissions in exceedance of the SCAQMD daily threshold. As discussed under significance threshold b), Alternative B is projected to exceed the SCAQMD daily threshold for CO, NO_x, and ROG due to operational emissions from area and mobile sources. As described for the proposed Project and Alternative A, there are no mitigation measures that would quantifiably and confidently reduce these emissions to less than significant levels.

To the greatest extent practicable, Alternative B will still be required to comply with all applicable air quality management plans, SCAQMD regulations, and County General Plan policies pertaining to air quality. However, due to the proposed change in use of the subject site from agriculture to mixed-used development, and the resulting emissions in exceedance of the SCAQMD daily threshold, there is still potential for Alternative B to conflict or obstruct implementation of the AQMP. Impacts will be potentially significant.

Table 6-8
Alternative B – CalEEMod Land Use Assumptions

Planning Area	Land Use (proposed)	Land Use (CalEEMod)	Acreage	Dwelling Units	Commercial SF	Other	Weekday Trip Rate[1]	Saturday Trip Rate[1]	Sunday Trip Rate[1]
1	Equestrian Center (barns)	Unrefrigerated Warehouse – No Rail	182.43			597,800 SF	0.7	1.24	1.25
	Equestrian Center (commercial)	Strip Mall	1.72		75,000		35.97	41.45	24.79
	Equestrian Center (office)	General Office Building	0.23			10,000 SF	10.84	2.21	0.70
2	Estate Residential	Single Family Housing	263.80	178			7.47	8.09	5.00
3	Single Family Attached/Detached								
4a	Workforce Housing	Mobile Home Park	18.30	500			1.94	2.58	1.94
4b	Equestrian RV Park	Mobile Home Park	22.80			320 RV spaces	1.94	2.95	1.94
5	Resort Condos	Condo/Townhouse High Rise	42.10	210			6.74	7.69	4.09
	Hotel	Hotel	8.10			150 rooms	12.23	14.38	10.51
	Resort Retail	Regional Shopping Center	25.60		100,000		30.49	32.11	21.10
6	Commercial Retail								
Project-wide	Perimeter ROW	Other Asphalt Surfaces	15.30				0.00	0.00	0.00
	--	Parking Lot	38.72			4,302 spaces	0.00	0.00	0.00
Of-Site Water Reservoir		User Defined Industrial	13.6			20,867 SF	0.00	0.00	0.00
		TOTALS:	632.7	888	175,000	--	**11,648 trips**	**13,601 trips**	**9,018 trips**

1 Thermal Ranch Specific Plan Traffic Analysis, prepared by Urban Crossroads, Inc. (May 2023), Section 4.1.

b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?

Alternative B proposes development at a lower intensity and density than proposed for the Project. Alternative B would result in criteria pollutant emissions during the construction and operational phases.

Construction

Like the proposed Project, construction of Alternative B would occur over a seven-year period, concluding in 2032. The construction phase would include demolition of the existing agricultural sheds and structures, site preparation, grading, paving, building construction, and the application of architectural coatings. As shown in **Table 6-9**, construction of Alternative B would not exceed the SCAQMD maximum daily thresholds for CO, NO_x, ROG, SO_x, PM_{10}, or $PM_{2.5}$.

Table 6-9
Alternative B - Maximum Daily Construction-Related Emissions Summary (pounds per day)

Construction Emissions	CO	NO_x	ROG	SO_2	PM_{10}	$PM_{2.5}$
Daily Maximum[1]	141	48.4	21.9	0.11	22.5	7.67
SCAQMD Threshold	550	100	75	150	150	55
Exceeds?	No	No	No	No	No	No

1. Emissions show mitigated conditions, consistent with mitigation applied to the proposed Project.

Operations

Operational emissions include area source emissions (e.g., pavement off-gassing), emissions from energy demand (e.g. electricity) and mobile source emissions (e.g. vehicle trips). As previously stated, the trip rates for Alternative B are based on the TIA prepared for the Project by Urban Crossroads, Inc.

Table 6-10 shows the projected operational emissions expected to result from Alternative B. It is not expected to exceed the SCAQMD daily emissions threshold for SO_x, PM_{10}, or $PM_{2.5}$. The operation of Alternative B is, however, expected to exceed the District's daily threshold for CO, ROG and NO_x.

Table 6-10 Alternative B - Maximum Daily Operational-Related Emissions Summary (pounds per day)						
Construction Emissions	CO	NO_x	ROG	SO_2	PM_{10}	$PM_{2.5}$
Daily Maximum	559	64.6	99.1	1.30	109	29.4
SCAQMD Threshold	550	55	55	150	150	55
Exceeds?	Yes	Yes	Yes	No	No	No
1. Emissions show mitigated conditions, the same mitigation applied to the proposed Project.						

Given that the operation of Alternative B would exceed the SCAQMD threshold for CO, NO_x, and ROG, the associated impacts to air quality would be potentially significant. As discussed in Section 6.1.1(b), NOx and ROG emissions are due to area and mobile sources. Measures to reduce these emissions would be subject to the discretion of residents and tenants of the development, and therefore cannot be confidently quantified or applied as mitigation.

The proposed development site is located in a non-attainment area for PM_{10}, as well ozone, for which precursors include CO, NOx, and ROG. As shown in **Table 6-10**, the emissions associated with the operation of Alternative B would exceed the District's project-specific thresholds for all three ozone precursors. The contributions associated with Alternative B to regional non-attainment for ozone would therefore be cumulatively considerable.

c) Expose sensitive receptors, which are located within one (1) mile of the project site, to substantial pollutant concentrations?

Buildout of the Alternative B would eventually involve disturbance of the entire 619.1±-acre site, over the course of at least seven years. However, while the total development area greatly exceeds 5 acres, the area of daily disturbance (for purposes of LST analysis only) would be limited to 5 acres or less per day at any given location on-site. As such, the SCAQMD 5-acre look up table is appropriate under the District's methodology to screen for potential localized air quality impacts.[69]

A special modeling run in CalEEMod was conducted for Alternative B to determine the potential construction emissions resulting from buildout of Planning Area 3 (PA-3). PA-3 proposes the development of 139 units of attached single family housing on the east side of the subject site, adjacent to Tyler Street.

[69] South Coast Air Quality Management District, Fact Sheet for Applying CalEEMod to Localized Significance Thresholds, http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/caleemod-guidance.pdf (accessed April 2023).

The proposed development does not include major stationary polluters such as a landfill, chemical plant, or refinery, and therefore LST analysis was not conducted or required for the operation of Alternative B.

The SCAQMD Mass Rate LST Look-up Tables were used to determine if the proposed development would result in significant adverse localized air quality impacts during construction. The LST Look-Up Table for SRA 30 (Coachella Valley) was used to established thresholds. Given that the residences on Tyler Street are approximately 50 feet (15.24 meters) from the boundary of the subject site, the shortest available receptor distance of 25 meters was used. **Table 6-11** shows the construction emissions of CO, NO_x, PM_{10}, and $PM_{2.5}$ projected to result from Alternative B, compared to the SCAQMD localized significance thresholds.

Table 6-11
Alternative B - Localized Significance Thresholds (25 Meters, 5 Acres)
(lbs per day)

	CO	**NO_x**	**PM_{10}**	**$PM_{2.5}$**
Construction[1]	49.70	29.24	9.13	5.13
LST Threshold	2,292	304	14	8
Exceeds?	No	No	No	No

[1] Construction emissions based on special model run for Planning Area 3 only, assuming a maximum area of daily disturbance of 5 acres.

As shown in the above table, the construction of Alternative B would not exceed the LSTs for CO, NO_x, PM_{10}, or $PM_{2.5}$. It can therefore be concluded that the construction of Alternative B would not have significant localized air quality impacts on the existing residences on Tyler Street.

For the reasons discussed for Alternative A, the results shown in **Table 6-11** are also applicable to sensitive land uses built on the subject site prior to buildout of adjacent planning areas, as well as to potential future sensitive receptors built in the vicinity of the site prior to the completion of construction. It can therefore be determined that Alternative B would not generate significant adverse localized air quality impacts affecting sensitive receptors.

d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

While Alternative B proposes fewer residential units and commercial uses than Alternative A, the equestrian center is would remain the same size and intensity in all three scenarios. As described for Alternative A, above, residential, and commercial uses do not typical emit odors of a significance that might cause adverse effects.

The proposed equestrian center would have the potential to result in the emission of nuisance odors. However, such odors can be minimized through the daily remove of manure and implementation of other best management practices. Likewise, integration of standard odor control measures would ensure that potential emissions resulting from the proposed sewer lift station would be less than significant. Overall, impacts related to nuisance odors resulting from Alternative B would be less than significant.

6.2.2 Alternative B GHG Impacts

a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment.

Construction
Construction activities will result in short-term GHG emissions associated with the operation of construction equipment, vehicle emissions from construction employee commutes, material hauling, ground disturbance, and other construction activities. **Table 6-12** shows that for buildout of Alternative B in 2017, 25,809 metric tons of CO_2e would have been emitted over the seven-year construction period. For buildout in 2032, **Table 6-13** shows that 21,355metric tons of CO_2e would have been emitted over seven years for the construction of Alternative B. Given that there are currently no GHG thresholds for the construction of projects of this nature, construction-related GHG emissions were amortized over a 30-year period and added to the annual operational emissions.

Operations
During the operation of Alternative B, the same five categories of emissions analyzed for the proposed Project and Alternative A will contribute to the development's annual GHG emissions (area, energy, mobile, solid waste disposal, and water use). As stated above, GHG emissions from construction of the proposed development were amortized over a 30-year period and added to the total operational emissions.

As with the proposed Project, Alternative B's GHG emission impacts were assessed using both methods of analysis in the County's CAP: screening tables and calculation of GHG emissions.

Method 1: Screening Tables
Alternative B proposes a lesser land use intensity but would result in the same mix of uses as the proposed Project and would be subject to the same development standards in the Thermal Ranch Specific Plan. The residential and commercial screening table calculations in Appendix B would apply to Alternative B for design features proposed in the Thermal Ranch Specific Plan and requirements of the most recent Title 24 regulations and required measures in the CAP. Before weighting, Alternative B would garner a subtotal of 139 points in Table 1, Screening Table for Residential Development, and a subtotal of 110 points in Table 2, Screening Table for Commercial Development. Weighting the points for 50 percent residential and 50 percent commercial uses, Alternative B's mixed-use development garnered a total of 124.5 points. According to the CAP, mixed-use projects that garner at least 100 points will be consistent with the reduction quantities in the County's CAP Update and would be considered less than significant for GHG emissions. It can therefore be concluded that, based on the Screening Tables provided in the Riverside County CAP Update, Alternative B would have less than significant impacts for GHG emissions.

Method 2: Emissions Calculation
Per the CAP Update's CEQA thresholds guidelines, projects should complete two modeling runs in CalEEMod. The first run should calculate GHG emissions at 2017 levels of efficiency, including application of 2017 energy efficiency standards and on-road vehicle emissions factors. The second modeling run should calculate GHG emissions at the project's buildout year levels of

efficiency, and should include mitigation measures as needed. **Table 6-12** and **6-13** show a summary of the total annual construction and operational GHG emissions project for buildout of Alternative B in 2017 and 2032.

Table 6-12 **Alternative B - Projected GHG Emissions Summary (2017 Buildout)**	
Phase	**CO2e (MT/YR)**
Construction	
2011	1,156
2012	2,648
2013	4,353
2014	4,555
2015	4,522
2016	4,496
2017	4,079
Total Construction	**25,809**
Operation	
Area	231
Energy	5,304
Mobile	20,423
Waste	550
Water	724
Refrigerants	58
Construction: 30-year amortized	860
Total Operational	**28,150**
Source: CalEEMod Version 2022.1.	

As shown in **Table 6-12**, the modeling run for buildout in 2017 found that Alternative B would generate a total of 28,150 metric tons of CO2e per year. **Table 6-13** shows that with buildout in 2032, Alternative B would generate 20,928 metric tons of CO2e per year.

Table 6-13 **Alternative B - Projected GHG Emissions Summary (2032 Buildout)**	
Phase	**CO2e (MT/YR)**
Construction	
2026	1,144
2027	2,282
2028	3,629
2029	3,741
2030	3,676
2031	3,613
2032	3,270
Total Construction	**21,355**

Table 6-13 Alternative B - Projected GHG Emissions Summary (2032 Buildout)	
Phase	**CO2e (MT/YR)**
Operation	
Area	221
Energy	3,322
Mobile	15,544
Waste	550
Water	521
Refrigeration	58
Construction: 30-year amortized	712
Total Operational	**20,928**
Source: CalEEMod Version 2022.1	

As previously stated, pursuant to the Riverside County CAP Update GHG Development Review Process, emissions can be determined to be less than significant if buildout year emissions will be reduced from 2017 emissions by at least 25 percent. As shown in **Table 6-14**, Alternative B's emissions modeled for buildout in 2032 would be reduced by 25.6 percent from the emissions projected for 2017.

Table 6-14 Alternative B - GHG Emissions Significance			
Buildout Year	2017	2029	**Percent Change**
Annual Emissions (CO_2e MT/YR)	28,150	20,928	**-25.6%**
		Emissions reduction of 25% or greater?	**Yes**
Source: CalEEMod Version 2022.1.			

Given that the GHG emissions resulting from buildout of Alternative B in 2032 are reduced by more than 25 percent of those resulting from buildout in 2017, impacts related to GHG emissions are less than significant.

b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases.

The County's CAP Update was developed pursuant to the State GHG reduction policies established by AB 32, SB 32, and the CARB Scoping Plan. The 2019 CAP Update provides measures to meet the State emissions targets of 49 percent below 2008 baseline levels by 2030 and 80 percent below baseline levels by 2050. The 2019 CAP Update also provides screening process and significance thresholds for new developments to ensure CEQA compliance. As shown above, the CAP Update development review process determined that Alternative B would have less than significant impacts on GHG emissions. Given that the proposed Project complies with the

County's review process, it can be determined that the less intensive Alternative B would not conflict with the GHG reduction targets established in the CAP Update.

Alternative B would be required to comply with all new development measures and other applicable requirements provided in the CAP Update. Overall, the CAP Update was developed pursuant to the State GHG reduction targets, and Alternative B is consistent with the development review process provided in the CAP Update. It can therefore be determined that Alternative B would not conflict with the State or County plans and policies for GHG reduction, and that impacts would be less than significant.

6.3 Alternative C

Alternative C proposes No Project, and the continued use of the existing agricultural operation.

6.3.1 Alternative C Air Quality Impacts

a) Conflict with or obstruct implementation of the applicable air quality plan?

Alternative C proposed no development, and that the existing agricultural use of the site would be maintained. The subject site has been in use for agriculture for decades, and is designated for this use in the Riverside County General Plan. There are no residences on the subject site.

Given Alternative C would maintain the existing agricultural operation, which has existed on the subject site for decades, it would be consistent with the land use assumptions used in the SCAG RTP/SCS. It would result in no population growth, and would therefore be consistent with the assumptions in the Growth Management chapter of the RTP/SCS. As previously stated, projects that are consistent with projections of population forecasts are considered consistent with the AQMP. It can therefore be concluded that Alternative C would not conflict with or obstruct the implementation of an applicable air quality plan.

The existing agricultural operation must still comply with any applicable regulations provided in the SCAQMD Rule Book, as well as applicable air quality policies in the County General Plan and applicable SCAQMD plans. Compliance with the District's regulations, and consistency with the population growth projections, will ensure that the Alternative C would not conflict with or obstruct the implementation of the applicable air quality plans. Impacts would be less than significant.

b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?

Alternative C proposes to maintain the existing agricultural operation, comprised of row crops. The ongoing agricultural activities on the subject site likely results in some criteria air pollutant emissions, particularly fugitive dust emissions from active and fallow fields, as well as emissions from fuel combustion for the operation of farm equipment.

As previously stated, the Coachella Valley is a designated non-attainment region for PM_{10} and ozone. The emissions associated with the existing agricultural operation would not result in a cumulatively considerable net increase in criteria pollutants for PM_{10} and ozone, because the current conditions are the baseline ambient air quality. Alternative C would therefore not result in increases in criterial air pollutant emissions, and the ambient air quality of the Project site would be maintained. There would be no impact.

c) Expose sensitive receptors, which are located within one (1) mile of the project site, to substantial pollutant concentrations?

Alternative C proposes the continued operation of the existing agricultural property. As previously stated, the nearest sensitive receptors to the subject site are the existing residential properties on Tyler Street. These sensitive receptors may be exposed to the pollutant emissions resulting from the existing agricultural operation, such as fugitive dust emitted by ground disturbing activities and emissions resulting from the operation of farm equipment. However, given that Alternative C proposes no development, the resulting pollutant concentrations would remain the same as the baseline conditions. Potential impacts to sensitive receptors would therefore be less than significant.

d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Alternative C proposes the continued operation of the existing agricultural property. This land use may result in emission of odors that may be a nuisance to nearby sensitive receptors, such as the residential properties on Tyler Street. The existing agricultural operation is comprised of row crops, which are generally associated with the emission of less severe nuisance odors than agricultural operations that include livestock. Moreover, given that Alternative C proposes no development, the resulting emission of odors would remain the same as the baseline conditions. Potential impacts related to odors and other emissions would therefore be less than significant.

6.3.2 Alternative C GHG Impacts

a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment.

Alternative C, the no project alternative, would not result in the development of the site. Greenhouse gases emitted by Alternative C would be limited to those currently produced by the existing agricultural operation. Ongoing sources of GHG emissions would likely include the operation of farm equipment, emissions associated with employee commutes, soil management and fertilization, pest management and other farming-related sources.

According to CARB's 2014 Climate Change Scoping Plan Update, urban areas result in high per-acre GHG emissions than agricultural lands.[70] A report by American Farmland Trust calculated an average per-acre GHG emission rate for farmland based on seven of California's leading crops: alfalfa, almonds, rive, wine grapes, tomatoes, lettuce, and corn. The resulting weighted statewide average of emissions for crop production is 0.89 metric tons of CO_2e per acre per year.[71] Applying this rate to the approximately 619-acre Project site, it can be estimate that Alternative C would result in approximately 551 metric tons of CO_2e per year.

[70] California Air Resources Board, Climate Change Scoping Plan (May 2014), p.59.

[71] A New Comparison of Greenhouse Gas Emissions from California Agricultural and Urban Land Uses, American Farmland Trust (2015).

The Riverside County CAP Update GHG Development Review Process exempts small projects from requiring further GHG analysis, determining the emissions level for such projects to be less than significant. The County defines small projects as those resulting in 3,000 metric tons of CO_2e per year or less. Alternative C, which proposes no project and continuation of the existing agricultural operation, is estimated to result in the emission of 551 metric of CO_2e per year. The emissions estimated for Alternative C are well below the County threshold, and impacts related to GHG emissions would therefore be less than significant.

b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases.

For the reasons explained for Alternatives A and B, because the Riverside County CAP Update was developed pursuant to AB 32 and SB 32, a project can be determined to be consistent with the State and County GHG reduction targets if it is consistent with the thresholds provided in the CAP Update Development Review Process.

Alternative C, the continued operation of the existing agricultural use of the subject site, meets the County's definition of the small project, as discussed in Section 3.10.3(a). According to the CAP Update, small projects, meeting the threshold of 3,000 $MTCO_2e$ or less, would have less than significant impacts on GHG emission levels. Given that Alternative C would not conflict with the County plan for GHG emission reductions, it can be determined that it would also not conflict with AB 32 and. SB 32. Impacts associated with Alternative C would therefore be less than significant.

6.4 Alternative D

Alternative D proposes the same mix of equestrian center uses, workforce housing, and single family residential as the proposed Project, but eliminates the retail commercial center, hotel, and resort condominiums in PA-5 and PA-6. The elimination of on-site commercial/retail uses would increase the average residential trip lengths by 4-7 miles for trips originating from home to shopping, work, entertainment, or other personal services. As described for the Project in Section 3.3, not all proposed land uses are available as land use categories in CalEEMod. Where an equivalent land use was not available, a similar use was used in its place, and trip rates and other inputs were adjusted as needed. **Table 6-15** shows the land uses inputted to CalEEMod for Alternative D, with the trip rates as adjusted based on the Traffic Impact Analysis prepared for the Project.

6.4.1 Alternative D Air Quality Impacts

a) Conflict with or obstruct implementation of the applicable air quality plan?

Alternative D would be subject to the provisions of the SCAQMD 2022 Air Quality Management Plan (2022 AQMP) as well as the 2003 Coachella Valley PM_{10} State Implementation Plan (2003 CV PM_{10} SIP). This alternative proposes a lower commercial intensity than the proposed Project and eliminates the hotel and resort condominium uses.

As previously stated, the Growth Management chapter of the SCAG RTP/SCS forms that basis for the land use and transportation controls of SCAQMD air quality plans. Projects that are consistent with projections of population forecasts are considered consistent with the AQMP. While Alternative D proposes fewer residential units and less commercial space than the Project, it still proposes an increase in development intensity from the current agricultural use and designation of the subject site. It would therefore have the potential to conflict with or obstruct implementation of the AQMP.

Moreover, Alternative D is projected to result in operational emissions in exceedance of the SCAQMD daily threshold. As discussed under significance threshold b), Alternative D is projected to exceed the SCAQMD daily threshold for CO, NO_x, and ROG due to operational emissions from area and mobile sources. As described for the proposed Project and Alternatives A and B, there are no mitigation measures that would quantifiably and confidently reduce ROG emissions to less than significant levels.

To the greatest extent practicable, Alternative D will still be required to comply with all applicable air quality management plans, SCAQMD regulations, and County General Plan policies pertaining to air quality. However, due to the proposed change in use of the subject site from agriculture to mixed-used development, and the resulting emissions in exceedance of the SCAQMD daily threshold, there is still potential for Alternative D to conflict or obstruct implementation of the AQMP. Impacts will be potentially significant.

Table 6-15
Alternative D – CalEEMod Land Use Assumptions

Planning Area	Land Use (proposed)	Land Use (CalEEMod)	Acreage	Dwelling Units	Commercial SF	Other	Weekday Trip Rate	Saturday Trip Rate	Sunday Trip Rate
1	Equestrian Center (barns)	Unrefrigerated Warehouse – No Rail	182.43			597,800 SF	2.85	4.68	4.21
	Equestrian Center (commercial)	Strip Mall	1.72		75,000		27.79	37.31	35.56
	Equestrian Center (office)	General Office Building	0.23			10,000 SF	10.84	2.21	0.70
2	Estate Residential	Single Family Housing	263.80	490			8.83	8.79	8.11
3	Single Family Attached/Detached								
4a	Workforce Housing	Mobile Home Park	18.30	500			1.99	2.60	2.10
4b	Equestrian RV Park	Mobile Home Park	22.80			320 RV spaces	1.99	2.60	2.10
5	Estate Residential	Single Family Housing	75.8	32			8.83	8.79	8.11
6	Estate Residential								
Project-wide	Perimeter ROW	Other Asphalt Surfaces	15.30				0.00	0.00	0.00
	--	Parking Lot	38.72			4,302 spaces	0.00	0.00	0.00
Of-Site Water Reservoir		User Defined Industrial	13.6			20,867 SF	0.00	0.00	0.00
		TOTALS:	632.7	1,022	75,000	--	**10,159 trips[1]**	**12,367 trips[1]**	**11,013 trips[1]**

2 Thermal Ranch Specific Plan Traffic Analysis, prepared by Urban Crossroads, Inc. (August 2024), Section 4.1.

b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?

Alternative D proposes development at a lower commercial intensity and density than proposed for the Project, and elimination of the hotel and resort uses. Alternative D would result in criteria pollutant emissions during the construction and operational phases.

Construction

Like the proposed Project, construction of Alternative D would occur over a seven-year period, concluding in 2032. The construction phase would include demolition of the existing agricultural sheds and structures, site preparation, grading, paving, building construction, and the application of architectural coatings. As shown in **Table 6-16**, construction of Alternative D would not exceed the SCAQMD maximum daily thresholds for CO, NO_x, ROG, SO_x, PM_{10}, or $PM_{2.5}$.

Table 6-16
Alternative D - Maximum Daily Construction-Related Emissions Summary
(pounds per day)

Construction Emissions	CO	NO_x	ROG	SO_2	PM_{10}	$PM_{2.5}$
Daily Maximum[1]	127	48.4	21.0	0.11	19.8	7.67
SCAQMD Threshold	550	100	75	150	150	55
Exceeds?	No	No	No	No	No	No

1. Emissions show mitigated conditions, consistent with mitigation applied to the proposed Project.

Operations

Operational emissions include area source emissions (e.g., pavement off-gassing), emissions from energy demand (e.g. electricity) and mobile source emissions (e.g. vehicle trips). As previously stated, the trip rates for Alternative D are based on the TIA prepared for the Project by Urban Crossroads, Inc.

Table 6-17 shows the projected operational emissions expected to result from Alternative D. It is not expected to exceed the SCAQMD daily emissions threshold for SO_x, PM_{10}, or $PM_{2.5}$. The operation of Alternative D is, however, expected to exceed the District's daily threshold for CO, ROG and NO_x.

Table 6-17 Alternative D - Maximum Daily Operational-Related Emissions Summary (pounds per day)						
Construction Emissions	CO	NO_x	ROG	SO_2	PM_{10}	$PM_{2.5}$
Daily Maximum	600	55.3	96.3	1.41	127	33.2
SCAQMD Threshold	550	55	55	150	150	55
Exceeds?	Yes	Yes	Yes	No	No	No
1. Emissions show mitigated conditions, the same mitigation applied to the proposed Project.						

Given that the operation of Alternative D would exceed the SCAQMD threshold for CO, NO_x, and ROG, the associated impacts to air quality would be potentially significant. As discussed in Section 6.1.1(b), NOx and ROG emissions are due to area and mobile sources. Measures to reduce these emissions would be subject to the discretion of residents and tenants of the development, and therefore cannot be confidently quantified or applied as mitigation.

The proposed development site is located in a non-attainment area for PM_{10}, as well ozone, for which precursors include CO, NOx, and ROG. As shown in **Table 6-17**, the emissions associated with the operation of Alternative D would exceed the District's project-specific thresholds for all three ozone precursors. The contributions associated with Alternative D to regional non-attainment for ozone would therefore be cumulatively considerable.

c) Expose sensitive receptors, which are located within one (1) mile of the project site, to substantial pollutant concentrations?

Buildout of the Alternative D would eventually involve disturbance of the entire 619.1±-acre site, over the course of at least seven years. However, while the total development area greatly exceeds 5 acres, the area of daily disturbance (for purposes of LST analysis only) would be limited to 5 acres or less per day at any given location on-site. As such, the SCAQMD 5-acre look up table is appropriate under the District's methodology to screen for potential localized air quality impacts.[72]

Alternative D assumes the same Planning Area 3 (PA-3) density as the proposed Project; therefore, LST emission impacts discussed in Section 3.6 Localized Significance would apply to Alternative D. PA-3 proposes the development of 390 units of attached single family housing on the east side of the subject site, adjacent to Tyler Street. The proposed development does not include major stationary polluters such as a landfill, chemical plant, or refinery, and therefore LST analysis was not conducted or required for the operation of Alternative D.

[72] South Coast Air Quality Management District, Fact Sheet for Applying CalEEMod to Localized Significance Thresholds, http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/caleemod-guidance.pdf (accessed April 2023).

The SCAQMD Mass Rate LST Look-up Tables were used to determine if the proposed development would result in significant adverse localized air quality impacts during construction. The LST Look-Up Table for SRA 30 (Coachella Valley) was used to established thresholds. Given that the residences on Tyler Street are approximately 50 feet (15.24 meters) from the boundary of the subject site, the shortest available receptor distance of 25 meters was used. **Table 6-18** shows the construction emissions of CO, NO_x, PM_{10}, and $PM_{2.5}$ projected to result from Alternative D, compared to the SCAQMD localized significance thresholds.

Table 6-18
Alternative D - Localized Significance Thresholds (25 Meters, 5 Acres)
(lbs per day)

	CO	**NO_x**	**PM_{10}**	**$PM_{2.5}$**
Construction[1]	36.6	29.2	9.1	5.1
LST Threshold	2,292	304	14	8
Exceeds?	No	No	No	No

[1] Construction emissions based Table 3.4, which are the results of the special model run for Planning Area 3 for the proposed Project, assuming a maximum area of daily disturbance of 5 acres.

As shown in the above table, the construction of Alternative D would not exceed the LSTs for CO, NO_x, PM_{10}, or $PM_{2.5}$. It can therefore be concluded that the construction of Alternative D would not have significant localized air quality impacts on the existing residences on Tyler Street.

For the reasons discussed for Alternatives A and B, the results shown in **Table 6-18** are also applicable to sensitive land uses built on the subject site prior to buildout of adjacent planning areas, as well as to potential future sensitive receptors built in the vicinity of the site prior to the completion of construction. It can therefore be determined that Alternative D would not generate significant adverse localized air quality impacts affecting sensitive receptors.

d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

While Alternative D proposes fewer residential units and commercial uses than the proposed Project, the equestrian center would remain the same size and intensity in all four scenarios. As described for Alternatives A and B, above, residential, and commercial uses are not expected to emit odors of a significance that would cause adverse effects.

The proposed equestrian center would have the potential to result in the emission of nuisance odors. However, such odors can be minimized through the daily remove of manure and implementation of other best management practices. Likewise, integration of standard odor control measures would ensure that potential emissions resulting from the proposed sewer lift station would be less than significant. Overall, impacts related to nuisance odors resulting from Alternative D would be less than significant.

6.4.2 Alternative D GHG Impacts

a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment.

Construction
Construction activities will result in short-term GHG emissions associated with the operation of construction equipment, vehicle emissions from construction employee commutes, material hauling, ground disturbance, and other construction activities. **Table 6-19** shows that for buildout of Alternative D in 2017, 32,958 metric tons of CO_2e would have been emitted over the seven-year construction period. For buildout in 2032, **Table 6-20** shows that 23,532 metric tons of CO_2e would have been emitted over seven years for the construction of Alternative D. Given that there are currently no GHG thresholds for the construction of projects of this nature, construction-related GHG emissions were amortized over a 30-year period and added to the annual operational emissions.

Operations
During the operation of Alternative D, the same five categories of emissions analyzed for the proposed Project and Alternatives A and B will contribute to the development's annual GHG emissions (area, energy, mobile, solid waste disposal, and water use). As stated above, GHG emissions from construction of the proposed development were amortized over a 30-year period and added to the total operational emissions.

As with the proposed Project, Alternative D's GHG emission impacts were assessed using both methods of analysis in the County's CAP: screening tables and calculation of GHG emissions.

Method 1: Screening Tables
Alternative D proposes a lesser land use intensity but would result in a similar mix of uses as the proposed Project and would be subject to the same development standards in the Thermal Ranch Specific Plan. The residential and commercial screening table calculations in Appendix B would apply to Alternative D for design features proposed in the Thermal Ranch Specific Plan and requirements of the most recent Title 24 regulations and required measures in the CAP. Before weighting, Alternative D would garner a subtotal of 111 points in Table 1, Screening Table for Residential Development, and a subtotal of 96 points in Table 2, Screening Table for Commercial Development. Weighting the points for 50 percent residential and 50 percent commercial uses, Alternative D's mixed-use development garnered a total of 103.5 points. According to the CAP, mixed-use projects that garner at least 100 points will be consistent with the reduction quantities in the County's CAP Update and would be considered less than significant for GHG emissions. It can therefore be concluded that, based on the Screening Tables provided in the Riverside County CAP Update, Alternative D would have less than significant impacts for GHG emissions.

Method 2: Emissions Calculation
Per the CAP Update's CEQA thresholds guidelines, projects should complete two modeling runs in CalEEMod. The first run should calculate GHG emissions at 2017 levels of efficiency, including application of 2017 energy efficiency standards and on-road vehicle emissions factors. The second modeling run should calculate GHG emissions at the project's buildout year levels of

efficiency, and should include mitigation measures as needed. **Table 6-19** and **6-20** show a summary of the total annual construction and operational GHG emissions project for buildout of Alternative D in 2017 and 2032.

Table 6-19 **Alternative D - Projected GHG Emissions Summary (2017 Buildout)**	
Phase	**CO2e (MT/YR)**
Construction	
2011	1,156
2012	2,413
2013	3,871
2014	4,049
2015	4,020
2016	3,997
2017	3,627
Total Construction	**23,133**
Operation	
Area	48
Energy	5,864
Mobile	25,028
Waste	541
Water	704
Refrigerants	1.67
Construction: 30-year amortized	771
Total Operational	**32,958**
Source: CalEEMod Version 2022.1.	

As shown in **Table 6-19**, the modeling run for buildout in 2017 found that Alternative D would generate a total of 32,958 metric tons of CO2e per year. **Table 6-20** shows that with buildout in 2032, Alternative D would generate 23,532 metric tons of CO2e per year.

Table 6-20 **Alternative D - Projected GHG Emissions Summary (2032 Buildout)**	
Phase	**CO2e (MT/YR)**
Construction	
2026	1,144
2027	2,092
2028	3,237
2029	3,336
2030	3,279
2031	3,224
2032	2,919
Total Construction	**19,231**

Table 6-20 Alternative D - Projected GHG Emissions Summary (2032 Buildout)	
Phase	**CO2e (MT/YR)**
Operation	
Area	38.4
Energy	3,242
Mobile	18,562
Waste	541
Water	506
Refrigeration	1.67
Construction: 30-year amortized	641
Total Operational	**23,532**
Source: CalEEMod Version 2022.1	

As previously stated, pursuant to the Riverside County CAP Update GHG Development Review Process, emissions can be determined to be less than significant if buildout year emissions will be reduced from 2017 emissions by at least 25 percent. As shown in **Table 6-21**, Alternative D's emissions modeled for buildout in 2032 would be reduced by 28.6 percent from the emissions projected for 2017.

Table 6-21 Alternative D - GHG Emissions Significance			
Buildout Year	2017	2029	**Percent Change**
Annual Emissions (CO_2e MT/YR)	32,958	23,532	**-28.6%**
		Emissions reduction of 25% or greater?	**Yes**
Source: CalEEMod Version 2022.1.			

Given that the GHG emissions resulting from buildout of Alternative D in 2032 are reduced by more than 25 percent of those resulting from buildout in 2017, impacts related to GHG emissions are less than significant.

b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases.

The County's CAP Update was developed pursuant to the State GHG reduction policies established by AB 32, SB 32, and the CARB Scoping Plan. The 2019 CAP Update provides measures to meet the State emissions targets of 49 percent below 2008 baseline levels by 2030 and 80 percent below baseline levels by 2050. The 2019 CAP Update also provides screening process and significance thresholds for new developments to ensure CEQA compliance. As shown above, the CAP Update development review process determined that Alternative D would have less than significant impacts on GHG emissions. Given that the proposed Project complies with the County's review process, it can be determined that the less intensive Alternative D would not conflict with the GHG reduction targets established in the CAP Update.

Alternative D would be required to comply with all new development measures and other applicable requirements provided in the CAP Update. Overall, the CAP Update was developed pursuant to the State GHG reduction targets, and Alternative D is consistent with the development review process provided in the CAP Update. It can therefore be determined that Alternative D would not conflict with the State or County plans and policies for GHG reduction, and that impacts would be less than significant.

7 REFERENCES

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8 APPENDICES

Appendix A: Thermal Ranch Specific Plan CalEEMod Outputs, prepared by Terra Nova Planning & Research, Inc.

Appendix B: Riverside County Climate Action Plan Screening Tables, prepared by Terra Nova Planning & Research, Inc.

Appendix A

Thermal Ranch Specific Plan CalEEMod Outputs
prepared by
Terra Nova Planning & Research, Inc.

Thermal Ranch Specific Plan Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Thermal Ranch Specific Plan
Construction Start Date	1/1/2026
Operational Year	2032
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	8.80
Location	33.59088711062806, -116.17302750036589
County	Riverside-Salton Sea
City	Unincorporated
Air District	South Coast AQMD
Air Basin	Salton Sea
TAZ	5697
EDFZ	19
Electric Utility	Imperial Irrigation District
Gas Utility	Southern California Gas
App Version	2022.1.1.23

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

Hotel	150	Room	8.10	217,800	236,967	—	—	—
Regional Shopping Center	200	1000sqft	25.6	200,000	236,967	—	—	—
Condo/Townhouse	340	Dwelling Unit	42.1	326,400	236,967	—	1,098	—
Strip Mall	75.0	1000sqft	1.72	75,000	1,728,542	865,891	—	—
General Office Building	10.0	1000sqft	0.23	10,000	1,728,542	865,891	—	—
Unrefrigerated Warehouse-No Rail	598	1000sqft	182	598,000	1,728,542	865,891	—	—
Single Family Housing	522	Dwelling Unit	264	1,017,900	8,012,862	—	1,686	—
Mobile Home Park	500	Dwelling Unit	18.3	158,530	358,063	—	1,615	—
Mobile Home Park	320	Dwelling Unit	22.8	160,000	358,063	—	1,034	—
User Defined Industrial	1.00	User Defined Unit	13.6	20,867	0.00	—	—	—
Parking Lot	4,302	Space	38.7	0.00	0.00	—	—	—
Other Asphalt Surfaces	15.3	Acre	15.3	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-7	Use Oxidation Catalyst
Construction	C-9	Use Dust Suppressants
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Construction	C-12	Sweep Paved Roads
Transportation	T-14*	Provide Electric Vehicle Charging Infrastructure
Transportation	T-34*	Provide Bike Parking
Transportation	T-53*	Electrify Loading Docks

Energy	E-1	Buildings Exceed 2019 Title 24 Building Envelope Energy Efficiency Standards
Energy	E-2	Require Energy Efficient Appliances
Energy	E-7*	Require Higher Efficacy Public Street and Area Lighting
Energy	E-10-B	Establish Onsite Renewable Energy Systems: Solar Power
Water	W-5	Design Water-Efficient Landscapes
Area Sources	AS-1	Use Low-VOC Cleaning Supplies

* 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.	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Unmit.	28.2	56.8	165	0.12	27.0	7.67	92.3	40,424
Mit.	28.2	48.4	165	0.12	27.0	7.67	92.3	40,424
% Reduced	—	15%	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Unmit.	26.9	56.8	106	0.13	27.0	7.67	2.39	36,681
Mit.	26.9	48.4	106	0.13	27.0	7.67	2.39	36,681
% Reduced	—	15%	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—
Unmit.	19.2	31.9	84.6	0.09	19.2	4.93	26.9	26,744
Mit.	19.2	27.1	84.6	0.09	19.2	4.93	26.9	26,744
% Reduced	—	15%	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—
Unmit.	3.51	5.82	15.4	0.02	3.50	0.90	4.45	4,428

Mit.	3.51	4.95	15.4	0.02	3.50	0.90	4.45	4,428
% Reduced	—	15%	—	—	—	—	—	—
Exceeds (Daily Max)	—	—	—	—	—	—	—	—
Threshold	75.0	100	550	150	150	55.0	—	—
Unmit.	No	No	No	No	No	No	—	—
Mit.	No	No	No	No	No	No	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—
Threshold	75.0	100	550	150	150	55.0	—	—
Unmit.	No	No	No	No	No	No	—	—
Mit.	No	No	No	No	No	No	—	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—
2026	6.36	56.8	59.8	0.11	14.2	7.67	2.20	12,722
2027	8.67	33.8	150	0.12	23.3	6.14	89.5	36,812
2028	28.2	33.9	165	0.12	27.0	6.98	92.3	40,424
2029	27.7	32.2	156	0.12	27.0	6.94	83.4	39,662
2030	26.6	30.7	148	0.12	27.0	6.91	75.0	38,942
2031	26.2	29.8	139	0.12	26.9	6.88	67.2	38,251
2032	25.9	28.4	133	0.12	26.9	6.85	59.9	37,381
Daily - Winter (Max)	—	—	—	—	—	—	—	—
2026	6.33	56.8	58.3	0.11	14.2	7.67	0.09	12,639
2027	7.55	54.0	97.1	0.13	23.3	7.54	2.33	33,608
2028	26.9	35.5	106	0.13	27.0	6.98	2.39	36,681

2029	25.8	33.7	101	0.12	27.0	6.94	2.16	36,002
2030	25.6	32.2	95.6	0.12	27.0	6.91	1.95	35,358
2031	25.3	30.6	91.0	0.12	26.9	6.88	1.74	34,736
2032	25.0	29.8	87.3	0.12	26.9	6.85	1.56	34,143
Average Daily	—	—	—	—	—	—	—	—
2026	3.54	31.9	32.7	0.06	8.10	4.40	0.60	6,911
2027	4.27	24.8	54.8	0.07	11.2	3.67	14.2	15,725
2028	12.5	23.9	83.6	0.09	17.9	4.65	26.9	25,936
2029	19.2	23.3	84.6	0.09	19.2	4.93	25.7	26,744
2030	18.4	22.7	80.4	0.09	19.1	4.91	23.1	26,265
2031	18.2	21.6	76.2	0.09	19.1	4.89	20.7	25,801
2032	16.6	19.0	67.3	0.08	17.6	4.48	17.0	23,345
Annual	—	—	—	—	—	—	—	—
2026	0.65	5.82	5.96	0.01	1.48	0.80	0.10	1,144
2027	0.78	4.53	9.99	0.01	2.04	0.67	2.34	2,603
2028	2.28	4.36	15.3	0.02	3.27	0.85	4.45	4,294
2029	3.51	4.24	15.4	0.02	3.50	0.90	4.26	4,428
2030	3.37	4.14	14.7	0.02	3.49	0.90	3.83	4,348
2031	3.33	3.95	13.9	0.02	3.49	0.89	3.43	4,272
2032	3.03	3.46	12.3	0.01	3.21	0.82	2.81	3,865

2.3. Construction Emissions by Year, Mitigated

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

Year	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—
2026	6.36	48.4	59.8	0.11	14.2	7.67	2.20	12,722

2027	8.67	31.4	150	0.12	23.3	6.14	89.5	36,812
2028	28.2	31.4	165	0.12	27.0	6.98	92.3	40,424
2029	27.7	29.8	156	0.12	27.0	6.94	83.4	39,662
2030	26.6	28.4	148	0.12	27.0	6.91	75.0	38,942
2031	26.2	27.5	139	0.12	26.9	6.88	67.2	38,251
2032	25.9	26.3	133	0.12	26.9	6.85	59.9	37,381
Daily - Winter (Max)	—	—	—	—	—	—	—	—
2026	6.33	48.4	58.3	0.11	14.2	7.67	0.09	12,639
2027	7.55	46.0	97.1	0.13	23.3	7.54	2.33	33,608
2028	26.9	33.0	106	0.13	27.0	6.98	2.39	36,681
2029	25.8	31.3	101	0.12	27.0	6.94	2.16	36,002
2030	25.6	29.8	95.6	0.12	27.0	6.91	1.95	35,358
2031	25.3	28.3	91.0	0.12	26.9	6.88	1.74	34,736
2032	25.0	27.6	87.3	0.12	26.9	6.85	1.56	34,143
Average Daily	—	—	—	—	—	—	—	—
2026	3.54	27.1	32.7	0.06	8.10	4.40	0.60	6,911
2027	4.27	22.1	54.8	0.07	11.2	3.67	14.2	15,725
2028	12.5	22.2	83.6	0.09	17.9	4.65	26.9	25,936
2029	19.2	21.6	84.6	0.09	19.2	4.93	25.7	26,744
2030	18.4	21.0	80.4	0.09	19.1	4.91	23.1	26,265
2031	18.2	20.0	76.2	0.09	19.1	4.89	20.7	25,801
2032	16.6	17.5	67.3	0.08	17.6	4.48	17.0	23,345
Annual	—	—	—	—	—	—	—	—
2026	0.65	4.95	5.96	0.01	1.48	0.80	0.10	1,144
2027	0.78	4.03	9.99	0.01	2.04	0.67	2.34	2,603
2028	2.28	4.05	15.3	0.02	3.27	0.85	4.45	4,294
2029	3.51	3.94	15.4	0.02	3.50	0.90	4.26	4,428

2030	3.37	3.84	14.7	0.02	3.49	0.90	3.83	4,348
2031	3.33	3.65	13.9	0.02	3.49	0.89	3.43	4,272
2032	3.03	3.20	12.3	0.01	3.21	0.82	2.81	3,865

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Unmit.	145	83.6	761	1.76	149	40.0	615	225,401
Mit.	141	82.6	760	1.75	149	39.9	615	219,107
% Reduced	3%	1%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	3%
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Unmit.	119	87.1	430	1.57	149	39.9	361	206,818
Mit.	114	86.1	429	1.57	149	39.8	361	200,524
% Reduced	4%	1%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	3%
Average Daily (Max)	—	—	—	—	—	—	—	—
Unmit.	121	64.6	479	1.34	124	32.8	449	174,050
Mit.	117	63.6	478	1.33	124	32.7	449	167,756
% Reduced	4%	2%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	4%
Annual (Max)	—	—	—	—	—	—	—	—
Unmit.	22.1	11.8	87.3	0.24	22.6	5.98	74.3	28,816
Mit.	21.3	11.6	87.2	0.24	22.6	5.97	74.3	27,774
% Reduced	4%	2%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	4%
Exceeds (Daily Max)	—	—	—	—	—	—	—	—
Threshold	55.0	55.0	550	150	150	55.0	—	—
Unmit.	Yes	Yes	Yes	No	No	No	—	—
Mit.	Yes	Yes	Yes	No	No	No	—	—

Exceeds (Average Daily)	—	—	—	—	—	—	—	—
Threshold	55.0	55.0	550	150	150	55.0	—	—
Unmit.	Yes	Yes	No	No	No	No	—	—
Mit.	Yes	Yes	No	No	No	No	—	—

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Mobile	62.1	57.6	605	1.59	147	37.9	261	165,490
Area	82.6	13.7	150	0.09	1.13	1.10	—	17,296
Energy	0.71	12.3	6.27	0.08	0.98	0.98	—	34,489
Water	—	—	—	—	—	—	—	3,477
Waste	—	—	—	—	—	—	—	4,295
Refrig.	—	—	—	—	—	—	354	354
Total	145	83.6	761	1.76	149	40.0	615	225,401
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Mobile	51.6	62.4	418	1.42	147	37.9	6.77	147,364
Area	66.4	12.4	5.29	0.08	1.00	1.00	—	16,839
Energy	0.71	12.3	6.27	0.08	0.98	0.98	—	34,489
Water	—	—	—	—	—	—	—	3,477
Waste	—	—	—	—	—	—	—	4,295
Refrig.	—	—	—	—	—	—	354	354
Total	119	87.1	430	1.57	149	39.9	361	206,818
Average Daily	—	—	—	—	—	—	—	—
Mobile	46.7	50.8	401	1.25	123	31.7	94.9	130,057

Area	73.7	1.49	71.7	0.01	0.13	0.12	—	1,379
Energy	0.71	12.3	6.27	0.08	0.98	0.98	—	34,489
Water	—	—	—	—	—	—	—	3,477
Waste	—	—	—	—	—	—	—	4,295
Refrig.	—	—	—	—	—	—	354	354
Total	121	64.6	479	1.34	124	32.8	449	174,050
Annual	—	—	—	—	—	—	—	—
Mobile	8.53	9.27	73.1	0.23	22.4	5.78	15.7	21,532
Area	13.5	0.27	13.1	< 0.005	0.02	0.02	—	228
Energy	0.13	2.24	1.14	0.01	0.18	0.18	—	5,710
Water	—	—	—	—	—	—	—	576
Waste	—	—	—	—	—	—	—	711
Refrig.	—	—	—	—	—	—	58.6	58.6
Total	22.1	11.8	87.3	0.24	22.6	5.98	74.3	28,816

2.6. Operations Emissions by Sector, Mitigated

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

Sector	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Mobile	62.1	57.6	605	1.59	147	37.9	261	165,490
Area	78.2	13.7	150	0.09	1.13	1.10	—	17,296
Energy	0.65	11.3	5.78	0.07	0.90	0.90	—	28,222
Water	—	—	—	—	—	—	—	3,450
Waste	—	—	—	—	—	—	—	4,295
Refrig.	—	—	—	—	—	—	354	354
Total	141	82.6	760	1.75	149	39.9	615	219,107
Daily, Winter (Max)	—	—	—	—	—	—	—	—

Mobile	51.6	62.4	418	1.42	147	37.9	6.77	147,364
Area	61.9	12.4	5.29	0.08	1.00	1.00	—	16,839
Energy	0.65	11.3	5.78	0.07	0.90	0.90	—	28,222
Water	—	—	—	—	—	—	—	3,450
Waste	—	—	—	—	—	—	—	4,295
Refrig.	—	—	—	—	—	—	354	354
Total	114	86.1	429	1.57	149	39.8	361	200,524
Average Daily	—	—	—	—	—	—	—	—
Mobile	46.7	50.8	401	1.25	123	31.7	94.9	130,057
Area	69.3	1.49	71.7	0.01	0.13	0.12	—	1,379
Energy	0.65	11.3	5.78	0.07	0.90	0.90	—	28,222
Water	—	—	—	—	—	—	—	3,450
Waste	—	—	—	—	—	—	—	4,295
Refrig.	—	—	—	—	—	—	354	354
Total	117	63.6	478	1.33	124	32.7	449	167,756
Annual	—	—	—	—	—	—	—	—
Mobile	8.53	9.27	73.1	0.23	22.4	5.78	15.7	21,532
Area	12.6	0.27	13.1	< 0.005	0.02	0.02	—	228
Energy	0.12	2.05	1.06	0.01	0.16	0.16	—	4,672
Water	—	—	—	—	—	—	—	571
Waste	—	—	—	—	—	—	—	711
Refrig.	—	—	—	—	—	—	58.6	58.6
Total	21.3	11.6	87.2	0.24	22.6	5.97	74.3	27,774

3. Construction Emissions Details

3.1. Demolition (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.29	20.7	19.0	0.03	0.84	0.78	—	3,438
Demolition	—	—	—	—	1.18	0.18	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	1.70	1.56	< 0.005	0.07	0.06	—	283
Demolition	—	—	—	—	0.10	0.01	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.31	0.29	< 0.005	0.01	0.01	—	46.8
Demolition	—	—	—	—	0.02	< 0.005	—	—
Onsite truck	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	0.08	0.75	0.00	0.20	0.05	0.02	188
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	1.68	0.37	0.01	0.41	0.13	0.08	1,474
Average Daily	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.08	0.00	0.02	< 0.005	0.02	16.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.14	0.03	< 0.005	0.03	0.01	0.10	121
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	< 0.005	< 0.005	< 0.005	2.73

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	0.01	< 0.005	0.01	< 0.005	0.02	20.1

3.2. Demolition (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.29	17.6	19.0	0.03	0.84	0.78	—	3,438
Demolition	—	—	—	—	1.18	0.18	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	1.44	1.56	< 0.005	0.07	0.06	—	283
Demolition	—	—	—	—	0.10	0.01	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.26	0.29	< 0.005	0.01	0.01	—	46.8
Demolition	—	—	—	—	0.02	< 0.005	—	—
Onsite truck	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	0.08	0.75	0.00	0.20	0.05	0.02	188
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	1.68	0.37	0.01	0.41	0.13	0.08	1,474
Average Daily	—	—	—	—	—	—	—	—

Worker	< 0.005	0.01	0.08	0.00	0.02	< 0.005	0.02	16.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.14	0.03	< 0.005	0.03	0.01	0.10	121
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	< 0.005	< 0.005	< 0.005	2.73
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	0.01	< 0.005	0.01	< 0.005	0.02	20.1

3.3. Site Preparation (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.14	29.2	28.8	0.05	1.24	1.14	—	5,316
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.14	29.2	28.8	0.05	1.24	1.14	—	5,316
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.99	18.4	18.2	0.03	0.79	0.72	—	3,360
Dust From Material Movement	—	—	—	—	4.85	2.49	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—

Off-Road Equipment	0.36	3.36	3.32	0.01	0.14	0.13	—	556
Dust From Material Movement	—	—	—	—	0.88	0.45	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.08	0.08	1.55	0.00	0.23	0.05	0.81	258
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.07	0.09	0.88	0.00	0.23	0.05	0.02	219
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.69	0.00	0.14	0.03	0.22	148
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.13	0.00	0.03	0.01	0.04	24.5
Vendor	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

3.4. Site Preparation (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Off-Road Equipment	3.14	24.8	28.8	0.05	1.24	1.14	—	5,316
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.14	24.8	28.8	0.05	1.24	1.14	—	5,316
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.99	15.7	18.2	0.03	0.79	0.72	—	3,360
Dust From Material Movement	—	—	—	—	4.85	2.49	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	2.86	3.32	0.01	0.14	0.13	—	556
Dust From Material Movement	—	—	—	—	0.88	0.45	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.08	0.08	1.55	0.00	0.23	0.05	0.81	258
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.07	0.09	0.88	0.00	0.23	0.05	0.02	219
Vendor	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
Average Daily	—	—	—	—	—	—	—	—

Worker	0.04	0.05	0.69	0.00	0.14	0.03	0.22	148
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.13	0.00	0.03	0.01	0.04	24.5
Vendor	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

3.5. Site Preparation (2027) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.05	28.0	28.3	0.05	1.17	1.08	—	5,316
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	3.28	3.32	0.01	0.14	0.13	—	624
Dust From Material Movement	—	—	—	—	0.90	0.46	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.60	0.61	< 0.005	0.03	0.02	—	103
Dust From Material Movement	—	—	—	—	0.16	0.08	—	—
Onsite truck	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	0.08	0.82	0.00	0.23	0.05	0.02	215
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.12	0.00	0.03	0.01	0.04	27.0
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	< 0.005	< 0.005	0.01	4.47
Vendor	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

3.6. Site Preparation (2027) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.05	23.8	28.3	0.05	1.17	1.08	—	5,316
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	2.79	3.32	0.01	0.14	0.13	—	624

Dust From Material Movement	—	—	—	—	0.90	0.46	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.51	0.61	< 0.005	0.03	0.02	—	103
Dust From Material Movement	—	—	—	—	0.16	0.08	—	—
Onsite truck	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	0.08	0.82	0.00	0.23	0.05	0.02	215
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.12	0.00	0.03	0.01	0.04	27.0
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	< 0.005	< 0.005	0.01	4.47
Vendor	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

3.7. Grading (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Off-Road Equipment	3.04	27.2	27.6	0.06	1.12	1.03	—	6,621
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.04	27.2	27.6	0.06	1.12	1.03	—	6,621
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.27	11.4	11.5	0.03	0.47	0.43	—	2,773
Dust From Material Movement	—	—	—	—	1.50	0.60	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	2.08	2.11	< 0.005	0.09	0.08	—	459
Dust From Material Movement	—	—	—	—	0.27	0.11	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.09	0.10	1.77	0.00	0.26	0.06	0.93	295
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.25	0.06	< 0.005	0.06	0.02	0.46	232
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.07	0.10	1.00	0.00	0.26	0.06	0.02	251
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.26	0.06	< 0.005	0.06	0.02	0.01	232
Average Daily	—	—	—	—	—	—	—	—

Worker	0.03	0.04	0.53	0.00	0.11	0.03	0.17	112
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.11	0.02	< 0.005	0.03	0.01	0.08	97.0
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.02	< 0.005	0.03	18.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	0.01	16.1

3.8. Grading (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.04	23.1	27.6	0.06	1.12	1.03	—	6,621
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.04	23.1	27.6	0.06	1.12	1.03	—	6,621
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.27	9.69	11.5	0.03	0.47	0.43	—	2,773
Dust From Material Movement	—	—	—	—	1.50	0.60	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—

Off-Road Equipment	0.23	1.77	2.11	< 0.005	0.09	0.08	—	459
Dust From Material Movement	—	—	—	—	0.27	0.11	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.09	0.10	1.77	0.00	0.26	0.06	0.93	295
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.25	0.06	< 0.005	0.06	0.02	0.46	232
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.07	0.10	1.00	0.00	0.26	0.06	0.02	251
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.26	0.06	< 0.005	0.06	0.02	0.01	232
Average Daily	—	—	—	—	—	—	—	—
Worker	0.03	0.04	0.53	0.00	0.11	0.03	0.17	112
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.11	0.02	< 0.005	0.03	0.01	0.08	97.0
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.02	< 0.005	0.03	18.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	0.01	16.1

3.9. Grading (2027) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Off-Road Equipment	2.95	25.6	27.3	0.06	1.04	0.96	—	6,621
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.95	25.6	27.3	0.06	1.04	0.96	—	6,621
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.04	9.06	9.66	0.02	0.37	0.34	—	2,345
Dust From Material Movement	—	—	—	—	1.27	0.50	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	1.65	1.76	< 0.005	0.07	0.06	—	388
Dust From Material Movement	—	—	—	—	0.23	0.09	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.09	0.09	1.65	0.00	0.26	0.06	0.84	289
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.24	0.06	< 0.005	0.06	0.02	0.43	226
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.07	0.09	0.94	0.00	0.26	0.06	0.02	246
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.26	0.06	< 0.005	0.06	0.02	0.01	226
Average Daily	—	—	—	—	—	—	—	—

Worker	0.03	0.03	0.42	0.00	0.09	0.02	0.13	93.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.09	0.02	< 0.005	0.02	0.01	0.07	80.0
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.08	0.00	0.02	< 0.005	0.02	15.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	0.01	13.3

3.10. Grading (2027) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.95	21.7	27.3	0.06	1.04	0.96	—	6,621
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.95	21.7	27.3	0.06	1.04	0.96	—	6,621
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.04	7.70	9.66	0.02	0.37	0.34	—	2,345
Dust From Material Movement	—	—	—	—	1.27	0.50	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—

Off-Road Equipment	0.19	1.41	1.76	< 0.005	0.07	0.06	—	388
Dust From Material Movement	—	—	—	—	0.23	0.09	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.09	0.09	1.65	0.00	0.26	0.06	0.84	289
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.24	0.06	< 0.005	0.06	0.02	0.43	226
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.07	0.09	0.94	0.00	0.26	0.06	0.02	246
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.26	0.06	< 0.005	0.06	0.02	0.01	226
Average Daily	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.42	0.00	0.09	0.02	0.13	93.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.09	0.02	< 0.005	0.02	0.01	0.07	80.0
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.08	0.00	0.02	< 0.005	0.02	15.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	0.01	13.3

3.11. Building Construction (2027) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Off-Road Equipment	1.03	9.39	12.9	0.02	0.34	0.31	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.03	9.39	12.9	0.02	0.34	0.31	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.37	3.38	4.66	0.01	0.12	0.11	—	866
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.62	0.85	< 0.005	0.02	0.02	—	143
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	6.30	6.35	121	0.00	19.2	4.49	61.5	21,160
Vendor	0.42	11.1	4.85	0.08	3.27	1.02	27.4	11,514
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	5.23	6.95	68.5	0.00	19.2	4.49	1.60	18,003
Vendor	0.38	11.9	4.94	0.09	3.27	1.02	0.71	11,499
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	1.99	2.26	30.9	0.00	6.86	1.61	9.57	6,931
Vendor	0.15	4.18	1.74	0.03	1.17	0.37	4.25	4,142
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.36	0.41	5.64	0.00	1.25	0.29	1.58	1,147
Vendor	0.03	0.76	0.32	0.01	0.21	0.07	0.70	686

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Construction (2027) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.03	7.98	12.9	0.02	0.34	0.31	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.03	7.98	12.9	0.02	0.34	0.31	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.37	2.87	4.66	0.01	0.12	0.11	—	866
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.52	0.85	< 0.005	0.02	0.02	—	143
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	6.30	6.35	121	0.00	19.2	4.49	61.5	21,160
Vendor	0.42	11.1	4.85	0.08	3.27	1.02	27.4	11,514
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	5.23	6.95	68.5	0.00	19.2	4.49	1.60	18,003
Vendor	0.38	11.9	4.94	0.09	3.27	1.02	0.71	11,499
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—
Worker	1.99	2.26	30.9	0.00	6.86	1.61	9.57	6,931
Vendor	0.15	4.18	1.74	0.03	1.17	0.37	4.25	4,142
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.36	0.41	5.64	0.00	1.25	0.29	1.58	1,147
Vendor	0.03	0.76	0.32	0.01	0.21	0.07	0.70	686
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Building Construction (2028) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.99	8.92	12.9	0.02	0.30	0.28	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.99	8.92	12.9	0.02	0.30	0.28	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.71	6.39	9.26	0.02	0.22	0.20	—	1,723
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.17	1.69	< 0.005	0.04	0.04	—	285
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Worker	6.04	5.69	113	0.00	19.2	4.49	55.4	20,758
Vendor	0.34	10.6	4.58	0.08	3.27	1.02	25.3	11,246
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	5.04	6.32	63.5	0.00	19.2	4.49	1.44	17,674
Vendor	0.30	11.5	4.75	0.09	3.27	1.02	0.66	11,235
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	3.80	4.05	57.2	0.00	13.6	3.20	17.1	13,530
Vendor	0.23	7.98	3.32	0.06	2.34	0.73	7.82	8,050
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.69	0.74	10.4	0.00	2.49	0.58	2.84	2,240
Vendor	0.04	1.46	0.61	0.01	0.43	0.13	1.30	1,333
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Building Construction (2028) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.99	7.59	12.9	0.02	0.30	0.28	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.99	7.59	12.9	0.02	0.30	0.28	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—

Off-Road Equipment	0.71	5.43	9.26	0.02	0.22	0.20	—	1,723
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.99	1.69	< 0.005	0.04	0.04	—	285
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	6.04	5.69	113	0.00	19.2	4.49	55.4	20,758
Vendor	0.34	10.6	4.58	0.08	3.27	1.02	25.3	11,246
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	5.04	6.32	63.5	0.00	19.2	4.49	1.44	17,674
Vendor	0.30	11.5	4.75	0.09	3.27	1.02	0.66	11,235
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	3.80	4.05	57.2	0.00	13.6	3.20	17.1	13,530
Vendor	0.23	7.98	3.32	0.06	2.34	0.73	7.82	8,050
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.69	0.74	10.4	0.00	2.49	0.58	2.84	2,240
Vendor	0.04	1.46	0.61	0.01	0.43	0.13	1.30	1,333
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Building Construction (2029) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.97	8.58	12.9	0.02	0.28	0.25	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.97	8.58	12.9	0.02	0.28	0.25	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	6.13	9.22	0.02	0.20	0.18	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.12	1.68	< 0.005	0.04	0.03	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	5.72	5.06	105	0.00	19.2	4.49	49.7	20,384
Vendor	0.33	10.2	4.38	0.08	3.27	1.02	23.3	10,938
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	4.18	5.65	59.8	0.00	19.2	4.49	1.29	17,366
Vendor	0.30	11.0	4.56	0.08	3.27	1.02	0.60	10,929
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	3.62	3.57	53.2	0.00	13.6	3.19	15.3	13,255
Vendor	0.22	7.63	3.18	0.06	2.33	0.73	7.17	7,807
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.66	0.65	9.70	0.00	2.48	0.58	2.54	2,194

Vendor	0.04	1.39	0.58	0.01	0.42	0.13	1.19	1,293
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Building Construction (2029) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.97	7.29	12.9	0.02	0.28	0.25	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.97	7.29	12.9	0.02	0.28	0.25	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	5.21	9.22	0.02	0.20	0.18	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.95	1.68	< 0.005	0.04	0.03	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	5.72	5.06	105	0.00	19.2	4.49	49.7	20,384
Vendor	0.33	10.2	4.38	0.08	3.27	1.02	23.3	10,938
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	4.18	5.65	59.8	0.00	19.2	4.49	1.29	17,366
Vendor	0.30	11.0	4.56	0.08	3.27	1.02	0.60	10,929

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	3.62	3.57	53.2	0.00	13.6	3.19	15.3	13,255
Vendor	0.22	7.63	3.18	0.06	2.33	0.73	7.17	7,807
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.66	0.65	9.70	0.00	2.48	0.58	2.54	2,194
Vendor	0.04	1.39	0.58	0.01	0.42	0.13	1.19	1,293
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Building Construction (2030) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	8.39	12.9	0.02	0.26	0.24	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	8.39	12.9	0.02	0.26	0.24	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	5.99	9.20	0.02	0.19	0.17	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	1.09	1.68	< 0.005	0.03	0.03	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	4.83	4.43	98.6	0.00	19.2	4.49	44.4	20,035
Vendor	0.33	9.87	4.29	0.08	3.27	1.02	21.3	10,641
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	4.06	5.02	55.6	0.00	19.2	4.49	1.15	17,081
Vendor	0.29	10.6	4.36	0.08	3.27	1.02	0.55	10,631
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	3.01	3.54	49.8	0.00	13.6	3.19	13.7	13,033
Vendor	0.22	7.36	3.05	0.06	2.33	0.73	6.56	7,595
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.55	0.65	9.09	0.00	2.48	0.58	2.26	2,158
Vendor	0.04	1.34	0.56	0.01	0.42	0.13	1.09	1,257
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.18. Building Construction (2030) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	7.13	12.9	0.02	0.26	0.24	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	7.13	12.9	0.02	0.26	0.24	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	5.10	9.20	0.02	0.19	0.17	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.93	1.68	< 0.005	0.03	0.03	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	4.83	4.43	98.6	0.00	19.2	4.49	44.4	20,035
Vendor	0.33	9.87	4.29	0.08	3.27	1.02	21.3	10,641
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	4.06	5.02	55.6	0.00	19.2	4.49	1.15	17,081
Vendor	0.29	10.6	4.36	0.08	3.27	1.02	0.55	10,631
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	3.01	3.54	49.8	0.00	13.6	3.19	13.7	13,033
Vendor	0.22	7.36	3.05	0.06	2.33	0.73	6.56	7,595
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.55	0.65	9.09	0.00	2.48	0.58	2.26	2,158
Vendor	0.04	1.34	0.56	0.01	0.42	0.13	1.09	1,257
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.19. Building Construction (2031) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e

Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	8.12	12.8	0.02	0.24	0.22	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	8.12	12.8	0.02	0.24	0.22	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.66	5.80	9.18	0.02	0.17	0.16	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	1.06	1.67	< 0.005	0.03	0.03	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	4.57	4.36	92.1	0.00	19.2	4.49	39.6	19,715
Vendor	0.33	9.50	4.10	0.08	3.27	1.02	19.3	10,336
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	3.83	4.39	52.0	0.00	19.2	4.49	1.03	16,817
Vendor	0.29	10.2	4.27	0.08	3.27	1.02	0.50	10,329
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	2.85	3.09	46.4	0.00	13.6	3.19	12.2	12,829
Vendor	0.22	7.16	2.98	0.06	2.33	0.73	5.96	7,379
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—

Worker	0.52	0.56	8.47	0.00	2.48	0.58	2.02	2,124
Vendor	0.04	1.31	0.54	0.01	0.42	0.13	0.99	1,222
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.20. Building Construction (2031) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	6.90	12.8	0.02	0.24	0.22	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	6.90	12.8	0.02	0.24	0.22	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.66	4.93	9.18	0.02	0.17	0.16	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.90	1.67	< 0.005	0.03	0.03	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	4.57	4.36	92.1	0.00	19.2	4.49	39.6	19,715
Vendor	0.33	9.50	4.10	0.08	3.27	1.02	19.3	10,336
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	3.83	4.39	52.0	0.00	19.2	4.49	1.03	16,817

Vendor	0.29	10.2	4.27	0.08	3.27	1.02	0.50	10,329
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	2.85	3.09	46.4	0.00	13.6	3.19	12.2	12,829
Vendor	0.22	7.16	2.98	0.06	2.33	0.73	5.96	7,379
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.52	0.56	8.47	0.00	2.48	0.58	2.02	2,124
Vendor	0.04	1.31	0.54	0.01	0.42	0.13	0.99	1,222
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.21. Building Construction (2032) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	7.87	12.8	0.02	0.22	0.21	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	7.87	12.8	0.02	0.22	0.21	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	5.18	8.41	0.02	0.15	0.14	—	1,581
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.94	1.53	< 0.005	0.03	0.02	—	262
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	4.35	3.73	86.9	0.00	19.2	4.49	35.1	19,259
Vendor	0.32	9.29	4.00	0.08	3.27	1.02	17.4	10,018
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	3.64	4.33	49.0	0.00	19.2	4.49	0.91	16,589
Vendor	0.28	9.97	4.17	0.08	3.27	1.02	0.45	10,012
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	2.50	2.43	40.5	0.00	12.5	2.93	9.95	11,646
Vendor	0.20	6.40	2.68	0.05	2.14	0.67	4.94	6,584
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.46	0.44	7.38	0.00	2.29	0.54	1.65	1,928
Vendor	0.04	1.17	0.49	0.01	0.39	0.12	0.82	1,090
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.22. Building Construction (2032) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	6.69	12.8	0.02	0.22	0.21	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	6.69	12.8	0.02	0.22	0.21	—	2,405

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	4.40	8.41	0.02	0.15	0.14	—	1,581
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.80	1.53	< 0.005	0.03	0.02	—	262
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	4.35	3.73	86.9	0.00	19.2	4.49	35.1	19,259
Vendor	0.32	9.29	4.00	0.08	3.27	1.02	17.4	10,018
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	3.64	4.33	49.0	0.00	19.2	4.49	0.91	16,589
Vendor	0.28	9.97	4.17	0.08	3.27	1.02	0.45	10,012
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	2.50	2.43	40.5	0.00	12.5	2.93	9.95	11,646
Vendor	0.20	6.40	2.68	0.05	2.14	0.67	4.94	6,584
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.46	0.44	7.38	0.00	2.29	0.54	1.65	1,928
Vendor	0.04	1.17	0.49	0.01	0.39	0.12	0.82	1,090
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.23. Paving (2027) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	6.94	9.95	0.01	0.30	0.27	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	6.94	9.95	0.01	0.30	0.27	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	2.50	3.58	0.01	0.11	0.10	—	546
Paving	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.46	0.65	< 0.005	0.02	0.02	—	90.4
Paving	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.06	0.06	1.24	0.00	0.20	0.05	0.63	217
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.05	0.07	0.70	0.00	0.20	0.05	0.02	184
Vendor	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

Average Daily	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.32	0.00	0.07	0.02	0.10	70.9
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.06	0.00	0.01	< 0.005	0.02	11.7
Vendor	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

3.24. Paving (2027) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	5.90	9.95	0.01	0.30	0.27	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	5.90	9.95	0.01	0.30	0.27	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	2.13	3.58	0.01	0.11	0.10	—	546
Paving	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.39	0.65	< 0.005	0.02	0.02	—	90.4

Paving	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.06	0.06	1.24	0.00	0.20	0.05	0.63	217
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.05	0.07	0.70	0.00	0.20	0.05	0.02	184
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.32	0.00	0.07	0.02	0.10	70.9
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.06	0.00	0.01	< 0.005	0.02	11.7
Vendor	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

3.25. Paving (2028) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	6.63	9.91	0.01	0.26	0.24	—	1,516
Paving	0.12	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	6.63	9.91	0.01	0.26	0.24	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	4.75	7.10	0.01	0.18	0.17	—	1,086
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.87	1.30	< 0.005	0.03	0.03	—	180
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.06	0.06	1.16	0.00	0.20	0.05	0.57	212
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.65	0.00	0.20	0.05	0.01	181
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.59	0.00	0.14	0.03	0.18	138
Vendor	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
Annual	—	—	—	—	—	—	—	—

Worker	0.01	0.01	0.11	0.00	0.03	0.01	0.03	22.9
Vendor	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

3.26. Paving (2028) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	5.63	9.91	0.01	0.26	0.24	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	5.63	9.91	0.01	0.26	0.24	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	4.03	7.10	0.01	0.18	0.17	—	1,086
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.74	1.30	< 0.005	0.03	0.03	—	180
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.06	0.06	1.16	0.00	0.20	0.05	0.57	212

Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.65	0.00	0.20	0.05	0.01	181
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.59	0.00	0.14	0.03	0.18	138
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.11	0.00	0.03	0.01	0.03	22.9
Vendor	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

3.27. Paving (2029) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	6.46	9.92	0.01	0.24	0.22	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	6.46	9.92	0.01	0.24	0.22	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.48	4.61	7.08	0.01	0.17	0.16	—	1,083
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.84	1.29	< 0.005	0.03	0.03	—	179
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.06	0.05	1.08	0.00	0.20	0.05	0.51	209
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.06	0.61	0.00	0.20	0.05	0.01	178
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.54	0.00	0.14	0.03	0.16	136
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.03	0.01	0.03	22.5
Vendor	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

3.28. Paving (2029) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	5.49	9.92	0.01	0.24	0.22	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	5.49	9.92	0.01	0.24	0.22	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.48	3.92	7.08	0.01	0.17	0.16	—	1,083
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.72	1.29	< 0.005	0.03	0.03	—	179
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.06	0.05	1.08	0.00	0.20	0.05	0.51	209
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.06	0.61	0.00	0.20	0.05	0.01	178
Vendor	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

Average Daily	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.54	0.00	0.14	0.03	0.16	136
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.03	0.01	0.03	22.5
Vendor	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

3.29. Paving (2030) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	6.28	9.90	0.01	0.22	0.20	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	6.28	9.90	0.01	0.22	0.20	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	4.49	7.07	0.01	0.16	0.14	—	1,083
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.82	1.29	< 0.005	0.03	0.03	—	179

Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.05	0.05	1.01	0.00	0.20	0.05	0.45	205
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.57	0.00	0.20	0.05	0.01	175
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.03	0.04	0.51	0.00	0.14	0.03	0.14	133
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.03	0.01	0.02	22.1
Vendor	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

3.30. Paving (2030) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	5.34	9.90	0.01	0.22	0.20	—	1,516
Paving	0.12	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	5.34	9.90	0.01	0.22	0.20	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	3.81	7.07	0.01	0.16	0.14	—	1,083
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.70	1.29	< 0.005	0.03	0.03	—	179
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.05	0.05	1.01	0.00	0.20	0.05	0.45	205
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.57	0.00	0.20	0.05	0.01	175
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.03	0.04	0.51	0.00	0.14	0.03	0.14	133
Vendor	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
Annual	—	—	—	—	—	—	—	—

Worker	0.01	0.01	0.09	0.00	0.03	0.01	0.02	22.1
Vendor	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

3.31. Paving (2031) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	6.13	9.88	0.01	0.21	0.19	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	6.13	9.88	0.01	0.21	0.19	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	4.38	7.06	0.01	0.15	0.14	—	1,083
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.80	1.29	< 0.005	0.03	0.03	—	179
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.94	0.00	0.20	0.05	0.41	202

Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.53	0.00	0.20	0.05	0.01	172
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.47	0.00	0.14	0.03	0.12	131
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.03	0.01	0.02	21.7
Vendor	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

3.32. Paving (2031) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	5.21	9.88	0.01	0.21	0.19	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	5.21	9.88	0.01	0.21	0.19	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	3.72	7.06	0.01	0.15	0.14	—	1,083
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.68	1.29	< 0.005	0.03	0.03	—	179
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.94	0.00	0.20	0.05	0.41	202
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.53	0.00	0.20	0.05	0.01	172
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.47	0.00	0.14	0.03	0.12	131
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.03	0.01	0.02	21.7
Vendor	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

3.33. Paving (2032) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	6.00	9.86	0.01	0.20	0.18	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	6.00	9.86	0.01	0.20	0.18	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	3.94	6.48	0.01	0.13	0.12	—	997
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.72	1.18	< 0.005	0.02	0.02	—	165
Paving	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.89	0.00	0.20	0.05	0.36	197
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.50	0.00	0.20	0.05	0.01	170
Vendor	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

Average Daily	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.41	0.00	0.13	0.03	0.10	119
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.08	0.00	0.02	0.01	0.02	19.7
Vendor	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

3.34. Paving (2032) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	5.10	9.86	0.01	0.20	0.18	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	5.10	9.86	0.01	0.20	0.18	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	3.35	6.48	0.01	0.13	0.12	—	997
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.61	1.18	< 0.005	0.02	0.02	—	165

Paving	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.89	0.00	0.20	0.05	0.36	197
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.50	0.00	0.20	0.05	0.01	170
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.41	0.00	0.13	0.03	0.10	119
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.08	0.00	0.02	0.01	0.02	19.7
Vendor	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

3.35. Architectural Coating (2028) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.81	1.12	< 0.005	0.02	0.01	—	134

Architectural Coatings	18.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.81	1.12	< 0.005	0.02	0.01	—	134
Architectural Coatings	18.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.29	0.40	< 0.005	0.01	0.01	—	48.2
Architectural Coatings	6.70	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.05	0.07	< 0.005	< 0.005	< 0.005	—	7.99
Architectural Coatings	1.22	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	1.21	1.14	22.6	0.00	3.83	0.90	11.1	4,152
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	1.01	1.26	12.7	0.00	3.83	0.90	0.29	3,535
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.38	0.41	5.75	0.00	1.37	0.32	1.72	1,360

Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.07	0.07	1.05	0.00	0.25	0.06	0.29	225
Vendor	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

3.36. Architectural Coating (2028) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.69	1.12	< 0.005	0.02	0.01	—	134
Architectural Coatings	18.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.69	1.12	< 0.005	0.02	0.01	—	134
Architectural Coatings	18.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.25	0.40	< 0.005	0.01	0.01	—	48.2
Architectural Coatings	6.70	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.05	0.07	< 0.005	< 0.005	< 0.005	—	7.99

Architectural Coatings	1.22	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	1.21	1.14	22.6	0.00	3.83	0.90	11.1	4,152
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	1.01	1.26	12.7	0.00	3.83	0.90	0.29	3,535
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.38	0.41	5.75	0.00	1.37	0.32	1.72	1,360
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.07	0.07	1.05	0.00	0.25	0.06	0.29	225
Vendor	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

3.37. Architectural Coating (2029) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.79	1.11	< 0.005	0.01	0.01	—	134

Architectural Coatings	18.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.79	1.11	< 0.005	0.01	0.01	—	134
Architectural Coatings	18.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.57	0.79	< 0.005	0.01	0.01	—	95.7
Architectural Coatings	13.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.10	0.14	< 0.005	< 0.005	< 0.005	—	15.8
Architectural Coatings	2.43	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	1.14	1.01	21.0	0.00	3.83	0.90	9.93	4,077
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.84	1.13	12.0	0.00	3.83	0.90	0.26	3,473
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.72	0.71	10.6	0.00	2.72	0.64	3.07	2,651

Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.13	0.13	1.94	0.00	0.50	0.12	0.51	439
Vendor	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

3.38. Architectural Coating (2029) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.68	1.11	< 0.005	0.01	0.01	—	134
Architectural Coatings	18.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.68	1.11	< 0.005	0.01	0.01	—	134
Architectural Coatings	18.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.48	0.79	< 0.005	0.01	0.01	—	95.7
Architectural Coatings	13.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.09	0.14	< 0.005	< 0.005	< 0.005	—	15.8

Architectural Coatings	2.43	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	1.14	1.01	21.0	0.00	3.83	0.90	9.93	4,077
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.84	1.13	12.0	0.00	3.83	0.90	0.26	3,473
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.72	0.71	10.6	0.00	2.72	0.64	3.07	2,651
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.13	0.13	1.94	0.00	0.50	0.12	0.51	439
Vendor	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

3.39. Architectural Coating (2030) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.78	1.11	< 0.005	0.01	0.01	—	134

Architectural Coatings	18.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.78	1.11	< 0.005	0.01	0.01	—	134
Architectural Coatings	18.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.56	0.79	< 0.005	0.01	0.01	—	95.7
Architectural Coatings	13.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.10	0.14	< 0.005	< 0.005	< 0.005	—	15.8
Architectural Coatings	2.43	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.97	0.89	19.7	0.00	3.83	0.90	8.87	4,007
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.81	1.00	11.1	0.00	3.83	0.90	0.23	3,416
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.60	0.71	9.96	0.00	2.72	0.64	2.74	2,607

Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.11	0.13	1.82	0.00	0.50	0.12	0.45	432
Vendor	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

3.40. Architectural Coating (2030) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.67	1.11	< 0.005	0.01	0.01	—	134
Architectural Coatings	18.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.67	1.11	< 0.005	0.01	0.01	—	134
Architectural Coatings	18.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.48	0.79	< 0.005	0.01	0.01	—	95.7
Architectural Coatings	13.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.09	0.14	< 0.005	< 0.005	< 0.005	—	15.8

Architectural Coatings	2.43	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.97	0.89	19.7	0.00	3.83	0.90	8.87	4,007
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.81	1.00	11.1	0.00	3.83	0.90	0.23	3,416
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.60	0.71	9.96	0.00	2.72	0.64	2.74	2,607
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.11	0.13	1.82	0.00	0.50	0.12	0.45	432
Vendor	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

3.41. Architectural Coating (2031) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.78	1.10	< 0.005	0.01	0.01	—	134

Architectural Coatings	18.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.78	1.10	< 0.005	0.01	0.01	—	134
Architectural Coatings	18.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.55	0.79	< 0.005	0.01	0.01	—	95.7
Architectural Coatings	13.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.10	0.14	< 0.005	< 0.005	< 0.005	—	15.8
Architectural Coatings	2.43	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.91	0.87	18.4	0.00	3.83	0.90	7.92	3,943
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.77	0.88	10.4	0.00	3.83	0.90	0.21	3,363
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.57	0.62	9.28	0.00	2.72	0.64	2.44	2,566

Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.10	0.11	1.69	0.00	0.50	0.12	0.40	425
Vendor	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

3.42. Architectural Coating (2031) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.66	1.10	< 0.005	0.01	0.01	—	134
Architectural Coatings	18.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.66	1.10	< 0.005	0.01	0.01	—	134
Architectural Coatings	18.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.47	0.79	< 0.005	0.01	0.01	—	95.7
Architectural Coatings	13.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.09	0.14	< 0.005	< 0.005	< 0.005	—	15.8

Architectural Coatings	2.43	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.91	0.87	18.4	0.00	3.83	0.90	7.92	3,943
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.77	0.88	10.4	0.00	3.83	0.90	0.21	3,363
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.57	0.62	9.28	0.00	2.72	0.64	2.44	2,566
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.10	0.11	1.69	0.00	0.50	0.12	0.40	425
Vendor	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

3.43. Architectural Coating (2032) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.77	1.10	< 0.005	0.01	0.01	—	134

Architectural Coatings	18.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.77	1.10	< 0.005	0.01	0.01	—	134
Architectural Coatings	18.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.51	0.72	< 0.005	0.01	< 0.005	—	88.1
Architectural Coatings	12.2	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.09	0.13	< 0.005	< 0.005	< 0.005	—	14.6
Architectural Coatings	2.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.87	0.75	17.4	0.00	3.83	0.90	7.03	3,852
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.73	0.87	9.81	0.00	3.83	0.90	0.18	3,318
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.50	0.49	8.09	0.00	2.51	0.59	1.99	2,329

Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.09	0.09	1.48	0.00	0.46	0.11	0.33	386
Vendor	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

3.44. Architectural Coating (2032) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.65	1.10	< 0.005	0.01	0.01	—	134
Architectural Coatings	18.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.65	1.10	< 0.005	0.01	0.01	—	134
Architectural Coatings	18.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.43	0.72	< 0.005	0.01	< 0.005	—	88.1
Architectural Coatings	12.2	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.08	0.13	< 0.005	< 0.005	< 0.005	—	14.6

Architectural Coatings	2.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.87	0.75	17.4	0.00	3.83	0.90	7.03	3,852
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.73	0.87	9.81	0.00	3.83	0.90	0.18	3,318
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.50	0.49	8.09	0.00	2.51	0.59	1.99	2,329
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.09	0.09	1.48	0.00	0.46	0.11	0.33	386
Vendor	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

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	6.64	7.35	81.2	0.22	20.7	5.35	36.9	23,208
Regional Shopping Center	17.5	13.4	131	0.32	29.3	7.56	52.1	33,458
Condo/Townhouse	7.50	6.83	71.2	0.19	17.1	4.43	30.5	19,361
Strip Mall	9.58	10.6	117	0.32	29.9	7.71	53.2	33,448
General Office Building	0.33	0.37	4.08	0.01	1.04	0.27	1.86	1,166
Unrefrigerated Warehouse-No Rail	2.28	2.53	27.9	0.08	7.13	1.84	12.7	7,978
Single Family Housing	12.1	11.0	115	0.30	27.7	7.15	49.3	31,270
Mobile Home Park	6.06	5.51	57.4	0.15	13.8	3.57	24.6	15,601
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	62.1	57.6	605	1.59	147	37.9	261	165,490
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	5.58	7.99	54.3	0.20	20.7	5.35	0.96	20,642
Regional Shopping Center	14.5	14.5	95.2	0.29	29.3	7.56	1.35	29,851
Condo/Townhouse	6.23	7.39	49.5	0.17	17.1	4.43	0.79	17,243
Strip Mall	8.04	11.5	78.2	0.29	29.9	7.71	1.38	29,750
General Office Building	0.28	0.40	2.73	0.01	1.04	0.27	0.05	1,037
Unrefrigerated Warehouse-No Rail	1.92	2.75	18.7	0.07	7.13	1.84	0.33	7,096
Single Family Housing	10.1	11.9	79.9	0.27	27.7	7.15	1.28	27,850

Mobile Home Park	5.04	5.97	39.9	0.13	13.8	3.57	0.64	13,895
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	51.6	62.4	418	1.42	147	37.9	6.77	147,364
Annual	—	—	—	—	—	—	—	—
Hotel	0.91	1.20	9.78	0.03	3.22	0.83	2.26	3,064
Regional Shopping Center	2.52	2.20	16.5	0.05	4.47	1.15	3.13	4,370
Condo/Townhouse	1.01	1.09	8.61	0.03	2.63	0.68	1.84	2,528
Strip Mall	1.31	1.71	14.0	0.05	4.60	1.19	3.23	4,382
General Office Building	0.04	0.05	0.43	< 0.005	0.14	0.04	0.10	136
Unrefrigerated Warehouse-No Rail	0.25	0.33	2.71	0.01	0.89	0.23	0.63	849
Single Family Housing	1.72	1.86	14.7	0.05	4.48	1.16	3.14	4,305
Mobile Home Park	0.76	0.82	6.47	0.02	1.97	0.51	1.38	1,899
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	8.53	9.27	73.1	0.23	22.4	5.78	15.7	21,532

4.1.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	6.64	7.35	81.2	0.22	20.7	5.35	36.9	23,208
Regional Shopping Center	17.5	13.4	131	0.32	29.3	7.56	52.1	33,458
Condo/Townhouse	7.50	6.83	71.2	0.19	17.1	4.43	30.5	19,361
Strip Mall	9.58	10.6	117	0.32	29.9	7.71	53.2	33,448
General Office Building	0.33	0.37	4.08	0.01	1.04	0.27	1.86	1,166
Unrefrigerated Warehouse-No Rail	2.28	2.53	27.9	0.08	7.13	1.84	12.7	7,978
Single Family Housing	12.1	11.0	115	0.30	27.7	7.15	49.3	31,270
Mobile Home Park	6.06	5.51	57.4	0.15	13.8	3.57	24.6	15,601
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	62.1	57.6	605	1.59	147	37.9	261	165,490
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	5.58	7.99	54.3	0.20	20.7	5.35	0.96	20,642
Regional Shopping Center	14.5	14.5	95.2	0.29	29.3	7.56	1.35	29,851
Condo/Townhouse	6.23	7.39	49.5	0.17	17.1	4.43	0.79	17,243
Strip Mall	8.04	11.5	78.2	0.29	29.9	7.71	1.38	29,750
General Office Building	0.28	0.40	2.73	0.01	1.04	0.27	0.05	1,037
Unrefrigerated Warehouse-No Rail	1.92	2.75	18.7	0.07	7.13	1.84	0.33	7,096
Single Family Housing	10.1	11.9	79.9	0.27	27.7	7.15	1.28	27,850

Mobile Home Park	5.04	5.97	39.9	0.13	13.8	3.57	0.64	13,895
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	51.6	62.4	418	1.42	147	37.9	6.77	147,364
Annual	—	—	—	—	—	—	—	—
Hotel	0.91	1.20	9.78	0.03	3.22	0.83	2.26	3,064
Regional Shopping Center	2.52	2.20	16.5	0.05	4.47	1.15	3.13	4,370
Condo/Townhouse	1.01	1.09	8.61	0.03	2.63	0.68	1.84	2,528
Strip Mall	1.31	1.71	14.0	0.05	4.60	1.19	3.23	4,382
General Office Building	0.04	0.05	0.43	< 0.005	0.14	0.04	0.10	136
Unrefrigerated Warehouse-No Rail	0.25	0.33	2.71	0.01	0.89	0.23	0.63	849
Single Family Housing	1.72	1.86	14.7	0.05	4.48	1.16	3.14	4,305
Mobile Home Park	0.76	0.82	6.47	0.02	1.97	0.51	1.38	1,899
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	8.53	9.27	73.1	0.23	22.4	5.78	15.7	21,532

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	1,633
Regional Shopping Center	—	—	—	—	—	—	—	2,013
Condo/Townhouse	—	—	—	—	—	—	—	1,697
Strip Mall	—	—	—	—	—	—	—	755
General Office Building	—	—	—	—	—	—	—	259
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	4,566
Single Family Housing	—	—	—	—	—	—	—	3,319
Mobile Home Park	—	—	—	—	—	—	—	3,818
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	1,006
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	19,066
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	1,633
Regional Shopping Center	—	—	—	—	—	—	—	2,013
Condo/Townhouse	—	—	—	—	—	—	—	1,697
Strip Mall	—	—	—	—	—	—	—	755
General Office Building	—	—	—	—	—	—	—	259
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	4,566

Single Family Housing	—	—	—	—	—	—	—	3,319
Mobile Home Park	—	—	—	—	—	—	—	3,818
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	1,006
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	19,066
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	270
Regional Shopping Center	—	—	—	—	—	—	—	333
Condo/Townhouse	—	—	—	—	—	—	—	281
Strip Mall	—	—	—	—	—	—	—	125
General Office Building	—	—	—	—	—	—	—	42.9
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	756
Single Family Housing	—	—	—	—	—	—	—	550
Mobile Home Park	—	—	—	—	—	—	—	632
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	166
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	3,157

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	1,178
Regional Shopping Center	—	—	—	—	—	—	—	1,469
Condo/Townhouse	—	—	—	—	—	—	—	1,248
Strip Mall	—	—	—	—	—	—	—	551
General Office Building	—	—	—	—	—	—	—	194
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	3,534
Single Family Housing	—	—	—	—	—	—	—	2,177
Mobile Home Park	—	—	—	—	—	—	—	2,920
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	804
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	14,075
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	1,178
Regional Shopping Center	—	—	—	—	—	—	—	1,469
Condo/Townhouse	—	—	—	—	—	—	—	1,248
Strip Mall	—	—	—	—	—	—	—	551
General Office Building	—	—	—	—	—	—	—	194
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	3,534

Single Family Housing	—	—	—	—	—	—	—	2,177
Mobile Home Park	—	—	—	—	—	—	—	2,920
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	804
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	14,075
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	195
Regional Shopping Center	—	—	—	—	—	—	—	243
Condo/Townhouse	—	—	—	—	—	—	—	207
Strip Mall	—	—	—	—	—	—	—	91.2
General Office Building	—	—	—	—	—	—	—	32.2
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	585
Single Family Housing	—	—	—	—	—	—	—	360
Mobile Home Park	—	—	—	—	—	—	—	483
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	133
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	2,330

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	0.11	2.02	1.69	0.01	0.15	0.15	—	2,411
Regional Shopping Center	0.02	0.36	0.30	< 0.005	0.03	0.03	—	431
Condo/Townhouse	0.10	1.79	0.76	0.01	0.14	0.14	—	2,278
Strip Mall	0.01	0.14	0.11	< 0.005	0.01	0.01	—	162
General Office Building	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	—	34.4
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	0.27	4.69	1.99	0.03	0.38	0.38	—	5,966
Mobile Home Park	0.19	3.25	1.38	0.02	0.26	0.26	—	4,139
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.71	12.3	6.27	0.08	0.98	0.98	—	15,422
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	0.11	2.02	1.69	0.01	0.15	0.15	—	2,411
Regional Shopping Center	0.02	0.36	0.30	< 0.005	0.03	0.03	—	431
Condo/Townhouse	0.10	1.79	0.76	0.01	0.14	0.14	—	2,278
Strip Mall	0.01	0.14	0.11	< 0.005	0.01	0.01	—	162
General Office Building	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	—	34.4
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

Single Family Housing	0.27	4.69	1.99	0.03	0.38	0.38	—	5,966
Mobile Home Park	0.19	3.25	1.38	0.02	0.26	0.26	—	4,139
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.71	12.3	6.27	0.08	0.98	0.98	—	15,422
Annual	—	—	—	—	—	—	—	—
Hotel	0.02	0.37	0.31	< 0.005	0.03	0.03	—	399
Regional Shopping Center	< 0.005	0.07	0.06	< 0.005	0.01	0.01	—	71.4
Condo/Townhouse	0.02	0.33	0.14	< 0.005	0.03	0.03	—	377
Strip Mall	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	26.8
General Office Building	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	—	5.70
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	0.05	0.86	0.36	0.01	0.07	0.07	—	988
Mobile Home Park	0.03	0.59	0.25	< 0.005	0.05	0.05	—	685
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.13	2.24	1.14	0.01	0.18	0.18	—	2,553

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	0.10	1.89	1.59	0.01	0.14	0.14	—	2,260
Regional Shopping Center	0.02	0.34	0.29	< 0.005	0.03	0.03	—	413
Condo/Townhouse	0.10	1.63	0.69	0.01	0.13	0.13	—	2,073
Strip Mall	0.01	0.13	0.11	< 0.005	0.01	0.01	—	155
General Office Building	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	—	32.7
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	0.25	4.28	1.82	0.03	0.35	0.35	—	5,453
Mobile Home Park	0.17	2.96	1.26	0.02	0.24	0.24	—	3,761
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.65	11.3	5.78	0.07	0.90	0.90	—	14,147
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	0.10	1.89	1.59	0.01	0.14	0.14	—	2,260
Regional Shopping Center	0.02	0.34	0.29	< 0.005	0.03	0.03	—	413
Condo/Townhouse	0.10	1.63	0.69	0.01	0.13	0.13	—	2,073
Strip Mall	0.01	0.13	0.11	< 0.005	0.01	0.01	—	155
General Office Building	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	—	32.7
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

Single Family Housing	0.25	4.28	1.82	0.03	0.35	0.35	—	5,453
Mobile Home Park	0.17	2.96	1.26	0.02	0.24	0.24	—	3,761
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.65	11.3	5.78	0.07	0.90	0.90	—	14,147
Annual	—	—	—	—	—	—	—	—
Hotel	0.02	0.34	0.29	< 0.005	0.03	0.03	—	374
Regional Shopping Center	< 0.005	0.06	0.05	< 0.005	< 0.005	< 0.005	—	68.3
Condo/Townhouse	0.02	0.30	0.13	< 0.005	0.02	0.02	—	343
Strip Mall	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	25.6
General Office Building	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.41
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	0.05	0.78	0.33	< 0.005	0.06	0.06	—	903
Mobile Home Park	0.03	0.54	0.23	< 0.005	0.04	0.04	—	623
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.12	2.05	1.06	0.01	0.16	0.16	—	2,342

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hearths	0.73	12.4	5.29	0.08	1.00	1.00	—	16,839
Consumer Products	59.8	—	—	—	—	—	—	—
Architectural Coatings	5.88	—	—	—	—	—	—	—
Landscape Equipment	16.3	1.30	145	0.01	0.13	0.10	—	457
Total	82.6	13.7	150	0.09	1.13	1.10	—	17,296
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hearths	0.73	12.4	5.29	0.08	1.00	1.00	—	16,839
Consumer Products	59.8	—	—	—	—	—	—	—
Architectural Coatings	5.88	—	—	—	—	—	—	—
Total	66.4	12.4	5.29	0.08	1.00	1.00	—	16,839
Annual	—	—	—	—	—	—	—	—
Hearths	0.01	0.16	0.07	< 0.005	0.01	0.01	—	191
Consumer Products	10.9	—	—	—	—	—	—	—
Architectural Coatings	1.07	—	—	—	—	—	—	—
Landscape Equipment	1.46	0.12	13.0	< 0.005	0.01	0.01	—	37.3
Total	13.5	0.27	13.1	< 0.005	0.02	0.02	—	228

4.3.2. Mitigated

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

Source	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hearths	0.73	12.4	5.29	0.08	1.00	1.00	—	16,839
Consumer Products	55.3	—	—	—	—	—	—	—
Architectural Coatings	5.88	—	—	—	—	—	—	—
Landscape Equipment	16.3	1.30	145	0.01	0.13	0.10	—	457
Total	78.2	13.7	150	0.09	1.13	1.10	—	17,296
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hearths	0.73	12.4	5.29	0.08	1.00	1.00	—	16,839
Consumer Products	55.3	—	—	—	—	—	—	—
Architectural Coatings	5.88	—	—	—	—	—	—	—
Total	61.9	12.4	5.29	0.08	1.00	1.00	—	16,839
Annual	—	—	—	—	—	—	—	—
Hearths	0.01	0.16	0.07	< 0.005	0.01	0.01	—	191
Consumer Products	10.1	—	—	—	—	—	—	—
Architectural Coatings	1.07	—	—	—	—	—	—	—
Landscape Equipment	1.46	0.12	13.0	< 0.005	0.01	0.01	—	37.3
Total	12.6	0.27	13.1	< 0.005	0.02	0.02	—	228

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Hotel	—	—	—	—	—	—	—	53.3
Regional Shopping Center	—	—	—	—	—	—	—	179
Condo/Townhouse	—	—	—	—	—	—	—	170
Strip Mall	—	—	—	—	—	—	—	178
General Office Building	—	—	—	—	—	—	—	135
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,697
Single Family Housing	—	—	—	—	—	—	—	646
Mobile Home Park	—	—	—	—	—	—	—	418
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	3,477
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	53.3
Regional Shopping Center	—	—	—	—	—	—	—	179
Condo/Townhouse	—	—	—	—	—	—	—	170
Strip Mall	—	—	—	—	—	—	—	178
General Office Building	—	—	—	—	—	—	—	135
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,697
Single Family Housing	—	—	—	—	—	—	—	646
Mobile Home Park	—	—	—	—	—	—	—	418

User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	3,477
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	8.82
Regional Shopping Center	—	—	—	—	—	—	—	29.7
Condo/Townhouse	—	—	—	—	—	—	—	28.2
Strip Mall	—	—	—	—	—	—	—	29.5
General Office Building	—	—	—	—	—	—	—	22.3
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	281
Single Family Housing	—	—	—	—	—	—	—	107
Mobile Home Park	—	—	—	—	—	—	—	69.2
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	576

4.4.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Hotel	—	—	—	—	—	—	—	48.0
Regional Shopping Center	—	—	—	—	—	—	—	179
Condo/Townhouse	—	—	—	—	—	—	—	165
Strip Mall	—	—	—	—	—	—	—	178
General Office Building	—	—	—	—	—	—	—	135
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,697
Single Family Housing	—	—	—	—	—	—	—	646
Mobile Home Park	—	—	—	—	—	—	—	402
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	3,450
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	48.0
Regional Shopping Center	—	—	—	—	—	—	—	179
Condo/Townhouse	—	—	—	—	—	—	—	165
Strip Mall	—	—	—	—	—	—	—	178
General Office Building	—	—	—	—	—	—	—	135
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,697
Single Family Housing	—	—	—	—	—	—	—	646
Mobile Home Park	—	—	—	—	—	—	—	402

User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	3,450
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	7.94
Regional Shopping Center	—	—	—	—	—	—	—	29.7
Condo/Townhouse	—	—	—	—	—	—	—	27.3
Strip Mall	—	—	—	—	—	—	—	29.5
General Office Building	—	—	—	—	—	—	—	22.3
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	281
Single Family Housing	—	—	—	—	—	—	—	107
Mobile Home Park	—	—	—	—	—	—	—	66.5
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	571

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	155
Regional Shopping Center	—	—	—	—	—	—	—	396
Condo/Townhouse	—	—	—	—	—	—	—	474
Strip Mall	—	—	—	—	—	—	—	148
General Office Building	—	—	—	—	—	—	—	17.5
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,060
Single Family Housing	—	—	—	—	—	—	—	901
Mobile Home Park	—	—	—	—	—	—	—	1,144
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	4,295
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	155
Regional Shopping Center	—	—	—	—	—	—	—	396
Condo/Townhouse	—	—	—	—	—	—	—	474
Strip Mall	—	—	—	—	—	—	—	148
General Office Building	—	—	—	—	—	—	—	17.5
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,060

Single Family Housing	—	—	—	—	—	—	—	901
Mobile Home Park	—	—	—	—	—	—	—	1,144
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	4,295
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	25.6
Regional Shopping Center	—	—	—	—	—	—	—	65.6
Condo/Townhouse	—	—	—	—	—	—	—	78.5
Strip Mall	—	—	—	—	—	—	—	24.6
General Office Building	—	—	—	—	—	—	—	2.90
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	175
Single Family Housing	—	—	—	—	—	—	—	149
Mobile Home Park	—	—	—	—	—	—	—	189
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	711

4.5.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	155
Regional Shopping Center	—	—	—	—	—	—	—	396
Condo/Townhouse	—	—	—	—	—	—	—	474
Strip Mall	—	—	—	—	—	—	—	148
General Office Building	—	—	—	—	—	—	—	17.5
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,060
Single Family Housing	—	—	—	—	—	—	—	901
Mobile Home Park	—	—	—	—	—	—	—	1,144
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	4,295
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	155
Regional Shopping Center	—	—	—	—	—	—	—	396
Condo/Townhouse	—	—	—	—	—	—	—	474
Strip Mall	—	—	—	—	—	—	—	148
General Office Building	—	—	—	—	—	—	—	17.5
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,060

Single Family Housing	—	—	—	—	—	—	—	901
Mobile Home Park	—	—	—	—	—	—	—	1,144
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	4,295
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	25.6
Regional Shopping Center	—	—	—	—	—	—	—	65.6
Condo/Townhouse	—	—	—	—	—	—	—	78.5
Strip Mall	—	—	—	—	—	—	—	24.6
General Office Building	—	—	—	—	—	—	—	2.90
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	175
Single Family Housing	—	—	—	—	—	—	—	149
Mobile Home Park	—	—	—	—	—	—	—	189
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	711

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	340	340
Regional Shopping Center	—	—	—	—	—	—	0.96	0.96
Condo/Townhouse	—	—	—	—	—	—	2.34	2.34
Strip Mall	—	—	—	—	—	—	0.47	0.47
General Office Building	—	—	—	—	—	—	0.02	0.02
Single Family Housing	—	—	—	—	—	—	7.29	7.29
Mobile Home Park	—	—	—	—	—	—	2.28	2.28
Total	—	—	—	—	—	—	354	354
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	340	340
Regional Shopping Center	—	—	—	—	—	—	0.96	0.96
Condo/Townhouse	—	—	—	—	—	—	2.34	2.34
Strip Mall	—	—	—	—	—	—	0.47	0.47
General Office Building	—	—	—	—	—	—	0.02	0.02
Single Family Housing	—	—	—	—	—	—	7.29	7.29
Mobile Home Park	—	—	—	—	—	—	2.28	2.28
Total	—	—	—	—	—	—	354	354
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	56.4	56.4

Regional Shopping Center	—	—	—	—	—	—	0.16	0.16
Condo/Townhouse	—	—	—	—	—	—	0.39	0.39
Strip Mall	—	—	—	—	—	—	0.08	0.08
General Office Building	—	—	—	—	—	—	< 0.005	< 0.005
Single Family Housing	—	—	—	—	—	—	1.21	1.21
Mobile Home Park	—	—	—	—	—	—	0.38	0.38
Total	—	—	—	—	—	—	58.6	58.6

4.6.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	340	340
Regional Shopping Center	—	—	—	—	—	—	0.96	0.96
Condo/Townhouse	—	—	—	—	—	—	2.34	2.34
Strip Mall	—	—	—	—	—	—	0.47	0.47
General Office Building	—	—	—	—	—	—	0.02	0.02
Single Family Housing	—	—	—	—	—	—	7.29	7.29
Mobile Home Park	—	—	—	—	—	—	2.28	2.28
Total	—	—	—	—	—	—	354	354
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	340	340
Regional Shopping Center	—	—	—	—	—	—	0.96	0.96

Condo/Townhouse	—	—	—	—	—	—	2.34	2.34
Strip Mall	—	—	—	—	—	—	0.47	0.47
General Office Building	—	—	—	—	—	—	0.02	0.02
Single Family Housing	—	—	—	—	—	—	7.29	7.29
Mobile Home Park	—	—	—	—	—	—	2.28	2.28
Total	—	—	—	—	—	—	354	354
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	56.4	56.4
Regional Shopping Center	—	—	—	—	—	—	0.16	0.16
Condo/Townhouse	—	—	—	—	—	—	0.39	0.39
Strip Mall	—	—	—	—	—	—	0.08	0.08
General Office Building	—	—	—	—	—	—	< 0.005	< 0.005
Single Family Housing	—	—	—	—	—	—	1.21	1.21
Mobile Home Park	—	—	—	—	—	—	0.38	0.38
Total	—	—	—	—	—	—	58.6	58.6

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—

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

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

Vegetation	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—

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

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—

Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	1/1/2026	2/11/2026	5.00	30.0	—

Site Preparation	Site Preparation	2/12/2026	3/1/2027	5.00	273	—
Grading	Grading	6/1/2026	6/30/2027	5.00	283	—
Building Construction	Building Construction	7/1/2027	12/1/2032	5.00	1,415	—
Paving	Paving	7/1/2027	12/1/2032	5.00	1,415	—
Architectural Coating	Architectural Coating	7/1/2028	12/1/2032	5.00	1,153	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	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	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	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/Backhoes	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
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	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	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	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/Backhoes	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
Demolition	—	—	—	—
Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	21.1	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
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	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	3.31	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	1,466	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	364	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	293	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
Demolition	—	—	—	—
Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	21.1	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
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	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	3.31	20.0	HHDT
Grading	Onsite truck	—	—	HHDT

Building Construction	—	—	—	—
Building Construction	Worker	1,466	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	364	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	293	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

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	3,367,231	1,122,410	1,682,501	560,834	141,134

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	55,000	—
Site Preparation	—	—	410	0.00	—
Grading	4,400	7,500	849	0.00	—
Paving	0.00	0.00	0.00	0.00	76.8

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Hotel	0.00	0%
Regional Shopping Center	0.00	0%
Condo/Townhouse	—	0%
Strip Mall	0.00	0%
General Office Building	0.00	0%
Unrefrigerated Warehouse-No Rail	0.00	0%
Single Family Housing	5.75	0%
Mobile Home Park	6.00	80%
Mobile Home Park	6.00	80%

User Defined Industrial	5.00	0%
Parking Lot	38.7	100%
Other Asphalt Surfaces	15.3	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	262	0.03	< 0.005
2027	0.00	266	0.03	< 0.005
2028	0.00	275	0.03	< 0.005
2029	0.00	249	0.03	< 0.005
2030	0.00	247	0.03	< 0.005
2031	0.00	247	0.03	< 0.005
2032	0.00	247	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Hotel	1,835	2,157	1,577	672,956	24,776	29,131	21,291	9,088,540
Regional Shopping Center	6,080	6,422	4,220	2,140,047	34,758	41,081	26,995	12,611,717
Condo/Townhouse	2,292	2,615	1,391	806,295	21,102	24,076	12,805	7,424,720
Strip Mall	2,698	3,109	1,859	962,388	36,434	41,985	25,110	12,997,436
General Office Building	108	22.1	7.00	29,779	1,464	298	94.5	402,175
Unrefrigerated Warehouse-No Rail	419	742	742	186,465	5,653	10,015	10,015	2,518,285

Single Family Housing	3,899	4,223	2,610	1,372,905	35,907	38,887	24,034	12,642,306
Mobile Home Park	970	1,290	970	370,736	7,758	10,317	7,758	2,964,966
Mobile Home Park	621	826	621	237,271	6,829	9,082	6,829	2,609,979
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Hotel	1,835	2,157	1,577	672,956	24,776	29,131	21,291	9,088,540
Regional Shopping Center	6,080	6,422	4,220	2,140,047	34,758	41,081	26,995	12,611,717
Condo/Townhouse	2,292	2,615	1,391	806,295	21,102	24,076	12,805	7,424,720
Strip Mall	2,698	3,109	1,859	962,388	36,434	41,985	25,110	12,997,436
General Office Building	108	22.1	7.00	29,779	1,464	298	94.5	402,175
Unrefrigerated Warehouse-No Rail	419	742	742	186,465	5,653	10,015	10,015	2,518,285
Single Family Housing	3,899	4,223	2,610	1,372,905	35,907	38,887	24,034	12,642,306
Mobile Home Park	970	1,290	970	370,736	7,758	10,317	7,758	2,964,966
Mobile Home Park	621	826	621	237,271	6,829	9,082	6,829	2,609,979
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Condo/Townhouse	—
Wood Fireplaces	0
Gas Fireplaces	289
Propane Fireplaces	0
Electric Fireplaces	17
No Fireplaces	34
Conventional Wood Stoves	0
Catalytic Wood Stoves	17
Non-Catalytic Wood Stoves	17
Pellet Wood Stoves	0
Single Family Housing	—
Wood Fireplaces	25
Gas Fireplaces	410
Propane Fireplaces	0
Electric Fireplaces	26
No Fireplaces	52
Conventional Wood Stoves	0
Catalytic Wood Stoves	26
Non-Catalytic Wood Stoves	26
Pellet Wood Stoves	0
Mobile Home Park	—

Wood Fireplaces	0
Gas Fireplaces	425
Propane Fireplaces	0
Electric Fireplaces	25
No Fireplaces	50
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	320
No Fireplaces	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	25
Non-Catalytic Wood Stoves	25
Pellet Wood Stoves	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	16
Non-Catalytic Wood Stoves	16
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Condo/Townhouse	—
Wood Fireplaces	0
Gas Fireplaces	289
Propane Fireplaces	0
Electric Fireplaces	17
No Fireplaces	34

Conventional Wood Stoves	0
Catalytic Wood Stoves	17
Non-Catalytic Wood Stoves	17
Pellet Wood Stoves	0
Single Family Housing	—
Wood Fireplaces	25
Gas Fireplaces	410
Propane Fireplaces	0
Electric Fireplaces	26
No Fireplaces	52
Conventional Wood Stoves	0
Catalytic Wood Stoves	26
Non-Catalytic Wood Stoves	26
Pellet Wood Stoves	0
Mobile Home Park	—
Wood Fireplaces	0
Gas Fireplaces	425
Propane Fireplaces	0
Electric Fireplaces	25
No Fireplaces	50
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	320
No Fireplaces	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	25

Non-Catalytic Wood Stoves	25
Pellet Wood Stoves	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	16
Non-Catalytic Wood Stoves	16
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
3367230.75	1,122,410	1,682,501	560,834	141,134

5.10.3. Landscape Equipment

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

5.10.4. Landscape Equipment - Mitigated

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

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

Hotel	2,398,832	247	0.0330	0.0040	7,503,104
Regional Shopping Center	2,956,812	247	0.0330	0.0040	1,342,553
Condo/Townhouse	2,491,908	247	0.0330	0.0040	7,089,230
Strip Mall	1,108,805	247	0.0330	0.0040	503,458
General Office Building	380,325	247	0.0330	0.0040	107,164
Unrefrigerated Warehouse-No Rail	6,706,220	247	0.0330	0.0040	0.00
Single Family Housing	4,875,085	247	0.0330	0.0040	18,564,572
Mobile Home Park	3,419,003	247	0.0330	0.0040	12,878,656
Mobile Home Park	2,188,162	247	0.0330	0.0040	0.00
User Defined Industrial	0.00	247	0.0330	0.0040	0.00
Parking Lot	1,476,736	247	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	247	0.0330	0.0040	0.00

5.11.2. Mitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Hotel	1,729,965	247	0.0330	0.0040	7,031,287
Regional Shopping Center	2,157,410	247	0.0330	0.0040	1,283,694
Condo/Townhouse	1,832,201	247	0.0330	0.0040	6,449,552
Strip Mall	809,030	247	0.0330	0.0040	481,386
General Office Building	285,253	247	0.0330	0.0040	101,672
Unrefrigerated Warehouse-No Rail	5,190,067	247	0.0330	0.0040	0.00
Single Family Housing	3,197,620	247	0.0330	0.0040	16,967,457
Mobile Home Park	2,614,782	247	0.0330	0.0040	11,704,348
Mobile Home Park	1,673,460	247	0.0330	0.0040	0.00
User Defined Industrial	0.00	247	0.0330	0.0040	0.00

Parking Lot	1,181,389	247	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	247	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Hotel	3,805,016	4,446,831
Regional Shopping Center	14,814,504	4,446,831
Condo/Townhouse	13,829,084	5,435,016
Strip Mall	5,555,439	52,297,012
General Office Building	1,777,337	52,297,012
Unrefrigerated Warehouse-No Rail	138,287,500	52,297,012
Single Family Housing	21,231,711	183,781,003
Mobile Home Park	20,336,888	8,212,444
Mobile Home Park	13,015,608	8,212,444
User Defined Industrial	0.00	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Hotel	3,805,016	2,014,106
Regional Shopping Center	14,814,504	4,446,831
Condo/Townhouse	13,829,084	3,002,291
Strip Mall	5,555,439	52,297,012
General Office Building	1,777,337	52,297,012

Unrefrigerated Warehouse-No Rail	138,287,500	52,297,012
Single Family Housing	21,231,711	183,781,003
Mobile Home Park	20,336,888	4,536,536
Mobile Home Park	13,015,608	4,536,536
User Defined Industrial	0.00	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Hotel	82.1	—
Regional Shopping Center	210	—
Condo/Townhouse	251	—
Strip Mall	78.8	—
General Office Building	9.30	—
Unrefrigerated Warehouse-No Rail	562	—
Single Family Housing	478	—
Mobile Home Park	370	—
Mobile Home Park	237	—
User Defined Industrial	0.00	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)

Hotel	82.1	—
Regional Shopping Center	210	—
Condo/Townhouse	251	—
Strip Mall	78.8	—
General Office Building	9.30	—
Unrefrigerated Warehouse-No Rail	562	—
Single Family Housing	478	—
Mobile Home Park	370	—
Mobile Home Park	237	—
User Defined Industrial	0.00	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Mobile Home Park	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Mobile Home Park	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Mobile Home Park	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Mobile Home Park	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Mobile Home Park	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0

Mobile Home Park	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Mobile Home Park	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Mobile Home Park	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

5.15.2. Mitigated

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

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

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

5.16.2. Process Boilers

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

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

5.18.2.2. Mitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	21.5	annual days of extreme heat
Extreme Precipitation	0.50	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.23	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	2	3	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	3	2	3	2
Snowpack Reduction	N/A	N/A	N/A	N/A

Air Quality Degradation	5	2	3	3

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

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	2	3	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	3	2	3	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	5	2	3	3

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—

AQ-Ozone	77.1
AQ-PM	7.31
AQ-DPM	9.38
Drinking Water	67.0
Lead Risk Housing	31.7
Pesticides	95.0
Toxic Releases	3.14
Traffic	6.09
Effect Indicators	—
CleanUp Sites	22.6
Groundwater	0.00
Haz Waste Facilities/Generators	35.6
Impaired Water Bodies	97.5
Solid Waste	83.3
Sensitive Population	—
Asthma	21.2
Cardio-vascular	47.3
Low Birth Weights	53.8
Socioeconomic Factor Indicators	—
Education	96.2
Housing	77.2
Linguistic	99.1
Poverty	95.5
Unemployment	93.8

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	2.527909663
Employed	8.956756063
Median HI	7.262928269
Education	—
Bachelor's or higher	24.75298345
High school enrollment	22.50737842
Preschool enrollment	7.814705505
Transportation	—
Auto Access	49.51879892
Active commuting	13.6147825
Social	—
2-parent households	34.82612601
Voting	66.44424484
Neighborhood	—
Alcohol availability	91.1587322
Park access	5.389452072
Retail density	5.864237136
Supermarket access	2.399589375
Tree canopy	8.404978827
Housing	—
Homeownership	77.35146927
Housing habitability	8.956756063
Low-inc homeowner severe housing cost burden	12.29308354
Low-inc renter severe housing cost burden	61.6963942
Uncrowded housing	15.89888361

Health Outcomes	—
Insured adults	2.463749519
Arthritis	0.0
Asthma ER Admissions	63.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	81.1
Cognitively Disabled	76.7
Physically Disabled	74.5
Heart Attack ER Admissions	49.3
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	39.9
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0

Children	16.3
Elderly	50.9
English Speaking	2.2
Foreign-born	93.3
Outdoor Workers	0.1
Climate Change Adaptive Capacity	—
Impervious Surface Cover	96.0
Traffic Density	2.2
Traffic Access	23.0
Other Indices	—
Hardship	97.8
Other Decision Support	—
2016 Voting	63.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	66.0
Healthy Places Index Score for Project Location (b)	6.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	EasternCoachellaValley

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

7.4. Health & Equity Measures

Measure Title	Co-Benefits Achieved
IC-2: Adopt Design Standards	—

IC-3: Promotes Accessibility	—
IC-4: Enhanced Open and Green Spaces	—
IC-7: Equal Access to Building Amenities	—
IC-8: Enhanced Access to Community Resources	—

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	See TRSP AQ/GHG report Table 3-1 CalEEMod Land Use Assumptions. Landscaping acreage from TRSP DEIR Table 2.12-5 Projected Outdoor Irrigation Water Demand. Assumes average RV is 500 SF.
Construction: Construction Phases	Operational/buildout year consistent with Traffic Impact Analysis.
Construction: Paving	Assumes 12 acres of hardscape for workforce housing. 5 acres of off site water tank location will be permanently disturbed, assumes paved.
Operations: Vehicle Data	Total of 18,939 weekday trips, 21,532 Saturday trips, and 13,995 Sunday Trips and per TIA. Assumes no H-O trips for RV residents (mobile home 320 units) who work on-site.
Operations: Hearths	Assumes wood burning fireplaces are limited to single family estates. Workforce housing and condos will not have wood burning hearths. No wood burning stoves proposed.
Operations: Energy Use	All new development will be built to Title 24 standards. RV park does not use natural gas. Assumes 600 kWh per RV per month. The equestrian stables (unrefrigerated warehouse) do not use natural gas.

Thermal Ranch - PA 3 LST Analysis Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Thermal Ranch - PA 3 LST Analysis
Construction Start Date	1/1/2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	8.80
Location	33.605542929167214, -116.16665369791724
County	Riverside-Salton Sea
City	Unincorporated
Air District	South Coast AQMD
Air Basin	Salton Sea
TAZ	5697
EDFZ	19
Electric Utility	Imperial Irrigation District
Gas Utility	Southern California Gas
App Version	2022.1.1.23

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Condo/Townhouse	390	Dwelling Unit	69.5	413,400	566,280	—	1,260	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-10-A	Water Exposed Surfaces

* 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.	NOx	CO	PM10T	PM2.5T
Daily, Summer (Max)	—	—	—	—
Unmit.	29.2	36.6	9.14	5.14
Mit.	29.2	36.6	9.14	5.14
% Reduced	—	—	—	—
Daily, Winter (Max)	—	—	—	—
Unmit.	27.3	28.6	4.97	2.52
Mit.	27.3	28.6	4.97	2.52
% Reduced	—	—	—	—
Average Daily (Max)	—	—	—	—
Unmit.	12.8	21.4	3.11	1.46
Mit.	12.8	21.4	3.11	1.46
% Reduced	—	—	—	—
Annual (Max)	—	—	—	—
Unmit.	2.33	3.90	0.57	0.27
Mit.	2.33	3.90	0.57	0.27
% Reduced	—	—	—	—

Exceeds (Daily Max)	—	—	—	—
Threshold	304	2,292	14.0	8.00
Unmit.	No	No	No	No
Mit.	No	No	No	No
Exceeds (Average Daily)	—	—	—	—
Threshold	304	2,292	14.0	8.00
Unmit.	No	No	No	No
Mit.	No	No	No	No

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	NOx	CO	PM10T	PM2.5T
Daily - Summer (Max)	—	—	—	—
2026	29.2	30.4	9.14	5.14
2027	11.9	36.6	4.38	1.29
2028	11.2	35.1	4.35	1.25
2029	10.7	33.5	4.32	1.23
2030	10.4	32.3	4.31	1.22
2031	6.17	10.8	0.74	0.24
Daily - Winter (Max)	—	—	—	—
2026	27.3	28.6	4.97	2.52
2027	12.1	26.6	4.38	1.29
2028	11.4	25.7	4.35	1.25
2029	10.9	24.9	4.32	1.23
2030	10.6	24.0	4.31	1.22
2031	10.1	23.3	4.29	1.20
Average Daily	—	—	—	—

2026	12.8	15.3	2.96	1.46
2027	8.52	21.4	3.11	0.92
2028	8.08	20.6	3.10	0.89
2029	7.69	19.8	3.07	0.88
2030	7.52	19.1	3.06	0.87
2031	2.25	4.92	0.57	0.18
Annual	—	—	—	—
2026	2.33	2.78	0.54	0.27
2027	1.55	3.90	0.57	0.17
2028	1.48	3.76	0.57	0.16
2029	1.40	3.61	0.56	0.16
2030	1.37	3.48	0.56	0.16
2031	0.41	0.90	0.10	0.03

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	NOx	CO	PM10T	PM2.5T
Daily - Summer (Max)	—	—	—	—
2026	29.2	30.4	9.14	5.14
2027	11.9	36.6	4.38	1.29
2028	11.2	35.1	4.35	1.25
2029	10.7	33.5	4.32	1.23
2030	10.4	32.3	4.31	1.22
2031	6.17	10.8	0.74	0.24
Daily - Winter (Max)	—	—	—	—
2026	27.3	28.6	4.97	2.52
2027	12.1	26.6	4.38	1.29

2028	11.4	25.7	4.35	1.25
2029	10.9	24.9	4.32	1.23
2030	10.6	24.0	4.31	1.22
2031	10.1	23.3	4.29	1.20
Average Daily	—	—	—	—
2026	12.8	15.3	2.96	1.46
2027	8.52	21.4	3.11	0.92
2028	8.08	20.6	3.10	0.89
2029	7.69	19.8	3.07	0.88
2030	7.52	19.1	3.06	0.87
2031	2.25	4.92	0.57	0.18
Annual	—	—	—	—
2026	2.33	2.78	0.54	0.27
2027	1.55	3.90	0.57	0.17
2028	1.48	3.76	0.57	0.16
2029	1.40	3.61	0.56	0.16
2030	1.37	3.48	0.56	0.16
2031	0.41	0.90	0.10	0.03

3. Construction Emissions Details

3.1. Site Preparation (2026) - Unmitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	29.2	28.8	1.24	1.14

Dust From Material Movement	—	—	7.67	3.94
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Average Daily	—	—	—	—
Off-Road Equipment	3.20	3.16	0.14	0.13
Dust From Material Movement	—	—	0.84	0.43
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	0.58	0.58	0.02	0.02
Dust From Material Movement	—	—	0.15	0.08
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Worker	0.08	1.55	0.23	0.05
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Average Daily	—	—	—	—
Worker	0.01	0.12	0.02	0.01
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	< 0.005	0.02	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00

3.2. Site Preparation (2026) - Mitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	29.2	28.8	1.24	1.14
Dust From Material Movement	—	—	7.67	3.94
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Average Daily	—	—	—	—
Off-Road Equipment	3.20	3.16	0.14	0.13
Dust From Material Movement	—	—	0.84	0.43
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	0.58	0.58	0.02	0.02
Dust From Material Movement	—	—	0.15	0.08
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Worker	0.08	1.55	0.23	0.05
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Average Daily	—	—	—	—
Worker	0.01	0.12	0.02	0.01
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	< 0.005	0.02	< 0.005	< 0.005

Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00

3.3. Grading (2026) - Unmitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	27.2	27.6	1.12	1.03
Dust From Material Movement	—	—	3.59	1.42
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	27.2	27.6	1.12	1.03
Dust From Material Movement	—	—	3.59	1.42
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Off-Road Equipment	8.20	8.31	0.34	0.31
Dust From Material Movement	—	—	1.08	0.43
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	1.50	1.52	0.06	0.06
Dust From Material Movement	—	—	0.20	0.08
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Worker	0.10	1.77	0.26	0.06
Vendor	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Worker	0.10	1.00	0.26	0.06
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	0.03	0.38	0.08	0.02
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.01	0.07	0.01	< 0.005
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00

3.4. Grading (2026) - Mitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	27.2	27.6	1.12	1.03
Dust From Material Movement	—	—	3.59	1.42
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	27.2	27.6	1.12	1.03
Dust From Material Movement	—	—	3.59	1.42
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—

Off-Road Equipment	8.20	8.31	0.34	0.31
Dust From Material Movement	—	—	1.08	0.43
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	1.50	1.52	0.06	0.06
Dust From Material Movement	—	—	0.20	0.08
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Worker	0.10	1.77	0.26	0.06
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Worker	0.10	1.00	0.26	0.06
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	0.03	0.38	0.08	0.02
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.01	0.07	0.01	< 0.005
Vendor	0.00	0.00	0.00	0.00
Hauling	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	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	9.85	13.0	0.38	0.35
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Off-Road Equipment	1.04	1.37	0.04	0.04
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	0.19	0.25	0.01	0.01
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Daily, Winter (Max)	—	—	—	—
Worker	1.46	14.1	3.67	0.86
Vendor	1.44	0.60	0.38	0.12
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	0.14	1.86	0.39	0.09
Vendor	0.15	0.06	0.04	0.01
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.03	0.34	0.07	0.02
Vendor	0.03	0.01	0.01	< 0.005
Hauling	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	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	9.85	13.0	0.38	0.35
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Off-Road Equipment	1.04	1.37	0.04	0.04
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	0.19	0.25	0.01	0.01
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Daily, Winter (Max)	—	—	—	—
Worker	1.46	14.1	3.67	0.86
Vendor	1.44	0.60	0.38	0.12
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	0.14	1.86	0.39	0.09
Vendor	0.15	0.06	0.04	0.01
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.03	0.34	0.07	0.02
Vendor	0.03	0.01	0.01	< 0.005

Hauling	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	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	9.39	12.9	0.34	0.31
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	9.39	12.9	0.34	0.31
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Off-Road Equipment	6.71	9.24	0.24	0.22
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	1.22	1.69	0.04	0.04
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Worker	1.22	23.1	3.67	0.86
Vendor	1.27	0.56	0.38	0.12
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Worker	1.33	13.1	3.67	0.86
Vendor	1.37	0.57	0.38	0.12
Hauling	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—
Worker	0.86	11.8	2.61	0.61
Vendor	0.95	0.40	0.27	0.08
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.16	2.14	0.48	0.11
Vendor	0.17	0.07	0.05	0.02
Hauling	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	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	9.39	12.9	0.34	0.31
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	9.39	12.9	0.34	0.31
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Off-Road Equipment	6.71	9.24	0.24	0.22
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	1.22	1.69	0.04	0.04
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—

Worker	1.22	23.1	3.67	0.86
Vendor	1.27	0.56	0.38	0.12
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Worker	1.33	13.1	3.67	0.86
Vendor	1.37	0.57	0.38	0.12
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	0.86	11.8	2.61	0.61
Vendor	0.95	0.40	0.27	0.08
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.16	2.14	0.48	0.11
Vendor	0.17	0.07	0.05	0.02
Hauling	0.00	0.00	0.00	0.00

3.9. Building Construction (2028) - Unmitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	8.92	12.9	0.30	0.28
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	8.92	12.9	0.30	0.28
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—

Off-Road Equipment	6.39	9.26	0.22	0.20
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	1.17	1.69	0.04	0.04
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Worker	1.09	21.6	3.67	0.86
Vendor	1.22	0.53	0.38	0.12
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Worker	1.21	12.2	3.67	0.86
Vendor	1.31	0.54	0.38	0.12
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	0.78	11.0	2.61	0.61
Vendor	0.92	0.38	0.27	0.08
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.14	2.00	0.48	0.11
Vendor	0.17	0.07	0.05	0.02
Hauling	0.00	0.00	0.00	0.00

3.10. Building Construction (2028) - Mitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—

Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	8.92	12.9	0.30	0.28
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	8.92	12.9	0.30	0.28
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Off-Road Equipment	6.39	9.26	0.22	0.20
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	1.17	1.69	0.04	0.04
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Worker	1.09	21.6	3.67	0.86
Vendor	1.22	0.53	0.38	0.12
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Worker	1.21	12.2	3.67	0.86
Vendor	1.31	0.54	0.38	0.12
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	0.78	11.0	2.61	0.61
Vendor	0.92	0.38	0.27	0.08
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.14	2.00	0.48	0.11

Vendor	0.17	0.07	0.05	0.02
Hauling	0.00	0.00	0.00	0.00

3.11. Building Construction (2029) - Unmitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	8.58	12.9	0.28	0.25
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	8.58	12.9	0.28	0.25
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Off-Road Equipment	6.13	9.22	0.20	0.18
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	1.12	1.68	0.04	0.03
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Worker	0.97	20.1	3.67	0.86
Vendor	1.17	0.50	0.38	0.12
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Worker	1.08	11.5	3.67	0.86
Vendor	1.26	0.52	0.38	0.12

Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	0.68	10.2	2.61	0.61
Vendor	0.88	0.36	0.27	0.08
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.12	1.86	0.48	0.11
Vendor	0.16	0.07	0.05	0.02
Hauling	0.00	0.00	0.00	0.00

3.12. Building Construction (2029) - Mitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	8.58	12.9	0.28	0.25
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	8.58	12.9	0.28	0.25
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Off-Road Equipment	6.13	9.22	0.20	0.18
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	1.12	1.68	0.04	0.03
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—

Daily, Summer (Max)	—	—	—	—
Worker	0.97	20.1	3.67	0.86
Vendor	1.17	0.50	0.38	0.12
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Worker	1.08	11.5	3.67	0.86
Vendor	1.26	0.52	0.38	0.12
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	0.68	10.2	2.61	0.61
Vendor	0.88	0.36	0.27	0.08
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.12	1.86	0.48	0.11
Vendor	0.16	0.07	0.05	0.02
Hauling	0.00	0.00	0.00	0.00

3.13. Building Construction (2030) - Unmitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	8.39	12.9	0.26	0.24
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	8.39	12.9	0.26	0.24
Onsite truck	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—
Off-Road Equipment	5.99	9.20	0.19	0.17
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	1.09	1.68	0.03	0.03
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Worker	0.85	18.9	3.67	0.86
Vendor	1.13	0.49	0.38	0.12
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Worker	0.96	10.7	3.67	0.86
Vendor	1.22	0.50	0.38	0.12
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	0.68	9.54	2.61	0.61
Vendor	0.84	0.35	0.27	0.08
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.12	1.74	0.48	0.11
Vendor	0.15	0.06	0.05	0.02
Hauling	0.00	0.00	0.00	0.00

3.14. Building Construction (2030) - Mitigated

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

Location	NOx	CO	PM10T	PM2.5T

Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	8.39	12.9	0.26	0.24
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	8.39	12.9	0.26	0.24
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Off-Road Equipment	5.99	9.20	0.19	0.17
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	1.09	1.68	0.03	0.03
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Worker	0.85	18.9	3.67	0.86
Vendor	1.13	0.49	0.38	0.12
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Worker	0.96	10.7	3.67	0.86
Vendor	1.22	0.50	0.38	0.12
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	0.68	9.54	2.61	0.61
Vendor	0.84	0.35	0.27	0.08
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—

Worker	0.12	1.74	0.48	0.11
Vendor	0.15	0.06	0.05	0.02
Hauling	0.00	0.00	0.00	0.00

3.15. Building Construction (2031) - Unmitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	8.12	12.8	0.24	0.22
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Off-Road Equipment	0.64	1.01	0.02	0.02
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	0.12	0.18	< 0.005	< 0.005
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Daily, Winter (Max)	—	—	—	—
Worker	0.84	9.96	3.67	0.86
Vendor	1.17	0.49	0.38	0.12
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	0.06	0.97	0.29	0.07
Vendor	0.09	0.04	0.03	0.01

Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.01	0.18	0.05	0.01
Vendor	0.02	0.01	0.01	< 0.005
Hauling	0.00	0.00	0.00	0.00

3.16. Building Construction (2031) - Mitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	8.12	12.8	0.24	0.22
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Off-Road Equipment	0.64	1.01	0.02	0.02
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	0.12	0.18	< 0.005	< 0.005
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Daily, Winter (Max)	—	—	—	—
Worker	0.84	9.96	3.67	0.86
Vendor	1.17	0.49	0.38	0.12
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—

Worker	0.06	0.97	0.29	0.07
Vendor	0.09	0.04	0.03	0.01
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.01	0.18	0.05	0.01
Vendor	0.02	0.01	0.01	< 0.005
Hauling	0.00	0.00	0.00	0.00

3.17. Paving (2031) - Unmitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	6.13	9.88	0.21	0.19
Paving	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	6.13	9.88	0.21	0.19
Paving	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Off-Road Equipment	1.26	2.03	0.04	0.04
Paving	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	0.23	0.37	0.01	0.01
Paving	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Worker	0.04	0.94	0.20	0.05
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Worker	0.04	0.53	0.20	0.05
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	0.01	0.14	0.04	0.01
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	< 0.005	0.02	0.01	< 0.005
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00

3.18. Paving (2031) - Mitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	6.13	9.88	0.21	0.19
Paving	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	6.13	9.88	0.21	0.19
Paving	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Off-Road Equipment	1.26	2.03	0.04	0.04
Paving	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	0.23	0.37	0.01	0.01
Paving	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Worker	0.04	0.94	0.20	0.05
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Worker	0.04	0.53	0.20	0.05
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	0.01	0.14	0.04	0.01
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	< 0.005	0.02	0.01	< 0.005

Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00

3.19. Architectural Coating (2031) - Unmitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	0.78	1.10	0.01	0.01
Architectural Coatings	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Average Daily	—	—	—	—
Off-Road Equipment	0.16	0.23	< 0.005	< 0.005
Architectural Coatings	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	0.03	0.04	< 0.005	< 0.005
Architectural Coatings	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Worker	0.17	3.53	0.73	0.17
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Average Daily	—	—	—	—

Worker	0.03	0.51	0.15	0.04
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.01	0.09	0.03	0.01
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00

3.20. Architectural Coating (2031) - Mitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	0.78	1.10	0.01	0.01
Architectural Coatings	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Average Daily	—	—	—	—
Off-Road Equipment	0.16	0.23	< 0.005	< 0.005
Architectural Coatings	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	0.03	0.04	< 0.005	< 0.005
Architectural Coatings	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—

Worker	0.17	3.53	0.73	0.17
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Average Daily	—	—	—	—
Worker	0.03	0.51	0.15	0.04
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.01	0.09	0.03	0.01
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00

4. Operations Emissions Details

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	NOx	CO	PM10T	PM2.5T
Daily, Summer (Max)	—	—	—	—
Total	—	—	—	—
Daily, Winter (Max)	—	—	—	—
Total	—	—	—	—
Annual	—	—	—	—
Total	—	—	—	—

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

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

Land Use	NOx	CO	PM10T	PM2.5T
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	NOx	CO	PM10T	PM2.5T
Daily, Summer (Max)	—	—	—	—
Avoided	—	—	—	—
Subtotal	—	—	—	—
Sequestered	—	—	—	—
Subtotal	—	—	—	—
Removed	—	—	—	—
Subtotal	—	—	—	—
—	—	—	—	—
Daily, Winter (Max)	—	—	—	—
Avoided	—	—	—	—
Subtotal	—	—	—	—
Sequestered	—	—	—	—
Subtotal	—	—	—	—
Removed	—	—	—	—

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

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

Vegetation	NOx	CO	PM10T	PM2.5T
Daily, Summer (Max)	—	—	—	—
Total	—	—	—	—
Daily, Winter (Max)	—	—	—	—
Total	—	—	—	—
Annual	—	—	—	—
Total	—	—	—	—

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

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

Land Use	NOx	CO	PM10T	PM2.5T
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	NOx	CO	PM10T	PM2.5T
Daily, Summer (Max)	—	—	—	—
Avoided	—	—	—	—
Subtotal	—	—	—	—
Sequestered	—	—	—	—
Subtotal	—	—	—	—
Removed	—	—	—	—
Subtotal	—	—	—	—
—	—	—	—	—
Daily, Winter (Max)	—	—	—	—
Avoided	—	—	—	—
Subtotal	—	—	—	—
Sequestered	—	—	—	—
Subtotal	—	—	—	—
Removed	—	—	—	—
Subtotal	—	—	—	—
—	—	—	—	—
Annual	—	—	—	—
Avoided	—	—	—	—
Subtotal	—	—	—	—
Sequestered	—	—	—	—

Subtotal	—	—	—	—
Removed	—	—	—	—
Subtotal	—	—	—	—
—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	4/10/2026	6/5/2026	5.00	40.0	—
Grading	Grading	6/6/2026	11/7/2026	5.00	110	—
Building Construction	Building Construction	11/8/2026	2/9/2031	5.00	1,110	—
Paving	Paving	2/10/2031	5/26/2031	5.00	75.0	—
Architectural Coating	Architectural Coating	5/27/2031	9/9/2031	5.00	75.0	—

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/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	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	Scrapers	Diesel	Average	2.00	8.00	423	0.48

Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	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/Backhoes	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/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	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	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	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/Backhoes	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	20.0	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	281	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	41.7	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	56.2	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	20.0	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	281	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	41.7	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	56.2	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

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	837,135	279,045	0.00	0.00	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	60.0	0.00	—
Grading	—	—	330	0.00	—
Paving	0.00	0.00	0.00	0.00	13.0

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Condo/Townhouse	13.0	80%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	457	0.03	< 0.005
2027	0.00	457	0.03	< 0.005
2028	0.00	457	0.03	< 0.005
2029	0.00	457	0.03	< 0.005
2030	0.00	457	0.03	< 0.005
2031	0.00	457	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

5.18.2.2. Mitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	21.5	annual days of extreme heat

Extreme Precipitation	0.50	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.23	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

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

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

6.3. Adjusted Climate Risk Scores

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

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	77.1
AQ-PM	7.31
AQ-DPM	9.38
Drinking Water	67.0
Lead Risk Housing	31.7
Pesticides	95.0

Toxic Releases	3.14
Traffic	6.09
Effect Indicators	—
CleanUp Sites	22.6
Groundwater	0.00
Haz Waste Facilities/Generators	35.6
Impaired Water Bodies	97.5
Solid Waste	83.3
Sensitive Population	—
Asthma	21.2
Cardio-vascular	47.3
Low Birth Weights	53.8
Socioeconomic Factor Indicators	—
Education	96.2
Housing	77.2
Linguistic	99.1
Poverty	95.5
Unemployment	93.8

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	2.527909663
Employed	8.956756063
Median HI	7.262928269
Education	—

Bachelor's or higher	24.75298345
High school enrollment	22.50737842
Preschool enrollment	7.814705505
Transportation	—
Auto Access	49.51879892
Active commuting	13.6147825
Social	—
2-parent households	34.82612601
Voting	66.44424484
Neighborhood	—
Alcohol availability	91.1587322
Park access	5.389452072
Retail density	5.864237136
Supermarket access	2.399589375
Tree canopy	8.404978827
Housing	—
Homeownership	77.35146927
Housing habitability	8.956756063
Low-inc homeowner severe housing cost burden	12.29308354
Low-inc renter severe housing cost burden	61.6963942
Uncrowded housing	15.89888361
Health Outcomes	—
Insured adults	2.463749519
Arthritis	0.0
Asthma ER Admissions	63.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0

Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	81.1
Cognitively Disabled	76.7
Physically Disabled	74.5
Heart Attack ER Admissions	49.3
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	39.9
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	16.3
Elderly	50.9
English Speaking	2.2
Foreign-born	93.3
Outdoor Workers	0.1
Climate Change Adaptive Capacity	—

Impervious Surface Cover	96.0
Traffic Density	2.2
Traffic Access	23.0
Other Indices	—
Hardship	97.8
Other Decision Support	—
2016 Voting	63.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	66.0
Healthy Places Index Score for Project Location (b)	6.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	EasternCoachellaValley

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification

Land Use	Based on TRSP land use table. Assumes approximately 30% of planning area will be landscaped.
Construction: Construction Phases	No demo required. Uses CalEEMod default scheduler, assumes an approximate buildout of 2031.
Construction: Paving	Assumes 30% area is paved, of that 80% is asphalt for parking and internal roadways. Actual plans not yet available.

Thermal Ranch Specific Plan - 2017 CAP Modeling Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Thermal Ranch Specific Plan - 2017 CAP Modeling
Construction Start Date	1/1/2011
Operational Year	2017
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	8.80
Location	33.59088711062806, -116.17302750036589
County	Riverside-Salton Sea
City	Unincorporated
Air District	South Coast AQMD
Air Basin	Salton Sea
TAZ	5697
EDFZ	19
Electric Utility	Imperial Irrigation District
Gas Utility	Southern California Gas
App Version	2022.1.1.23

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

Hotel	150	Room	8.10	217,800	236,967	—	—	—
Regional Shopping Center	200	1000sqft	25.6	200,000	236,967	—	—	—
Condo/Townhouse	340	Dwelling Unit	42.1	326,400	236,967	—	1,098	—
Strip Mall	75.0	1000sqft	1.72	75,000	1,728,542	865,891	—	—
General Office Building	10.0	1000sqft	0.23	10,000	1,728,542	865,891	—	—
Unrefrigerated Warehouse-No Rail	598	1000sqft	182	598,000	1,728,542	865,891	—	—
Single Family Housing	522	Dwelling Unit	264	1,017,900	8,012,862	—	1,686	—
Mobile Home Park	500	Dwelling Unit	18.3	158,530	358,063	—	1,615	—
Mobile Home Park	320	Dwelling Unit	22.8	160,000	358,063	—	1,034	—
User Defined Industrial	1.00	User Defined Unit	13.6	20,867	0.00	—	—	—
Parking Lot	4,302	Space	38.7	0.00	0.00	—	—	—
Other Asphalt Surfaces	15.3	Acre	15.3	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-7	Use Oxidation Catalyst
Construction	C-9	Use Dust Suppressants
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Construction	C-12	Sweep Paved Roads
Transportation	T-14*	Provide Electric Vehicle Charging Infrastructure
Transportation	T-34*	Provide Bike Parking
Transportation	T-53*	Electrify Loading Docks

Energy	E-2	Require Energy Efficient Appliances
Water	W-5	Design Water-Efficient Landscapes
Area Sources	AS-1	Use Low-VOC Cleaning Supplies

* 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.	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Unmit.	66.3	164	527	0.13	32.1	12.9	173	49,427
Mit.	66.3	142	527	0.13	32.1	12.9	173	49,427
% Reduced	—	14%	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Unmit.	61.7	164	343	0.13	32.1	12.9	4.47	44,150
Mit.	61.7	150	343	0.13	32.1	12.9	4.47	44,150
% Reduced	—	9%	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—
Unmit.	42.3	103	264	0.09	22.2	8.01	53.3	32,675
Mit.	42.3	98.1	264	0.09	22.2	8.01	53.3	32,675
% Reduced	—	5%	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—
Unmit.	7.73	18.8	48.2	0.02	4.05	1.46	8.83	5,410
Mit.	7.73	17.9	48.2	0.02	4.05	1.46	8.83	5,410
% Reduced	—	5%	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—
2011	14.5	164	122	0.11	19.9	12.9	3.45	12,864
2012	30.1	149	488	0.12	28.9	11.3	149	44,643
2013	66.3	142	527	0.12	32.1	11.8	173	49,427
2014	62.5	128	468	0.12	31.2	10.9	173	48,875
2015	59.6	118	420	0.13	30.9	10.6	173	48,477
2016	57.5	107	384	0.13	30.4	10.1	173	48,025
2017	56.3	96.4	355	0.13	29.9	9.73	173	47,582
Daily - Winter (Max)	—	—	—	—	—	—	—	—
2011	14.4	164	117	0.11	19.9	12.9	0.11	12,749
2012	26.2	164	321	0.12	28.9	12.9	3.86	40,308
2013	61.7	151	343	0.12	32.1	11.8	4.46	44,150
2014	58.4	136	301	0.12	31.2	10.9	4.47	43,720
2015	55.7	124	269	0.13	30.9	10.6	4.47	43,396
2016	53.8	112	245	0.13	30.4	10.1	4.47	43,071
2017	52.8	101	226	0.13	29.9	9.73	4.47	42,720
Average Daily	—	—	—	—	—	—	—	—
2011	8.01	90.5	66.1	0.06	11.2	7.29	0.91	6,983
2012	13.5	95.4	162	0.07	14.6	6.83	23.5	18,369
2013	31.4	103	264	0.09	21.4	8.01	49.5	31,210
2014	42.3	94.9	252	0.09	22.2	7.76	53.2	32,675
2015	40.9	86.8	226	0.09	22.0	7.52	53.2	32,433
2016	39.6	78.5	207	0.09	21.7	7.23	53.3	32,246

2017	35.1	65.1	175	0.08	19.5	6.36	48.8	29,253
Annual	—	—	—	—	—	—	—	—
2011	1.46	16.5	12.1	0.01	2.05	1.33	0.15	1,156
2012	2.46	17.4	29.6	0.01	2.66	1.25	3.90	3,041
2013	5.73	18.8	48.2	0.02	3.91	1.46	8.20	5,167
2014	7.73	17.3	46.0	0.02	4.05	1.42	8.80	5,410
2015	7.46	15.8	41.2	0.02	4.01	1.37	8.80	5,370
2016	7.23	14.3	37.8	0.02	3.96	1.32	8.83	5,339
2017	6.40	11.9	32.0	0.02	3.56	1.16	8.08	4,843

2.3. Construction Emissions by Year, Mitigated

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

Year	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—
2011	14.5	140	122	0.11	19.9	12.9	3.45	12,864
2012	30.1	142	488	0.12	28.9	11.3	149	44,643
2013	66.3	135	527	0.12	32.1	11.8	173	49,427
2014	62.5	122	468	0.12	31.2	10.9	173	48,875
2015	59.6	112	420	0.13	30.9	10.6	173	48,477
2016	57.5	101	384	0.13	30.4	10.1	173	48,025
2017	56.3	90.8	355	0.13	29.9	9.73	173	47,582
Daily - Winter (Max)	—	—	—	—	—	—	—	—
2011	14.4	140	117	0.11	19.9	12.9	0.11	12,749
2012	26.2	150	321	0.12	28.9	12.9	3.86	40,308
2013	61.7	144	343	0.12	32.1	11.8	4.46	44,150
2014	58.4	129	301	0.12	31.2	10.9	4.47	43,720

2015	55.7	117	269	0.13	30.9	10.6	4.47	43,396
2016	53.8	106	245	0.13	30.4	10.1	4.47	43,071
2017	52.8	95.8	226	0.13	29.9	9.73	4.47	42,720
Average Daily	—	—	—	—	—	—	—	—
2011	8.01	77.2	66.1	0.06	11.2	7.29	0.91	6,983
2012	13.5	87.0	162	0.07	14.6	6.83	23.5	18,369
2013	31.4	98.1	264	0.09	21.4	8.01	49.5	31,210
2014	42.3	90.2	252	0.09	22.2	7.76	53.2	32,675
2015	40.9	82.2	226	0.09	22.0	7.52	53.2	32,433
2016	39.6	74.2	207	0.09	21.7	7.23	53.3	32,246
2017	35.1	61.4	175	0.08	19.5	6.36	48.8	29,253
Annual	—	—	—	—	—	—	—	—
2011	1.46	14.1	12.1	0.01	2.05	1.33	0.15	1,156
2012	2.46	15.9	29.6	0.01	2.66	1.25	3.90	3,041
2013	5.73	17.9	48.2	0.02	3.91	1.46	8.20	5,167
2014	7.73	16.5	46.0	0.02	4.05	1.42	8.80	5,410
2015	7.46	15.0	41.2	0.02	4.01	1.37	8.80	5,370
2016	7.23	13.5	37.8	0.02	3.96	1.32	8.83	5,339
2017	6.40	11.2	32.0	0.02	3.56	1.16	8.08	4,843

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Unmit.	225	239	1,676	2.32	152	42.5	1,324	302,774
Mit.	221	239	1,676	2.32	152	42.5	1,324	302,306
% Reduced	2%	—	—	—	—	—	—	< 0.5%

Daily, Winter (Max)	—	—	—	—	—	—	—	—
Unmit.	174	256	1,038	2.05	151	42.3	379	275,615
Mit.	170	256	1,038	2.05	151	42.3	379	275,147
% Reduced	3%	—	—	—	—	—	—	< 0.5%
Average Daily (Max)	—	—	—	—	—	—	—	—
Unmit.	175	202	1,063	1.77	126	34.9	706	236,846
Mit.	171	202	1,063	1.77	126	34.9	706	236,378
% Reduced	3%	—	—	—	—	—	—	< 0.5%
Annual (Max)	—	—	—	—	—	—	—	—
Unmit.	32.0	36.8	194	0.32	23.0	6.37	117	39,212
Mit.	31.2	36.8	194	0.32	23.0	6.37	117	39,135
% Reduced	3%	—	—	—	—	—	—	< 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	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Mobile	138	213	1,521	2.15	149	40.3	970	224,545
Area	85.9	14.0	148	0.09	1.18	1.14	—	18,179
Energy	0.71	12.3	6.27	0.08	0.98	0.98	—	50,602
Water	—	—	—	—	—	—	—	4,799
Waste	—	—	—	—	—	—	—	4,295
Refrig.	—	—	—	—	—	—	354	354
Total	225	239	1,676	2.32	152	42.5	1,324	302,774
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Mobile	107	231	1,026	1.90	149	40.4	25.1	197,843
Area	66.4	12.4	5.29	0.08	1.00	1.00	—	17,722

Energy	0.71	12.3	6.27	0.08	0.98	0.98	—	50,602
Water	—	—	—	—	—	—	—	4,799
Waste	—	—	—	—	—	—	—	4,295
Refrig.	—	—	—	—	—	—	354	354
Total	174	256	1,038	2.05	151	42.3	379	275,615
Average Daily	—	—	—	—	—	—	—	—
Mobile	99.2	188	986	1.68	125	33.8	352	175,356
Area	75.3	1.61	70.7	0.01	0.16	0.14	—	1,439
Energy	0.71	12.3	6.27	0.08	0.98	0.98	—	50,602
Water	—	—	—	—	—	—	—	4,799
Waste	—	—	—	—	—	—	—	4,295
Refrig.	—	—	—	—	—	—	354	354
Total	175	202	1,063	1.77	126	34.9	706	236,846
Annual	—	—	—	—	—	—	—	—
Mobile	18.1	34.3	180	0.31	22.8	6.16	58.3	29,032
Area	13.8	0.29	12.9	< 0.005	0.03	0.02	—	238
Energy	0.13	2.24	1.14	0.01	0.18	0.18	—	8,378
Water	—	—	—	—	—	—	—	795
Waste	—	—	—	—	—	—	—	711
Refrig.	—	—	—	—	—	—	58.6	58.6
Total	32.0	36.8	194	0.32	23.0	6.37	117	39,212

2.6. Operations Emissions by Sector, Mitigated

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

Sector	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Mobile	138	213	1,521	2.15	149	40.3	970	224,545

Area	81.5	14.0	148	0.09	1.18	1.14	—	18,179
Energy	0.71	12.3	6.27	0.08	0.98	0.98	—	50,184
Water	—	—	—	—	—	—	—	4,749
Waste	—	—	—	—	—	—	—	4,295
Refrig.	—	—	—	—	—	—	354	354
Total	221	239	1,676	2.32	152	42.5	1,324	302,306
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Mobile	107	231	1,026	1.90	149	40.4	25.1	197,843
Area	61.9	12.4	5.29	0.08	1.00	1.00	—	17,722
Energy	0.71	12.3	6.27	0.08	0.98	0.98	—	50,184
Water	—	—	—	—	—	—	—	4,749
Waste	—	—	—	—	—	—	—	4,295
Refrig.	—	—	—	—	—	—	354	354
Total	170	256	1,038	2.05	151	42.3	379	275,147
Average Daily	—	—	—	—	—	—	—	—
Mobile	99.2	188	986	1.68	125	33.8	352	175,356
Area	70.9	1.61	70.7	0.01	0.16	0.14	—	1,439
Energy	0.71	12.3	6.27	0.08	0.98	0.98	—	50,184
Water	—	—	—	—	—	—	—	4,749
Waste	—	—	—	—	—	—	—	4,295
Refrig.	—	—	—	—	—	—	354	354
Total	171	202	1,063	1.77	126	34.9	706	236,378
Annual	—	—	—	—	—	—	—	—
Mobile	18.1	34.3	180	0.31	22.8	6.16	58.3	29,032
Area	12.9	0.29	12.9	< 0.005	0.03	0.02	—	238
Energy	0.13	2.24	1.14	0.01	0.18	0.18	—	8,309
Water	—	—	—	—	—	—	—	786

Waste	—	—	—	—	—	—	—	711
Refrig.	—	—	—	—	—	—	58.6	58.6
Total	31.2	36.8	194	0.32	23.0	6.37	117	39,135

3. Construction Emissions Details

3.1. Demolition (2011) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	5.00	49.1	38.0	0.03	2.49	2.29	—	3,419
Demolition	—	—	—	—	1.18	0.18	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	4.04	3.12	< 0.005	0.21	0.19	—	281
Demolition	—	—	—	—	0.10	0.01	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.74	0.57	< 0.005	0.04	0.03	—	46.5
Demolition	—	—	—	—	0.02	< 0.005	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.17	0.33	2.83	0.00	0.20	0.05	0.03	244

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.77	13.0	3.11	0.02	0.92	0.61	0.08	1,592
Average Daily	—	—	—	—	—	—	—	—
Worker	0.01	0.03	0.28	0.00	0.02	< 0.005	0.04	21.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.06	1.06	0.25	< 0.005	0.08	0.05	0.11	131
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	< 0.005	< 0.005	0.01	3.57
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.19	0.05	< 0.005	0.01	0.01	0.02	21.7

3.2. Demolition (2011) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	5.00	41.8	38.0	0.03	2.49	2.29	—	3,419
Demolition	—	—	—	—	1.18	0.18	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	3.43	3.12	< 0.005	0.21	0.19	—	281
Demolition	—	—	—	—	0.10	0.01	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.63	0.57	< 0.005	0.04	0.03	—	46.5
Demolition	—	—	—	—	0.02	< 0.005	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.17	0.33	2.83	0.00	0.20	0.05	0.03	244
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.77	13.0	3.11	0.02	0.92	0.61	0.08	1,592
Average Daily	—	—	—	—	—	—	—	—
Worker	0.01	0.03	0.28	0.00	0.02	< 0.005	0.04	21.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.06	1.06	0.25	< 0.005	0.08	0.05	0.11	131
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	< 0.005	< 0.005	0.01	3.57
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.19	0.05	< 0.005	0.01	0.01	0.02	21.7

3.3. Site Preparation (2011) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	6.78	77.3	56.3	0.05	3.98	3.66	—	5,283
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	6.78	77.3	56.3	0.05	3.98	3.66	—	5,283

Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	4.28	48.8	35.6	0.03	2.52	2.32	—	3,339
Dust From Material Movement	—	—	—	—	4.85	2.49	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	8.91	6.49	0.01	0.46	0.42	—	553
Dust From Material Movement	—	—	—	—	0.88	0.45	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.25	0.34	5.36	0.00	0.23	0.05	1.38	339
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.20	0.38	3.30	0.00	0.23	0.05	0.04	285
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.13	0.23	2.49	0.00	0.14	0.03	0.38	193
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.04	0.45	0.00	0.03	0.01	0.06	32.0
Vendor	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

3.4. Site Preparation (2011) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	6.78	65.7	56.3	0.05	3.98	3.66	—	5,283
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	6.78	65.7	56.3	0.05	3.98	3.66	—	5,283
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	4.28	41.5	35.6	0.03	2.52	2.32	—	3,339
Dust From Material Movement	—	—	—	—	4.85	2.49	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	7.58	6.49	0.01	0.46	0.42	—	553
Dust From Material Movement	—	—	—	—	0.88	0.45	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.25	0.34	5.36	0.00	0.23	0.05	1.38	339

Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.20	0.38	3.30	0.00	0.23	0.05	0.04	285
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.13	0.23	2.49	0.00	0.14	0.03	0.38	193
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.04	0.45	0.00	0.03	0.01	0.06	32.0
Vendor	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

3.5. Site Preparation (2012) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	6.82	77.2	56.3	0.05	3.99	3.67	—	5,285
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80	9.06	6.61	0.01	0.47	0.43	—	620

Dust From Material Movement	—	—	—	—	0.90	0.46	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	1.65	1.21	< 0.005	0.09	0.08	—	103
Dust From Material Movement	—	—	—	—	0.16	0.08	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.19	0.36	3.11	0.00	0.23	0.05	0.04	283
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.02	0.04	0.44	0.00	0.03	0.01	0.07	35.6
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.08	0.00	< 0.005	< 0.005	0.01	5.90
Vendor	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

3.6. Site Preparation (2012) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	6.82	65.6	56.3	0.05	3.99	3.67	—	5,285
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80	7.70	6.61	0.01	0.47	0.43	—	620
Dust From Material Movement	—	—	—	—	0.90	0.46	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	1.41	1.21	< 0.005	0.09	0.08	—	103
Dust From Material Movement	—	—	—	—	0.16	0.08	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.19	0.36	3.11	0.00	0.23	0.05	0.04	283
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.02	0.04	0.44	0.00	0.03	0.01	0.07	35.6
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.08	0.00	< 0.005	< 0.005	0.01	5.90
Vendor	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

3.7. Grading (2011) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	7.06	84.2	53.3	0.06	3.98	3.66	—	6,605
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	7.06	84.2	53.3	0.06	3.98	3.66	—	6,605
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	2.96	35.3	22.3	0.03	1.67	1.53	—	2,766
Dust From Material Movement	—	—	—	—	1.50	0.60	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.54	6.44	4.07	< 0.005	0.30	0.28	—	458
Dust From Material Movement	—	—	—	—	0.27	0.11	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.28	0.39	6.13	0.00	0.26	0.06	1.57	387
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.12	1.91	0.49	< 0.005	0.14	0.10	0.50	251
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.23	0.44	3.77	0.00	0.26	0.06	0.04	326
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.12	2.04	0.49	< 0.005	0.14	0.10	0.01	250
Average Daily	—	—	—	—	—	—	—	—
Worker	0.10	0.17	1.88	0.00	0.11	0.03	0.29	146
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.84	0.20	< 0.005	0.06	0.04	0.09	105
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.34	0.00	0.02	< 0.005	0.05	24.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.15	0.04	< 0.005	0.01	0.01	0.01	17.4

3.8. Grading (2011) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	7.06	71.6	53.3	0.06	3.98	3.66	—	6,605
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	7.06	71.6	53.3	0.06	3.98	3.66	—	6,605
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	2.96	30.0	22.3	0.03	1.67	1.53	—	2,766
Dust From Material Movement	—	—	—	—	1.50	0.60	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.54	5.47	4.07	< 0.005	0.30	0.28	—	458
Dust From Material Movement	—	—	—	—	0.27	0.11	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.28	0.39	6.13	0.00	0.26	0.06	1.57	387
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.12	1.91	0.49	< 0.005	0.14	0.10	0.50	251
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.23	0.44	3.77	0.00	0.26	0.06	0.04	326
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.12	2.04	0.49	< 0.005	0.14	0.10	0.01	250
Average Daily	—	—	—	—	—	—	—	—
Worker	0.10	0.17	1.88	0.00	0.11	0.03	0.29	146
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.84	0.20	< 0.005	0.06	0.04	0.09	105
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.34	0.00	0.02	< 0.005	0.05	24.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.15	0.04	< 0.005	0.01	0.01	0.01	17.4

3.9. Grading (2012) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	7.13	84.2	53.5	0.06	3.99	3.67	—	6,605
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	7.13	84.2	53.5	0.06	3.99	3.67	—	6,605
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	2.54	30.0	19.1	0.02	1.42	1.31	—	2,352
Dust From Material Movement	—	—	—	—	1.28	0.51	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	5.47	3.48	< 0.005	0.26	0.24	—	389
Dust From Material Movement	—	—	—	—	0.23	0.09	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.27	0.37	5.80	0.00	0.26	0.06	1.57	381
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.10	1.72	0.43	< 0.005	0.14	0.09	0.50	250
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.22	0.41	3.56	0.00	0.26	0.06	0.04	323
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	1.84	0.44	< 0.005	0.14	0.09	0.01	249
Average Daily	—	—	—	—	—	—	—	—
Worker	0.08	0.14	1.51	0.00	0.09	0.02	0.24	124
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.04	0.65	0.15	< 0.005	0.05	0.03	0.08	88.9
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.28	0.00	0.02	< 0.005	0.04	20.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.12	0.03	< 0.005	0.01	0.01	0.01	14.7

3.10. Grading (2012) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	7.13	71.5	53.5	0.06	3.99	3.67	—	6,605
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	7.13	71.5	53.5	0.06	3.99	3.67	—	6,605
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	2.54	25.5	19.1	0.02	1.42	1.31	—	2,352
Dust From Material Movement	—	—	—	—	1.28	0.51	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	4.65	3.48	< 0.005	0.26	0.24	—	389
Dust From Material Movement	—	—	—	—	0.23	0.09	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.27	0.37	5.80	0.00	0.26	0.06	1.57	381
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	1.72	0.43	< 0.005	0.14	0.09	0.50	250
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.22	0.41	3.56	0.00	0.26	0.06	0.04	323
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	1.84	0.44	< 0.005	0.14	0.09	0.01	249
Average Daily	—	—	—	—	—	—	—	—
Worker	0.08	0.14	1.51	0.00	0.09	0.02	0.24	124
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.04	0.65	0.15	< 0.005	0.05	0.03	0.08	88.9
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.28	0.00	0.02	< 0.005	0.04	20.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.12	0.03	< 0.005	0.01	0.01	0.01	14.7

3.11. Building Construction (2012) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.22	28.3	18.4	0.02	1.90	1.74	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.22	28.3	18.4	0.02	1.90	1.74	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.16	10.2	6.61	0.01	0.68	0.63	—	866
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	1.86	1.21	< 0.005	0.12	0.11	—	143
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	19.5	27.0	425	0.00	19.2	4.49	115	27,934
Vendor	4.64	74.9	28.7	0.08	6.19	3.69	32.0	12,497
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	15.8	30.0	261	0.00	19.2	4.49	3.00	23,700
Vendor	4.61	80.1	28.3	0.08	6.20	3.70	0.83	12,439
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	6.20	10.1	112	0.00	6.86	1.61	18.0	9,152

Vendor	1.66	28.5	10.1	0.03	2.22	1.33	4.97	4,489
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	1.13	1.84	20.5	0.00	1.25	0.29	2.98	1,515
Vendor	0.30	5.19	1.85	0.01	0.41	0.24	0.82	743
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Construction (2012) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.22	24.1	18.4	0.02	1.90	1.74	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.22	24.1	18.4	0.02	1.90	1.74	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.16	8.67	6.61	0.01	0.68	0.63	—	866
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	1.58	1.21	< 0.005	0.12	0.11	—	143
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	19.5	27.0	425	0.00	19.2	4.49	115	27,934
Vendor	4.64	74.9	28.7	0.08	6.19	3.69	32.0	12,497

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	15.8	30.0	261	0.00	19.2	4.49	3.00	23,700
Vendor	4.61	80.1	28.3	0.08	6.20	3.70	0.83	12,439
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	6.20	10.1	112	0.00	6.86	1.61	18.0	9,152
Vendor	1.66	28.5	10.1	0.03	2.22	1.33	4.97	4,489
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	1.13	1.84	20.5	0.00	1.25	0.29	2.98	1,515
Vendor	0.30	5.19	1.85	0.01	0.41	0.24	0.82	743
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Building Construction (2013) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.06	27.2	17.9	0.02	1.81	1.66	—	2,404
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.06	27.2	17.9	0.02	1.81	1.66	—	2,404
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	2.19	19.5	12.8	0.02	1.29	1.19	—	1,717
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	3.55	2.34	< 0.005	0.24	0.22	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	18.3	24.4	390	0.00	19.2	4.49	116	27,369
Vendor	3.94	66.8	24.8	0.08	5.60	3.27	32.0	12,246
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	14.7	27.4	238	0.00	19.2	4.49	3.00	23,056
Vendor	3.82	71.5	24.4	0.08	5.61	3.28	0.83	12,189
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	11.0	18.2	203	0.00	13.6	3.19	35.7	17,671
Vendor	2.78	50.4	17.4	0.06	3.99	2.33	9.86	8,725
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	2.01	3.33	37.1	0.00	2.48	0.58	5.91	2,926
Vendor	0.51	9.19	3.17	0.01	0.73	0.43	1.63	1,445
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Building Construction (2013) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.06	23.2	17.9	0.02	1.81	1.66	—	2,404

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.06	23.2	17.9	0.02	1.81	1.66	—	2,404
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	2.19	16.5	12.8	0.02	1.29	1.19	—	1,717
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	3.02	2.34	< 0.005	0.24	0.22	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	18.3	24.4	390	0.00	19.2	4.49	116	27,369
Vendor	3.94	66.8	24.8	0.08	5.60	3.27	32.0	12,246
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	14.7	27.4	238	0.00	19.2	4.49	3.00	23,056
Vendor	3.82	71.5	24.4	0.08	5.61	3.28	0.83	12,189
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	11.0	18.2	203	0.00	13.6	3.19	35.7	17,671
Vendor	2.78	50.4	17.4	0.06	3.99	2.33	9.86	8,725
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	2.01	3.33	37.1	0.00	2.48	0.58	5.91	2,926
Vendor	0.51	9.19	3.17	0.01	0.73	0.43	1.63	1,445
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Building Construction (2014) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.89	26.1	17.5	0.02	1.71	1.57	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.89	26.1	17.5	0.02	1.71	1.57	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	2.07	18.6	12.5	0.02	1.22	1.12	—	1,717
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	3.40	2.28	< 0.005	0.22	0.21	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	16.4	21.3	345	0.00	19.2	4.49	116	26,838
Vendor	2.90	58.7	20.2	0.08	4.93	2.60	32.0	12,337
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	13.0	24.3	207	0.00	19.2	4.49	3.01	22,623
Vendor	2.86	62.8	19.9	0.08	4.94	2.61	0.83	12,283
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	9.77	16.0	179	0.00	13.6	3.19	35.8	17,339

Vendor	2.05	44.3	14.1	0.06	3.52	1.86	9.86	8,792
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	1.78	2.91	32.6	0.00	2.48	0.58	5.92	2,871
Vendor	0.37	8.08	2.58	0.01	0.64	0.34	1.63	1,456
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Building Construction (2014) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.89	22.2	17.5	0.02	1.71	1.57	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.89	22.2	17.5	0.02	1.71	1.57	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	2.07	15.8	12.5	0.02	1.22	1.12	—	1,717
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	2.89	2.28	< 0.005	0.22	0.21	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	16.4	21.3	345	0.00	19.2	4.49	116	26,838
Vendor	2.90	58.7	20.2	0.08	4.93	2.60	32.0	12,337

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	13.0	24.3	207	0.00	19.2	4.49	3.01	22,623
Vendor	2.86	62.8	19.9	0.08	4.94	2.61	0.83	12,283
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	9.77	16.0	179	0.00	13.6	3.19	35.8	17,339
Vendor	2.05	44.3	14.1	0.06	3.52	1.86	9.86	8,792
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	1.78	2.91	32.6	0.00	2.48	0.58	5.92	2,871
Vendor	0.37	8.08	2.58	0.01	0.64	0.34	1.63	1,456
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Building Construction (2015) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.78	25.3	17.3	0.02	1.65	1.51	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.78	25.3	17.3	0.02	1.65	1.51	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.99	18.1	12.4	0.02	1.18	1.08	—	1,717
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	3.30	2.26	< 0.005	0.21	0.20	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	14.4	19.3	307	0.00	19.2	4.49	116	26,466
Vendor	2.49	52.0	18.4	0.09	4.69	2.36	32.0	12,388
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	11.2	21.1	182	0.00	19.2	4.49	3.01	22,312
Vendor	2.45	55.7	18.2	0.09	4.69	2.36	0.83	12,335
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	8.91	14.1	158	0.00	13.6	3.19	35.8	17,108
Vendor	1.76	39.2	12.9	0.06	3.34	1.68	9.86	8,830
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	1.63	2.58	28.9	0.00	2.48	0.58	5.92	2,832
Vendor	0.32	7.16	2.35	0.01	0.61	0.31	1.63	1,462
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.18. Building Construction (2015) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.78	21.5	17.3	0.02	1.65	1.51	—	2,403

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.78	21.5	17.3	0.02	1.65	1.51	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.99	15.4	12.4	0.02	1.18	1.08	—	1,717
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	2.81	2.26	< 0.005	0.21	0.20	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	14.4	19.3	307	0.00	19.2	4.49	116	26,466
Vendor	2.49	52.0	18.4	0.09	4.69	2.36	32.0	12,388
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	11.2	21.1	182	0.00	19.2	4.49	3.01	22,312
Vendor	2.45	55.7	18.2	0.09	4.69	2.36	0.83	12,335
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	8.91	14.1	158	0.00	13.6	3.19	35.8	17,108
Vendor	1.76	39.2	12.9	0.06	3.34	1.68	9.86	8,830
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	1.63	2.58	28.9	0.00	2.48	0.58	5.92	2,832
Vendor	0.32	7.16	2.35	0.01	0.61	0.31	1.63	1,462
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.19. Building Construction (2016) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.60	23.8	16.8	0.02	1.53	1.41	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.60	23.8	16.8	0.02	1.53	1.41	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.86	17.1	12.1	0.02	1.10	1.01	—	1,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	3.12	2.20	< 0.005	0.20	0.18	—	285
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	13.2	17.4	280	0.00	19.2	4.49	116	26,001
Vendor	2.14	45.2	16.3	0.09	4.44	2.10	32.0	12,502
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	10.2	19.2	165	0.00	19.2	4.49	3.01	21,948
Vendor	2.11	48.4	16.1	0.09	4.44	2.11	0.83	12,453
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	8.20	12.8	144	0.00	13.6	3.20	35.9	16,860

Vendor	1.52	34.1	11.5	0.06	3.17	1.50	9.88	8,936
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	1.50	2.34	26.3	0.00	2.49	0.58	5.94	2,791
Vendor	0.28	6.23	2.10	0.01	0.58	0.27	1.64	1,479
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.20. Building Construction (2016) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.60	20.3	16.8	0.02	1.53	1.41	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.60	20.3	16.8	0.02	1.53	1.41	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.86	14.5	12.1	0.02	1.10	1.01	—	1,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	2.65	2.20	< 0.005	0.20	0.18	—	285
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	13.2	17.4	280	0.00	19.2	4.49	116	26,001
Vendor	2.14	45.2	16.3	0.09	4.44	2.10	32.0	12,502

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	10.2	19.2	165	0.00	19.2	4.49	3.01	21,948
Vendor	2.11	48.4	16.1	0.09	4.44	2.11	0.83	12,453
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	8.20	12.8	144	0.00	13.6	3.20	35.9	16,860
Vendor	1.52	34.1	11.5	0.06	3.17	1.50	9.88	8,936
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	1.50	2.34	26.3	0.00	2.49	0.58	5.94	2,791
Vendor	0.28	6.23	2.10	0.01	0.58	0.27	1.64	1,479
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.21. Building Construction (2017) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.40	22.3	16.3	0.02	1.40	1.29	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.40	22.3	16.3	0.02	1.40	1.29	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.57	14.6	10.7	0.02	0.92	0.84	—	1,575
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	2.67	1.95	< 0.005	0.17	0.15	—	261
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	12.8	15.5	258	0.00	19.2	4.49	116	25,639
Vendor	1.81	40.1	14.2	0.09	4.19	1.94	32.0	12,497
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	9.98	17.3	151	0.00	19.2	4.49	3.01	21,658
Vendor	1.78	42.9	14.2	0.09	4.19	1.94	0.83	12,453
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	6.91	10.5	122	0.00	12.5	2.93	32.8	15,218
Vendor	1.16	27.7	9.21	0.06	2.74	1.27	9.05	8,177
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	1.26	1.91	22.2	0.00	2.28	0.53	5.44	2,519
Vendor	0.21	5.06	1.68	0.01	0.50	0.23	1.50	1,354
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.22. Building Construction (2017) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.40	19.0	16.3	0.02	1.40	1.29	—	2,403

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.40	19.0	16.3	0.02	1.40	1.29	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.57	12.4	10.7	0.02	0.92	0.84	—	1,575
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	2.27	1.95	< 0.005	0.17	0.15	—	261
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	12.8	15.5	258	0.00	19.2	4.49	116	25,639
Vendor	1.81	40.1	14.2	0.09	4.19	1.94	32.0	12,497
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	9.98	17.3	151	0.00	19.2	4.49	3.01	21,658
Vendor	1.78	42.9	14.2	0.09	4.19	1.94	0.83	12,453
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	6.91	10.5	122	0.00	12.5	2.93	32.8	15,218
Vendor	1.16	27.7	9.21	0.06	2.74	1.27	9.05	8,177
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	1.26	1.91	22.2	0.00	2.28	0.53	5.44	2,519
Vendor	0.21	5.06	1.68	0.01	0.50	0.23	1.50	1,354
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.23. Paving (2012) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.36	18.4	11.5	0.01	1.46	1.34	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.36	18.4	11.5	0.01	1.46	1.34	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.85	6.63	4.13	0.01	0.53	0.48	—	548
Paving	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	1.21	0.75	< 0.005	0.10	0.09	—	90.7
Paving	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.20	0.28	4.35	0.00	0.20	0.05	1.18	286
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.16	0.31	2.67	0.00	0.20	0.05	0.03	243

Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.06	0.10	1.15	0.00	0.07	0.02	0.18	93.7
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.02	0.21	0.00	0.01	< 0.005	0.03	15.5
Vendor	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

3.24. Paving (2012) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.36	15.6	11.5	0.01	1.46	1.34	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.36	15.6	11.5	0.01	1.46	1.34	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.85	5.63	4.13	0.01	0.53	0.48	—	548
Paving	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	1.03	0.75	< 0.005	0.10	0.09	—	90.7
Paving	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.20	0.28	4.35	0.00	0.20	0.05	1.18	286
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.16	0.31	2.67	0.00	0.20	0.05	0.03	243
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.06	0.10	1.15	0.00	0.07	0.02	0.18	93.7
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.02	0.21	0.00	0.01	< 0.005	0.03	15.5
Vendor	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

3.25. Paving (2013) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Off-Road Equipment	2.22	17.4	11.3	0.01	1.37	1.26	—	1,520
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.22	17.4	11.3	0.01	1.37	1.26	—	1,520
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.59	12.4	8.10	0.01	0.98	0.90	—	1,086
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	2.27	1.48	< 0.005	0.18	0.16	—	180
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.19	0.25	3.99	0.00	0.20	0.05	1.19	280
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.15	0.28	2.43	0.00	0.20	0.05	0.03	236
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.11	0.19	2.08	0.00	0.14	0.03	0.37	181
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.38	0.00	0.03	0.01	0.06	29.9
Vendor	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

3.26. Paving (2013) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.22	14.8	11.3	0.01	1.37	1.26	—	1,520
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.22	14.8	11.3	0.01	1.37	1.26	—	1,520
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.59	10.6	8.10	0.01	0.98	0.90	—	1,086
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	1.93	1.48	< 0.005	0.18	0.16	—	180
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.19	0.25	3.99	0.00	0.20	0.05	1.19	280
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.15	0.28	2.43	0.00	0.20	0.05	0.03	236
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.11	0.19	2.08	0.00	0.14	0.03	0.37	181
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.38	0.00	0.03	0.01	0.06	29.9
Vendor	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

3.27. Paving (2014) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.08	16.5	11.2	0.01	1.28	1.18	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.08	16.5	11.2	0.01	1.28	1.18	—	1,521

Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.48	11.8	8.01	0.01	0.91	0.84	—	1,086
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	2.15	1.46	< 0.005	0.17	0.15	—	180
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.17	0.22	3.53	0.00	0.20	0.05	1.19	275
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.13	0.25	2.12	0.00	0.20	0.05	0.03	232
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.10	0.16	1.83	0.00	0.14	0.03	0.37	177
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.33	0.00	0.03	0.01	0.06	29.4
Vendor	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

3.28. Paving (2014) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.08	14.0	11.2	0.01	1.28	1.18	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.08	14.0	11.2	0.01	1.28	1.18	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.48	10.0	8.01	0.01	0.91	0.84	—	1,086
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	1.83	1.46	< 0.005	0.17	0.15	—	180
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.17	0.22	3.53	0.00	0.20	0.05	1.19	275
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.13	0.25	2.12	0.00	0.20	0.05	0.03	232

Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.10	0.16	1.83	0.00	0.14	0.03	0.37	177
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.33	0.00	0.03	0.01	0.06	29.4
Vendor	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

3.29. Paving (2015) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.05	16.1	11.2	0.01	1.26	1.16	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.05	16.1	11.2	0.01	1.26	1.16	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.47	11.5	8.03	0.01	0.90	0.83	—	1,086
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	2.09	1.46	< 0.005	0.16	0.15	—	180
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.15	0.20	3.14	0.00	0.20	0.05	1.19	271
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.11	0.22	1.86	0.00	0.20	0.05	0.03	228
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.09	0.14	1.62	0.00	0.14	0.03	0.37	175
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.30	0.00	0.03	0.01	0.06	29.0
Vendor	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

3.30. Paving (2015) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Off-Road Equipment	2.05	13.7	11.2	0.01	1.26	1.16	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.05	13.7	11.2	0.01	1.26	1.16	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.47	9.75	8.03	0.01	0.90	0.83	—	1,086
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	1.78	1.46	< 0.005	0.16	0.15	—	180
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.15	0.20	3.14	0.00	0.20	0.05	1.19	271
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.11	0.22	1.86	0.00	0.20	0.05	0.03	228
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.09	0.14	1.62	0.00	0.14	0.03	0.37	175
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.30	0.00	0.03	0.01	0.06	29.0
Vendor	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

3.31. Paving (2016) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.96	15.3	11.2	0.01	1.19	1.10	—	1,520
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.96	15.3	11.2	0.01	1.19	1.10	—	1,520
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.41	11.0	8.01	0.01	0.85	0.78	—	1,088
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	2.00	1.46	< 0.005	0.16	0.14	—	180
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.14	0.18	2.86	0.00	0.20	0.05	1.19	266
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.10	0.20	1.69	0.00	0.20	0.05	0.03	225
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.08	0.13	1.48	0.00	0.14	0.03	0.37	173
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.27	0.00	0.03	0.01	0.06	28.6
Vendor	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

3.32. Paving (2016) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.96	13.0	11.2	0.01	1.19	1.10	—	1,520
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.96	13.0	11.2	0.01	1.19	1.10	—	1,520

Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.41	9.31	8.01	0.01	0.85	0.78	—	1,088
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	1.70	1.46	< 0.005	0.16	0.14	—	180
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.14	0.18	2.86	0.00	0.20	0.05	1.19	266
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.10	0.20	1.69	0.00	0.20	0.05	0.03	225
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.08	0.13	1.48	0.00	0.14	0.03	0.37	173
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.27	0.00	0.03	0.01	0.06	28.6
Vendor	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

3.33. Paving (2017) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.80	14.2	11.0	0.01	1.08	0.99	—	1,519
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.80	14.2	11.0	0.01	1.08	0.99	—	1,519
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18	9.28	7.22	0.01	0.71	0.65	—	996
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	1.69	1.32	< 0.005	0.13	0.12	—	165
Paving	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.13	0.16	2.64	0.00	0.20	0.05	1.19	262
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.10	0.18	1.55	0.00	0.20	0.05	0.03	222

Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.07	0.11	1.24	0.00	0.13	0.03	0.34	156
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.02	0.23	0.00	0.02	0.01	0.06	25.8
Vendor	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

3.34. Paving (2017) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.80	12.0	11.0	0.01	1.08	0.99	—	1,519
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.80	12.0	11.0	0.01	1.08	0.99	—	1,519
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18	7.89	7.22	0.01	0.71	0.65	—	996
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	1.44	1.32	< 0.005	0.13	0.12	—	165
Paving	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.13	0.16	2.64	0.00	0.20	0.05	1.19	262
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.10	0.18	1.55	0.00	0.20	0.05	0.03	222
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.07	0.11	1.24	0.00	0.13	0.03	0.34	156
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.02	0.23	0.00	0.02	0.01	0.06	25.8
Vendor	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

3.35. Architectural Coating (2013) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Off-Road Equipment	0.45	1.33	1.51	< 0.005	0.13	0.12	—	134
Architectural Coatings	34.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	1.33	1.51	< 0.005	0.13	0.12	—	134
Architectural Coatings	34.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.48	0.54	< 0.005	0.05	0.04	—	48.2
Architectural Coatings	12.4	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.09	0.10	< 0.005	0.01	0.01	—	7.99
Architectural Coatings	2.26	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	3.66	4.88	77.9	0.00	3.83	0.90	23.3	5,474
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	2.93	5.49	47.5	0.00	3.83	0.90	0.60	4,611
Vendor	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
Average Daily	—	—	—	—	—	—	—	—

Worker	1.11	1.84	20.5	0.00	1.37	0.32	3.60	1,782
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.20	0.34	3.74	0.00	0.25	0.06	0.60	295
Vendor	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

3.36. Architectural Coating (2013) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	1.13	1.51	< 0.005	0.13	0.12	—	134
Architectural Coatings	34.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	1.13	1.51	< 0.005	0.13	0.12	—	134
Architectural Coatings	34.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.41	0.54	< 0.005	0.05	0.04	—	48.2
Architectural Coatings	12.4	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—

Off-Road Equipment	0.03	0.07	0.10	< 0.005	0.01	0.01	—	7.99
Architectural Coatings	2.26	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	3.66	4.88	77.9	0.00	3.83	0.90	23.3	5,474
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	2.93	5.49	47.5	0.00	3.83	0.90	0.60	4,611
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	1.11	1.84	20.5	0.00	1.37	0.32	3.60	1,782
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.20	0.34	3.74	0.00	0.25	0.06	0.60	295
Vendor	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

3.37. Architectural Coating (2014) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Off-Road Equipment	0.40	1.27	1.45	< 0.005	0.12	0.11	—	134
Architectural Coatings	34.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	1.27	1.45	< 0.005	0.12	0.11	—	134
Architectural Coatings	34.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.91	1.04	< 0.005	0.08	0.08	—	95.7
Architectural Coatings	24.5	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.17	0.19	< 0.005	0.02	0.01	—	15.8
Architectural Coatings	4.48	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	3.27	4.25	69.1	0.00	3.83	0.90	23.3	5,368
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	2.60	4.86	41.4	0.00	3.83	0.90	0.60	4,525
Vendor	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
Average Daily	—	—	—	—	—	—	—	—

Worker	1.95	3.19	35.8	0.00	2.72	0.64	7.16	3,468
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.36	0.58	6.53	0.00	0.50	0.12	1.18	574
Vendor	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

3.38. Architectural Coating (2014) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	1.08	1.45	< 0.005	0.12	0.11	—	134
Architectural Coatings	34.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	1.08	1.45	< 0.005	0.12	0.11	—	134
Architectural Coatings	34.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.77	1.04	< 0.005	0.08	0.08	—	95.7
Architectural Coatings	24.5	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—

Off-Road Equipment	0.05	0.14	0.19	< 0.005	0.02	0.01	—	15.8
Architectural Coatings	4.48	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	3.27	4.25	69.1	0.00	3.83	0.90	23.3	5,368
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	2.60	4.86	41.4	0.00	3.83	0.90	0.60	4,525
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	1.95	3.19	35.8	0.00	2.72	0.64	7.16	3,468
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.36	0.58	6.53	0.00	0.50	0.12	1.18	574
Vendor	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

3.39. Architectural Coating (2015) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Off-Road Equipment	0.36	1.23	1.40	< 0.005	0.11	0.10	—	134
Architectural Coatings	34.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	1.23	1.40	< 0.005	0.11	0.10	—	134
Architectural Coatings	34.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	0.88	1.00	< 0.005	0.08	0.07	—	95.7
Architectural Coatings	24.5	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.16	0.18	< 0.005	0.01	0.01	—	15.8
Architectural Coatings	4.48	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	2.88	3.87	61.4	0.00	3.83	0.90	23.3	5,293
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	2.24	4.23	36.4	0.00	3.83	0.90	0.60	4,462
Vendor	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
Average Daily	—	—	—	—	—	—	—	—

Worker	1.78	2.83	31.7	0.00	2.72	0.64	7.16	3,422
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.33	0.52	5.78	0.00	0.50	0.12	1.18	566
Vendor	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

3.40. Architectural Coating (2015) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	1.04	1.40	< 0.005	0.11	0.10	—	134
Architectural Coatings	34.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	1.04	1.40	< 0.005	0.11	0.10	—	134
Architectural Coatings	34.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	0.75	1.00	< 0.005	0.08	0.07	—	95.7
Architectural Coatings	24.5	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—

Off-Road Equipment	0.05	0.14	0.18	< 0.005	0.01	0.01	—	15.8
Architectural Coatings	4.48	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	2.88	3.87	61.4	0.00	3.83	0.90	23.3	5,293
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	2.24	4.23	36.4	0.00	3.83	0.90	0.60	4,462
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	1.78	2.83	31.7	0.00	2.72	0.64	7.16	3,422
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.33	0.52	5.78	0.00	0.50	0.12	1.18	566
Vendor	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

3.41. Architectural Coating (2016) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Off-Road Equipment	0.32	1.18	1.36	< 0.005	0.10	0.09	—	134
Architectural Coatings	34.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	1.18	1.36	< 0.005	0.10	0.09	—	134
Architectural Coatings	34.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.85	0.97	< 0.005	0.07	0.06	—	96.0
Architectural Coatings	24.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.15	0.18	< 0.005	0.01	0.01	—	15.9
Architectural Coatings	4.49	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	2.65	3.48	55.9	0.00	3.83	0.90	23.3	5,200
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	2.04	3.84	33.0	0.00	3.83	0.90	0.60	4,390
Vendor	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
Average Daily	—	—	—	—	—	—	—	—

Worker	1.64	2.56	28.8	0.00	2.73	0.64	7.18	3,372
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.30	0.47	5.26	0.00	0.50	0.12	1.19	558
Vendor	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

3.42. Architectural Coating (2016) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	1.01	1.36	< 0.005	0.10	0.09	—	134
Architectural Coatings	34.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	1.01	1.36	< 0.005	0.10	0.09	—	134
Architectural Coatings	34.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.72	0.97	< 0.005	0.07	0.06	—	96.0
Architectural Coatings	24.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—

Off-Road Equipment	0.04	0.13	0.18	< 0.005	0.01	0.01	—	15.9
Architectural Coatings	4.49	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	2.65	3.48	55.9	0.00	3.83	0.90	23.3	5,200
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	2.04	3.84	33.0	0.00	3.83	0.90	0.60	4,390
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	1.64	2.56	28.8	0.00	2.73	0.64	7.18	3,372
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.30	0.47	5.26	0.00	0.50	0.12	1.19	558
Vendor	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

3.43. Architectural Coating (2017) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Off-Road Equipment	0.29	1.14	1.32	< 0.005	0.09	0.08	—	134
Architectural Coatings	34.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	1.14	1.32	< 0.005	0.09	0.08	—	134
Architectural Coatings	34.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.75	0.86	< 0.005	0.06	0.05	—	87.8
Architectural Coatings	22.5	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.14	0.16	< 0.005	0.01	0.01	—	14.5
Architectural Coatings	4.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	2.56	3.10	51.5	0.00	3.83	0.90	23.3	5,128
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	2.00	3.46	30.3	0.00	3.83	0.90	0.60	4,332
Vendor	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
Average Daily	—	—	—	—	—	—	—	—

Worker	1.38	2.10	24.3	0.00	2.50	0.59	6.57	3,044
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.25	0.38	4.44	0.00	0.46	0.11	1.09	504
Vendor	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

3.44. Architectural Coating (2017) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.97	1.32	< 0.005	0.09	0.08	—	134
Architectural Coatings	34.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.97	1.32	< 0.005	0.09	0.08	—	134
Architectural Coatings	34.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.64	0.86	< 0.005	0.06	0.05	—	87.8
Architectural Coatings	22.5	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—

Off-Road Equipment	0.03	0.12	0.16	< 0.005	0.01	0.01	—	14.5
Architectural Coatings	4.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	2.56	3.10	51.5	0.00	3.83	0.90	23.3	5,128
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	2.00	3.46	30.3	0.00	3.83	0.90	0.60	4,332
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	1.38	2.10	24.3	0.00	2.50	0.59	6.57	3,044
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.25	0.38	4.44	0.00	0.46	0.11	1.09	504
Vendor	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

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	15.2	28.7	206	0.30	21.1	5.70	137	31,490
Regional Shopping Center	38.2	45.8	326	0.43	29.8	8.06	193	45,396
Condo/Townhouse	16.7	25.0	179	0.25	17.5	4.72	113	26,269
Strip Mall	21.9	41.4	296	0.44	30.4	8.21	198	45,385
General Office Building	0.76	1.44	10.3	0.02	1.06	0.29	6.89	1,583
Unrefrigerated Warehouse-No Rail	5.23	9.87	70.7	0.10	7.26	1.96	47.1	10,826
Single Family Housing	27.0	40.4	289	0.41	28.2	7.62	183	42,429
Mobile Home Park	13.5	20.2	144	0.20	14.1	3.80	91.3	21,168
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	138	213	1,521	2.15	149	40.3	970	224,545
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	12.0	31.2	134	0.27	21.1	5.70	3.56	27,713
Regional Shopping Center	29.0	49.4	231	0.38	29.8	8.06	5.01	40,077
Condo/Townhouse	12.9	27.1	121	0.22	17.5	4.72	2.94	23,149
Strip Mall	17.3	45.0	194	0.38	30.4	8.21	5.12	39,940
General Office Building	0.60	1.57	6.75	0.01	1.06	0.29	0.18	1,393
Unrefrigerated Warehouse-No Rail	4.13	10.7	46.2	0.09	7.26	1.96	1.22	9,527

Single Family Housing	20.9	43.8	196	0.36	28.2	7.62	4.75	37,390
Mobile Home Park	10.4	21.9	97.8	0.18	14.1	3.80	2.37	18,654
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	107	231	1,026	1.90	149	40.4	25.1	197,843
Annual	—	—	—	—	—	—	—	—
Hotel	2.01	4.69	24.3	0.04	3.28	0.88	8.38	4,131
Regional Shopping Center	5.17	7.43	40.0	0.06	4.55	1.23	11.6	5,892
Condo/Townhouse	2.15	4.03	21.2	0.04	2.68	0.72	6.84	3,409
Strip Mall	2.87	6.71	34.7	0.06	4.69	1.26	12.0	5,908
General Office Building	0.09	0.21	1.07	< 0.005	0.14	0.04	0.37	183
Unrefrigerated Warehouse-No Rail	0.56	1.30	6.73	0.01	0.91	0.25	2.32	1,145
Single Family Housing	3.65	6.86	36.1	0.06	4.56	1.23	11.7	5,804
Mobile Home Park	1.62	3.03	15.9	0.03	2.01	0.54	5.14	2,560
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	18.1	34.3	180	0.31	22.8	6.16	58.3	29,032

4.1.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	15.2	28.7	206	0.30	21.1	5.70	137	31,490
Regional Shopping Center	38.2	45.8	326	0.43	29.8	8.06	193	45,396
Condo/Townhouse	16.7	25.0	179	0.25	17.5	4.72	113	26,269
Strip Mall	21.9	41.4	296	0.44	30.4	8.21	198	45,385
General Office Building	0.76	1.44	10.3	0.02	1.06	0.29	6.89	1,583
Unrefrigerated Warehouse-No Rail	5.23	9.87	70.7	0.10	7.26	1.96	47.1	10,826
Single Family Housing	27.0	40.4	289	0.41	28.2	7.62	183	42,429
Mobile Home Park	13.5	20.2	144	0.20	14.1	3.80	91.3	21,168
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	138	213	1,521	2.15	149	40.3	970	224,545
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	12.0	31.2	134	0.27	21.1	5.70	3.56	27,713
Regional Shopping Center	29.0	49.4	231	0.38	29.8	8.06	5.01	40,077
Condo/Townhouse	12.9	27.1	121	0.22	17.5	4.72	2.94	23,149
Strip Mall	17.3	45.0	194	0.38	30.4	8.21	5.12	39,940
General Office Building	0.60	1.57	6.75	0.01	1.06	0.29	0.18	1,393
Unrefrigerated Warehouse-No Rail	4.13	10.7	46.2	0.09	7.26	1.96	1.22	9,527

Single Family Housing	20.9	43.8	196	0.36	28.2	7.62	4.75	37,390
Mobile Home Park	10.4	21.9	97.8	0.18	14.1	3.80	2.37	18,654
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	107	231	1,026	1.90	149	40.4	25.1	197,843
Annual	—	—	—	—	—	—	—	—
Hotel	2.01	4.69	24.3	0.04	3.28	0.88	8.38	4,131
Regional Shopping Center	5.17	7.43	40.0	0.06	4.55	1.23	11.6	5,892
Condo/Townhouse	2.15	4.03	21.2	0.04	2.68	0.72	6.84	3,409
Strip Mall	2.87	6.71	34.7	0.06	4.69	1.26	12.0	5,908
General Office Building	0.09	0.21	1.07	< 0.005	0.14	0.04	0.37	183
Unrefrigerated Warehouse-No Rail	0.56	1.30	6.73	0.01	0.91	0.25	2.32	1,145
Single Family Housing	3.65	6.86	36.1	0.06	4.56	1.23	11.7	5,804
Mobile Home Park	1.62	3.03	15.9	0.03	2.01	0.54	5.14	2,560
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	18.1	34.3	180	0.31	22.8	6.16	58.3	29,032

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	3,014
Regional Shopping Center	—	—	—	—	—	—	—	3,715
Condo/Townhouse	—	—	—	—	—	—	—	3,131
Strip Mall	—	—	—	—	—	—	—	1,393
General Office Building	—	—	—	—	—	—	—	478
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	8,425
Single Family Housing	—	—	—	—	—	—	—	6,125
Mobile Home Park	—	—	—	—	—	—	—	7,044
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	1,855
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	35,180
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	3,014
Regional Shopping Center	—	—	—	—	—	—	—	3,715
Condo/Townhouse	—	—	—	—	—	—	—	3,131
Strip Mall	—	—	—	—	—	—	—	1,393
General Office Building	—	—	—	—	—	—	—	478

Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	8,425
Single Family Housing	—	—	—	—	—	—	—	6,125
Mobile Home Park	—	—	—	—	—	—	—	7,044
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	1,855
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	35,180
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	499
Regional Shopping Center	—	—	—	—	—	—	—	615
Condo/Townhouse	—	—	—	—	—	—	—	518
Strip Mall	—	—	—	—	—	—	—	231
General Office Building	—	—	—	—	—	—	—	79.1
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,395
Single Family Housing	—	—	—	—	—	—	—	1,014
Mobile Home Park	—	—	—	—	—	—	—	1,166
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	307
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	5,824

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	2,962
Regional Shopping Center	—	—	—	—	—	—	—	3,669
Condo/Townhouse	—	—	—	—	—	—	—	3,013
Strip Mall	—	—	—	—	—	—	—	1,376
General Office Building	—	—	—	—	—	—	—	477
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	8,425
Single Family Housing	—	—	—	—	—	—	—	5,939
Mobile Home Park	—	—	—	—	—	—	—	7,044
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	1,855
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	34,762
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	2,962
Regional Shopping Center	—	—	—	—	—	—	—	3,669
Condo/Townhouse	—	—	—	—	—	—	—	3,013
Strip Mall	—	—	—	—	—	—	—	1,376
General Office Building	—	—	—	—	—	—	—	477

Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	8,425
Single Family Housing	—	—	—	—	—	—	—	5,939
Mobile Home Park	—	—	—	—	—	—	—	7,044
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	1,855
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	34,762
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	490
Regional Shopping Center	—	—	—	—	—	—	—	607
Condo/Townhouse	—	—	—	—	—	—	—	499
Strip Mall	—	—	—	—	—	—	—	228
General Office Building	—	—	—	—	—	—	—	79.0
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,395
Single Family Housing	—	—	—	—	—	—	—	983
Mobile Home Park	—	—	—	—	—	—	—	1,166
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	307
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	5,755

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	0.11	2.02	1.69	0.01	0.15	0.15	—	2,411
Regional Shopping Center	0.02	0.36	0.30	< 0.005	0.03	0.03	—	431
Condo/Townhouse	0.10	1.79	0.76	0.01	0.14	0.14	—	2,278
Strip Mall	0.01	0.14	0.11	< 0.005	0.01	0.01	—	162
General Office Building	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	—	34.4
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	0.27	4.69	1.99	0.03	0.38	0.38	—	5,966
Mobile Home Park	0.19	3.25	1.38	0.02	0.26	0.26	—	4,139
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.71	12.3	6.27	0.08	0.98	0.98	—	15,422
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	0.11	2.02	1.69	0.01	0.15	0.15	—	2,411
Regional Shopping Center	0.02	0.36	0.30	< 0.005	0.03	0.03	—	431
Condo/Townhouse	0.10	1.79	0.76	0.01	0.14	0.14	—	2,278
Strip Mall	0.01	0.14	0.11	< 0.005	0.01	0.01	—	162
General Office Building	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	—	34.4

Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	0.27	4.69	1.99	0.03	0.38	0.38	—	5,966
Mobile Home Park	0.19	3.25	1.38	0.02	0.26	0.26	—	4,139
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.71	12.3	6.27	0.08	0.98	0.98	—	15,422
Annual	—	—	—	—	—	—	—	—
Hotel	0.02	0.37	0.31	< 0.005	0.03	0.03	—	399
Regional Shopping Center	< 0.005	0.07	0.06	< 0.005	0.01	0.01	—	71.4
Condo/Townhouse	0.02	0.33	0.14	< 0.005	0.03	0.03	—	377
Strip Mall	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	26.8
General Office Building	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	—	5.70
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	0.05	0.86	0.36	0.01	0.07	0.07	—	988
Mobile Home Park	0.03	0.59	0.25	< 0.005	0.05	0.05	—	685
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.13	2.24	1.14	0.01	0.18	0.18	—	2,553

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	0.11	2.02	1.69	0.01	0.15	0.15	—	2,411
Regional Shopping Center	0.02	0.36	0.30	< 0.005	0.03	0.03	—	431
Condo/Townhouse	0.10	1.79	0.76	0.01	0.14	0.14	—	2,278
Strip Mall	0.01	0.14	0.11	< 0.005	0.01	0.01	—	162
General Office Building	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	—	34.4
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	0.27	4.69	1.99	0.03	0.38	0.38	—	5,966
Mobile Home Park	0.19	3.25	1.38	0.02	0.26	0.26	—	4,139
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.71	12.3	6.27	0.08	0.98	0.98	—	15,422
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	0.11	2.02	1.69	0.01	0.15	0.15	—	2,411
Regional Shopping Center	0.02	0.36	0.30	< 0.005	0.03	0.03	—	431
Condo/Townhouse	0.10	1.79	0.76	0.01	0.14	0.14	—	2,278
Strip Mall	0.01	0.14	0.11	< 0.005	0.01	0.01	—	162
General Office Building	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	—	34.4

Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	0.27	4.69	1.99	0.03	0.38	0.38	—	5,966
Mobile Home Park	0.19	3.25	1.38	0.02	0.26	0.26	—	4,139
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.71	12.3	6.27	0.08	0.98	0.98	—	15,422
Annual	—	—	—	—	—	—	—	—
Hotel	0.02	0.37	0.31	< 0.005	0.03	0.03	—	399
Regional Shopping Center	< 0.005	0.07	0.06	< 0.005	0.01	0.01	—	71.4
Condo/Townhouse	0.02	0.33	0.14	< 0.005	0.03	0.03	—	377
Strip Mall	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	26.8
General Office Building	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	—	5.70
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	0.05	0.86	0.36	0.01	0.07	0.07	—	988
Mobile Home Park	0.03	0.59	0.25	< 0.005	0.05	0.05	—	685
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.13	2.24	1.14	0.01	0.18	0.18	—	2,553

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hearths	0.73	12.4	5.29	0.08	1.00	1.00	—	17,722
Consumer Products	59.8	—	—	—	—	—	—	—
Architectural Coatings	5.88	—	—	—	—	—	—	—
Landscape Equipment	19.6	1.53	143	0.01	0.18	0.13	—	457
Total	85.9	14.0	148	0.09	1.18	1.14	—	18,179
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hearths	0.73	12.4	5.29	0.08	1.00	1.00	—	17,722
Consumer Products	59.8	—	—	—	—	—	—	—
Architectural Coatings	5.88	—	—	—	—	—	—	—
Total	66.4	12.4	5.29	0.08	1.00	1.00	—	17,722
Annual	—	—	—	—	—	—	—	—
Hearths	0.01	0.16	0.07	< 0.005	0.01	0.01	—	201
Consumer Products	10.9	—	—	—	—	—	—	—
Architectural Coatings	1.07	—	—	—	—	—	—	—
Landscape Equipment	1.76	0.14	12.8	< 0.005	0.02	0.01	—	37.3
Total	13.8	0.29	12.9	< 0.005	0.03	0.02	—	238

4.3.2. Mitigated

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

Source	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hearths	0.73	12.4	5.29	0.08	1.00	1.00	—	17,722
Consumer Products	55.3	—	—	—	—	—	—	—
Architectural Coatings	5.88	—	—	—	—	—	—	—
Landscape Equipment	19.6	1.53	143	0.01	0.18	0.13	—	457
Total	81.5	14.0	148	0.09	1.18	1.14	—	18,179
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hearths	0.73	12.4	5.29	0.08	1.00	1.00	—	17,722
Consumer Products	55.3	—	—	—	—	—	—	—
Architectural Coatings	5.88	—	—	—	—	—	—	—
Total	61.9	12.4	5.29	0.08	1.00	1.00	—	17,722
Annual	—	—	—	—	—	—	—	—
Hearths	0.01	0.16	0.07	< 0.005	0.01	0.01	—	201
Consumer Products	10.1	—	—	—	—	—	—	—
Architectural Coatings	1.07	—	—	—	—	—	—	—
Landscape Equipment	1.76	0.14	12.8	< 0.005	0.02	0.01	—	37.3
Total	12.9	0.29	12.9	< 0.005	0.03	0.02	—	238

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	71.9
Regional Shopping Center	—	—	—	—	—	—	—	228
Condo/Townhouse	—	—	—	—	—	—	—	218
Strip Mall	—	—	—	—	—	—	—	290
General Office Building	—	—	—	—	—	—	—	237
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	2,171
Single Family Housing	—	—	—	—	—	—	—	1,044
Mobile Home Park	—	—	—	—	—	—	—	539
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	4,799
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	71.9
Regional Shopping Center	—	—	—	—	—	—	—	228
Condo/Townhouse	—	—	—	—	—	—	—	218
Strip Mall	—	—	—	—	—	—	—	290
General Office Building	—	—	—	—	—	—	—	237
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	2,171

Single Family Housing	—	—	—	—	—	—	—	1,044
Mobile Home Park	—	—	—	—	—	—	—	539
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	4,799
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	11.9
Regional Shopping Center	—	—	—	—	—	—	—	37.7
Condo/Townhouse	—	—	—	—	—	—	—	36.1
Strip Mall	—	—	—	—	—	—	—	48.0
General Office Building	—	—	—	—	—	—	—	39.2
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	359
Single Family Housing	—	—	—	—	—	—	—	173
Mobile Home Park	—	—	—	—	—	—	—	89.2
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	795

4.4.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	62.1
Regional Shopping Center	—	—	—	—	—	—	—	228
Condo/Townhouse	—	—	—	—	—	—	—	208
Strip Mall	—	—	—	—	—	—	—	290
General Office Building	—	—	—	—	—	—	—	237
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	2,171
Single Family Housing	—	—	—	—	—	—	—	1,044
Mobile Home Park	—	—	—	—	—	—	—	509
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	4,749
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	62.1
Regional Shopping Center	—	—	—	—	—	—	—	228
Condo/Townhouse	—	—	—	—	—	—	—	208
Strip Mall	—	—	—	—	—	—	—	290
General Office Building	—	—	—	—	—	—	—	237
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	2,171

Single Family Housing	—	—	—	—	—	—	—	1,044
Mobile Home Park	—	—	—	—	—	—	—	509
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	4,749
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	10.3
Regional Shopping Center	—	—	—	—	—	—	—	37.7
Condo/Townhouse	—	—	—	—	—	—	—	34.5
Strip Mall	—	—	—	—	—	—	—	48.0
General Office Building	—	—	—	—	—	—	—	39.2
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	359
Single Family Housing	—	—	—	—	—	—	—	173
Mobile Home Park	—	—	—	—	—	—	—	84.3
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	786

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	155
Regional Shopping Center	—	—	—	—	—	—	—	396
Condo/Townhouse	—	—	—	—	—	—	—	474
Strip Mall	—	—	—	—	—	—	—	148
General Office Building	—	—	—	—	—	—	—	17.5
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,060
Single Family Housing	—	—	—	—	—	—	—	901
Mobile Home Park	—	—	—	—	—	—	—	1,144
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	4,295
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	155
Regional Shopping Center	—	—	—	—	—	—	—	396
Condo/Townhouse	—	—	—	—	—	—	—	474
Strip Mall	—	—	—	—	—	—	—	148
General Office Building	—	—	—	—	—	—	—	17.5

Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,060
Single Family Housing	—	—	—	—	—	—	—	901
Mobile Home Park	—	—	—	—	—	—	—	1,144
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	4,295
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	25.6
Regional Shopping Center	—	—	—	—	—	—	—	65.6
Condo/Townhouse	—	—	—	—	—	—	—	78.5
Strip Mall	—	—	—	—	—	—	—	24.6
General Office Building	—	—	—	—	—	—	—	2.90
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	175
Single Family Housing	—	—	—	—	—	—	—	149
Mobile Home Park	—	—	—	—	—	—	—	189
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	711

4.5.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	155
Regional Shopping Center	—	—	—	—	—	—	—	396
Condo/Townhouse	—	—	—	—	—	—	—	474
Strip Mall	—	—	—	—	—	—	—	148
General Office Building	—	—	—	—	—	—	—	17.5
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,060
Single Family Housing	—	—	—	—	—	—	—	901
Mobile Home Park	—	—	—	—	—	—	—	1,144
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	4,295
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	155
Regional Shopping Center	—	—	—	—	—	—	—	396
Condo/Townhouse	—	—	—	—	—	—	—	474
Strip Mall	—	—	—	—	—	—	—	148
General Office Building	—	—	—	—	—	—	—	17.5

Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,060
Single Family Housing	—	—	—	—	—	—	—	901
Mobile Home Park	—	—	—	—	—	—	—	1,144
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	4,295
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	25.6
Regional Shopping Center	—	—	—	—	—	—	—	65.6
Condo/Townhouse	—	—	—	—	—	—	—	78.5
Strip Mall	—	—	—	—	—	—	—	24.6
General Office Building	—	—	—	—	—	—	—	2.90
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	175
Single Family Housing	—	—	—	—	—	—	—	149
Mobile Home Park	—	—	—	—	—	—	—	189
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	711

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	340	340
Regional Shopping Center	—	—	—	—	—	—	0.96	0.96
Condo/Townhouse	—	—	—	—	—	—	2.34	2.34
Strip Mall	—	—	—	—	—	—	0.47	0.47
General Office Building	—	—	—	—	—	—	0.02	0.02
Single Family Housing	—	—	—	—	—	—	7.29	7.29
Mobile Home Park	—	—	—	—	—	—	2.28	2.28
Total	—	—	—	—	—	—	354	354
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	340	340
Regional Shopping Center	—	—	—	—	—	—	0.96	0.96
Condo/Townhouse	—	—	—	—	—	—	2.34	2.34
Strip Mall	—	—	—	—	—	—	0.47	0.47
General Office Building	—	—	—	—	—	—	0.02	0.02
Single Family Housing	—	—	—	—	—	—	7.29	7.29
Mobile Home Park	—	—	—	—	—	—	2.28	2.28
Total	—	—	—	—	—	—	354	354

Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	56.4	56.4
Regional Shopping Center	—	—	—	—	—	—	0.16	0.16
Condo/Townhouse	—	—	—	—	—	—	0.39	0.39
Strip Mall	—	—	—	—	—	—	0.08	0.08
General Office Building	—	—	—	—	—	—	< 0.005	< 0.005
Single Family Housing	—	—	—	—	—	—	1.21	1.21
Mobile Home Park	—	—	—	—	—	—	0.38	0.38
Total	—	—	—	—	—	—	58.6	58.6

4.6.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	340	340
Regional Shopping Center	—	—	—	—	—	—	0.96	0.96
Condo/Townhouse	—	—	—	—	—	—	2.34	2.34
Strip Mall	—	—	—	—	—	—	0.47	0.47
General Office Building	—	—	—	—	—	—	0.02	0.02
Single Family Housing	—	—	—	—	—	—	7.29	7.29
Mobile Home Park	—	—	—	—	—	—	2.28	2.28
Total	—	—	—	—	—	—	354	354
Daily, Winter (Max)	—	—	—	—	—	—	—	—

Hotel	—	—	—	—	—	—	340	340
Regional Shopping Center	—	—	—	—	—	—	0.96	0.96
Condo/Townhouse	—	—	—	—	—	—	2.34	2.34
Strip Mall	—	—	—	—	—	—	0.47	0.47
General Office Building	—	—	—	—	—	—	0.02	0.02
Single Family Housing	—	—	—	—	—	—	7.29	7.29
Mobile Home Park	—	—	—	—	—	—	2.28	2.28
Total	—	—	—	—	—	—	354	354
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	56.4	56.4
Regional Shopping Center	—	—	—	—	—	—	0.16	0.16
Condo/Townhouse	—	—	—	—	—	—	0.39	0.39
Strip Mall	—	—	—	—	—	—	0.08	0.08
General Office Building	—	—	—	—	—	—	< 0.005	< 0.005
Single Family Housing	—	—	—	—	—	—	1.21	1.21
Mobile Home Park	—	—	—	—	—	—	0.38	0.38
Total	—	—	—	—	—	—	58.6	58.6

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—

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

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

Vegetation	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—

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

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—

Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	1/1/2011	2/11/2011	5.00	30.0	—

Site Preparation	Site Preparation	2/12/2011	2/29/2012	5.00	273	—
Grading	Grading	6/1/2011	6/30/2012	5.00	283	—
Building Construction	Building Construction	7/1/2012	12/1/2017	5.00	1,415	—
Paving	Paving	7/1/2012	12/1/2017	5.00	1,415	—
Architectural Coating	Architectural Coating	7/1/2013	12/1/2017	5.00	1,155	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	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	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	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/Backhoes	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
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	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	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	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/Backhoes	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
Demolition	—	—	—	—
Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	21.1	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
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	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	3.31	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	1,466	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	364	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	293	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
Demolition	—	—	—	—
Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	21.1	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
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	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	3.31	20.0	HHDT
Grading	Onsite truck	—	—	HHDT

Building Construction	—	—	—	—
Building Construction	Worker	1,466	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	364	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	293	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

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	3,367,231	1,122,410	1,682,501	560,834	141,134

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	55,000	—
Site Preparation	—	—	410	0.00	—
Grading	4,400	7,500	849	0.00	—
Paving	0.00	0.00	0.00	0.00	76.8

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Hotel	0.00	0%
Regional Shopping Center	0.00	0%
Condo/Townhouse	—	0%
Strip Mall	0.00	0%
General Office Building	0.00	0%
Unrefrigerated Warehouse-No Rail	0.00	0%
Single Family Housing	5.75	0%
Mobile Home Park	6.00	80%
Mobile Home Park	6.00	80%

User Defined Industrial	5.00	0%
Parking Lot	38.7	100%
Other Asphalt Surfaces	15.3	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2011	0.00	457	0.03	< 0.005
2012	0.00	457	0.03	< 0.005
2013	0.00	457	0.03	< 0.005
2014	0.00	457	0.03	< 0.005
2015	0.00	457	0.03	< 0.005
2016	0.00	457	0.03	< 0.005
2017	0.00	457	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Hotel	1,835	2,157	1,577	672,956	24,776	29,131	21,291	9,088,540
Regional Shopping Center	6,080	6,422	4,220	2,140,047	34,758	41,081	26,995	12,611,717
Condo/Townhouse	2,292	2,615	1,391	806,295	21,102	24,076	12,805	7,424,720
Strip Mall	2,698	3,109	1,859	962,388	36,434	41,985	25,110	12,997,436
General Office Building	108	22.1	7.00	29,779	1,464	298	94.5	402,175
Unrefrigerated Warehouse-No Rail	419	742	742	186,465	5,653	10,015	10,015	2,518,285

Single Family Housing	3,899	4,223	2,610	1,372,905	35,907	38,887	24,034	12,642,306
Mobile Home Park	970	1,290	970	370,736	7,758	10,317	7,758	2,964,966
Mobile Home Park	621	826	621	237,271	6,829	9,082	6,829	2,609,979
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Hotel	1,835	2,157	1,577	672,956	24,776	29,131	21,291	9,088,540
Regional Shopping Center	6,080	6,422	4,220	2,140,047	34,758	41,081	26,995	12,611,717
Condo/Townhouse	2,292	2,615	1,391	806,295	21,102	24,076	12,805	7,424,720
Strip Mall	2,698	3,109	1,859	962,388	36,434	41,985	25,110	12,997,436
General Office Building	108	22.1	7.00	29,779	1,464	298	94.5	402,175
Unrefrigerated Warehouse-No Rail	419	742	742	186,465	5,653	10,015	10,015	2,518,285
Single Family Housing	3,899	4,223	2,610	1,372,905	35,907	38,887	24,034	12,642,306
Mobile Home Park	970	1,290	970	370,736	7,758	10,317	7,758	2,964,966
Mobile Home Park	621	826	621	237,271	6,829	9,082	6,829	2,609,979
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Condo/Townhouse	—
Wood Fireplaces	0
Gas Fireplaces	289
Propane Fireplaces	0
Electric Fireplaces	17
No Fireplaces	34
Conventional Wood Stoves	0
Catalytic Wood Stoves	17
Non-Catalytic Wood Stoves	17
Pellet Wood Stoves	0
Single Family Housing	—
Wood Fireplaces	25
Gas Fireplaces	410
Propane Fireplaces	0
Electric Fireplaces	26
No Fireplaces	52
Conventional Wood Stoves	0
Catalytic Wood Stoves	26
Non-Catalytic Wood Stoves	26
Pellet Wood Stoves	0
Mobile Home Park	—

Wood Fireplaces	0
Gas Fireplaces	425
Propane Fireplaces	0
Electric Fireplaces	25
No Fireplaces	50
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	320
No Fireplaces	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	25
Non-Catalytic Wood Stoves	25
Pellet Wood Stoves	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	16
Non-Catalytic Wood Stoves	16
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Condo/Townhouse	—
Wood Fireplaces	0
Gas Fireplaces	289
Propane Fireplaces	0
Electric Fireplaces	17
No Fireplaces	34

Conventional Wood Stoves	0
Catalytic Wood Stoves	17
Non-Catalytic Wood Stoves	17
Pellet Wood Stoves	0
Single Family Housing	—
Wood Fireplaces	25
Gas Fireplaces	410
Propane Fireplaces	0
Electric Fireplaces	26
No Fireplaces	52
Conventional Wood Stoves	0
Catalytic Wood Stoves	26
Non-Catalytic Wood Stoves	26
Pellet Wood Stoves	0
Mobile Home Park	—
Wood Fireplaces	0
Gas Fireplaces	425
Propane Fireplaces	0
Electric Fireplaces	25
No Fireplaces	50
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	320
No Fireplaces	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	25

Non-Catalytic Wood Stoves	25
Pellet Wood Stoves	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	16
Non-Catalytic Wood Stoves	16
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
3367230.75	1,122,410	1,682,501	560,834	141,134

5.10.3. Landscape Equipment

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

5.10.4. Landscape Equipment - Mitigated

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

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

Hotel	2,398,832	457	0.0330	0.0040	7,503,104
Regional Shopping Center	2,956,812	457	0.0330	0.0040	1,342,553
Condo/Townhouse	2,491,908	457	0.0330	0.0040	7,089,230
Strip Mall	1,108,805	457	0.0330	0.0040	503,458
General Office Building	380,325	457	0.0330	0.0040	107,164
Unrefrigerated Warehouse-No Rail	6,706,220	457	0.0330	0.0040	0.00
Single Family Housing	4,875,085	457	0.0330	0.0040	18,564,572
Mobile Home Park	3,419,003	457	0.0330	0.0040	12,878,656
Mobile Home Park	2,188,162	457	0.0330	0.0040	0.00
User Defined Industrial	0.00	457	0.0330	0.0040	0.00
Parking Lot	1,476,736	457	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	457	0.0330	0.0040	0.00

5.11.2. Mitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Hotel	2,357,593	457	0.0330	0.0040	7,503,104
Regional Shopping Center	2,920,644	457	0.0330	0.0040	1,342,553
Condo/Townhouse	2,398,025	457	0.0330	0.0040	7,089,230
Strip Mall	1,095,242	457	0.0330	0.0040	503,458
General Office Building	379,981	457	0.0330	0.0040	107,164
Unrefrigerated Warehouse-No Rail	6,706,220	457	0.0330	0.0040	0.00
Single Family Housing	4,727,548	457	0.0330	0.0040	18,564,572
Mobile Home Park	3,419,003	457	0.0330	0.0040	12,878,656
Mobile Home Park	2,188,162	457	0.0330	0.0040	0.00
User Defined Industrial	0.00	457	0.0330	0.0040	0.00

Parking Lot	1,476,736	457	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	457	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Hotel	3,805,016	4,446,831
Regional Shopping Center	14,814,504	4,446,831
Condo/Townhouse	13,829,084	5,435,016
Strip Mall	5,555,439	52,297,012
General Office Building	1,777,337	52,297,012
Unrefrigerated Warehouse-No Rail	138,287,500	52,297,012
Single Family Housing	21,231,711	183,781,003
Mobile Home Park	20,336,888	8,212,444
Mobile Home Park	13,015,608	8,212,444
User Defined Industrial	0.00	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Hotel	3,805,016	2,014,106
Regional Shopping Center	14,814,504	4,446,831
Condo/Townhouse	13,829,084	3,002,291
Strip Mall	5,555,439	52,297,012
General Office Building	1,777,337	52,297,012

Unrefrigerated Warehouse-No Rail	138,287,500	52,297,012
Single Family Housing	21,231,711	183,781,003
Mobile Home Park	20,336,888	4,536,536
Mobile Home Park	13,015,608	4,536,536
User Defined Industrial	0.00	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Hotel	82.1	—
Regional Shopping Center	210	—
Condo/Townhouse	251	—
Strip Mall	78.8	—
General Office Building	9.30	—
Unrefrigerated Warehouse-No Rail	562	—
Single Family Housing	478	—
Mobile Home Park	370	—
Mobile Home Park	237	—
User Defined Industrial	0.00	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)

Hotel	82.1	—
Regional Shopping Center	210	—
Condo/Townhouse	251	—
Strip Mall	78.8	—
General Office Building	9.30	—
Unrefrigerated Warehouse-No Rail	562	—
Single Family Housing	478	—
Mobile Home Park	370	—
Mobile Home Park	237	—
User Defined Industrial	0.00	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Mobile Home Park	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Mobile Home Park	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Mobile Home Park	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Mobile Home Park	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Mobile Home Park	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0

Mobile Home Park	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Mobile Home Park	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Mobile Home Park	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

5.15.2. Mitigated

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

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

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

5.16.2. Process Boilers

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

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

5.18.2.2. Mitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	21.5	annual days of extreme heat
Extreme Precipitation	0.50	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.23	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A

Air Quality Degradation	N/A	N/A	N/A	N/A

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

6.3. Adjusted Climate Risk Scores

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

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—

AQ-Ozone	77.1
AQ-PM	7.31
AQ-DPM	9.38
Drinking Water	67.0
Lead Risk Housing	31.7
Pesticides	95.0
Toxic Releases	3.14
Traffic	6.09
Effect Indicators	—
CleanUp Sites	22.6
Groundwater	0.00
Haz Waste Facilities/Generators	35.6
Impaired Water Bodies	97.5
Solid Waste	83.3
Sensitive Population	—
Asthma	21.2
Cardio-vascular	47.3
Low Birth Weights	53.8
Socioeconomic Factor Indicators	—
Education	96.2
Housing	77.2
Linguistic	99.1
Poverty	95.5
Unemployment	93.8

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	2.527909663
Employed	8.956756063
Median HI	7.262928269
Education	—
Bachelor's or higher	24.75298345
High school enrollment	22.50737842
Preschool enrollment	7.814705505
Transportation	—
Auto Access	49.51879892
Active commuting	13.6147825
Social	—
2-parent households	34.82612601
Voting	66.44424484
Neighborhood	—
Alcohol availability	91.1587322
Park access	5.389452072
Retail density	5.864237136
Supermarket access	2.399589375
Tree canopy	8.404978827
Housing	—
Homeownership	77.35146927
Housing habitability	8.956756063
Low-inc homeowner severe housing cost burden	12.29308354
Low-inc renter severe housing cost burden	61.6963942
Uncrowded housing	15.89888361

Health Outcomes	—
Insured adults	2.463749519
Arthritis	0.0
Asthma ER Admissions	63.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	81.1
Cognitively Disabled	76.7
Physically Disabled	74.5
Heart Attack ER Admissions	49.3
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	39.9
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0

Children	16.3
Elderly	50.9
English Speaking	2.2
Foreign-born	93.3
Outdoor Workers	0.1
Climate Change Adaptive Capacity	—
Impervious Surface Cover	96.0
Traffic Density	2.2
Traffic Access	23.0
Other Indices	—
Hardship	97.8
Other Decision Support	—
2016 Voting	63.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	66.0
Healthy Places Index Score for Project Location (b)	6.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	EasternCoachellaValley

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	See TRSP AQ/GHG report Table 3-1 CalEEMod Land Use Assumptions. Landscaping acreage from TRSP DEIR Table 2.12-5 Projected Outdoor Irrigation Water Demand. Assumes average RV is 500 SF.
Construction: Construction Phases	Assumes same seven year construction phasing schedule as proposed project
Construction: Paving	Assumes 12 acres of hardscape for workforce housing. 5 acres of off site water tank location will be permanently disturbed, assumes paved.
Operations: Vehicle Data	Total of 18,939 weekday trips, 21,532 Saturday trips, and 13,995 Sunday Trips and per TIA. Assumes no H-O trips for RV residents (mobile home 320 units) who work on-site.
Operations: Hearths	Assumes wood burning fireplaces are limited to single family estates. Workforce housing and condos will not have wood burning hearths. No wood burning stoves proposed.
Operations: Energy Use	No 2019 Title 24 standards in 2017. RV park does not use natural gas. Assumes 600 kWh per RV per month. The equestrian stables (unrefrigerated warehouse) do not use natural gas.

Thermal Ranch Specific Plan - Alternative A Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Thermal Ranch Specific Plan - Alternative A
Construction Start Date	1/1/2026
Operational Year	2032
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	8.80
Location	33.59088711062806, -116.17302750036589
County	Riverside-Salton Sea
City	Unincorporated
Air District	South Coast AQMD
Air Basin	Salton Sea
TAZ	5697
EDFZ	19
Electric Utility	Imperial Irrigation District
Gas Utility	Southern California Gas
App Version	2022.1.1.24

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

Hotel	300	Room	8.10	435,600	236,967	—	—	—
Regional Shopping Center	260	1000sqft	25.6	260,000	236,967	—	—	—
Condo/Townhouse	505	Dwelling Unit	42.1	535,300	236,967	—	1,631	—
Strip Mall	75.0	1000sqft	1.72	75,000	1,728,542	865,891	—	—
General Office Building	10.0	1000sqft	0.23	10,000	1,728,542	865,891	—	—
Unrefrigerated Warehouse-No Rail	598	1000sqft	182	598,000	1,728,542	865,891	—	—
Single Family Housing	993	Dwelling Unit	264	1,936,350	8,012,862	—	3,207	—
Mobile Home Park	500	Dwelling Unit	18.3	158,530	358,063	—	1,615	—
Mobile Home Park	320	Dwelling Unit	22.8	160,000	358,063	—	1,034	—
User Defined Industrial	1.00	User Defined Unit	13.6	20,867	0.00	—	—	—
Parking Lot	4,302	Space	38.7	0.00	0.00	—	—	—
Other Asphalt Surfaces	15.3	Acre	15.3	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-7	Use Oxidation Catalyst
Construction	C-9	Use Dust Suppressants
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Construction	C-12	Sweep Paved Roads
Transportation	T-14*	Provide Electric Vehicle Charging Infrastructure
Transportation	T-34*	Provide Bike Parking
Transportation	T-53*	Electrify Loading Docks

Energy	E-1	Buildings Exceed 2019 Title 24 Building Envelope Energy Efficiency Standards
Energy	E-2	Require Energy Efficient Appliances
Energy	E-7*	Require Higher Efficacy Public Street and Area Lighting
Energy	E-10-B	Establish Onsite Renewable Energy Systems: Solar Power
Water	W-5	Design Water-Efficient Landscapes
Area Sources	AS-1	Use Low-VOC Cleaning Supplies

* 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.	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Unmit.	38.6	56.8	204	0.15	34.3	8.77	118	50,716
Mit.	38.6	48.4	204	0.15	34.3	8.77	118	50,716
% Reduced	—	15%	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Unmit.	37.0	56.8	128	0.16	34.3	8.77	3.07	45,962
Mit.	37.0	48.4	128	0.16	34.3	8.77	3.07	45,962
% Reduced	—	15%	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—
Unmit.	26.5	31.9	103	0.10	24.3	6.20	34.4	33,512
Mit.	26.5	27.1	103	0.10	24.3	6.20	34.4	33,512
% Reduced	—	15%	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—
Unmit.	4.83	5.82	18.8	0.02	4.44	1.13	5.70	5,548

Mit.	4.83	4.95	18.8	0.02	4.44	1.13	5.70	5,548
% Reduced	—	15%	—	—	—	—	—	—
Exceeds (Daily Max)	—	—	—	—	—	—	—	—
Threshold	75.0	100	550	150	150	55.0	—	—
Unmit.	No	No	No	No	No	No	—	—
Mit.	No	No	No	No	No	No	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—
Threshold	75.0	100	550	150	150	55.0	—	—
Unmit.	No	No	No	No	No	No	—	—
Mit.	No	No	No	No	No	No	—	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—
2026	6.36	56.8	59.8	0.11	14.2	7.67	2.20	12,722
2027	10.5	39.0	184	0.14	29.5	7.69	115	46,168
2028	38.6	39.1	204	0.15	34.3	8.77	118	50,716
2029	38.1	37.1	191	0.15	34.3	8.73	107	49,736
2030	36.6	35.2	181	0.15	34.2	8.70	96.1	48,809
2031	36.2	34.2	171	0.15	34.2	8.67	86.1	47,919
2032	35.8	32.6	162	0.15	34.2	8.64	76.9	46,800
Daily - Winter (Max)	—	—	—	—	—	—	—	—
2026	6.33	56.8	58.3	0.11	14.2	7.67	0.09	12,639
2027	9.10	54.0	117	0.16	29.5	7.69	2.98	42,099
2028	37.0	41.1	128	0.16	34.3	8.77	3.07	45,962

2029	35.6	39.0	122	0.15	34.3	8.73	2.77	45,087
2030	35.4	37.1	115	0.15	34.2	8.70	2.50	44,256
2031	35.0	35.2	109	0.15	34.2	8.67	2.23	43,455
2032	34.6	34.4	105	0.15	34.2	8.64	2.00	42,688
Average Daily	—	—	—	—	—	—	—	—
2026	3.54	31.9	32.7	0.06	8.10	4.40	0.60	6,911
2027	4.86	26.7	63.7	0.08	13.4	4.22	18.1	18,905
2028	16.7	27.6	102	0.10	22.7	5.84	34.4	32,503
2029	26.5	26.8	103	0.10	24.3	6.20	33.0	33,512
2030	25.5	26.1	97.6	0.10	24.3	6.18	29.6	32,894
2031	25.2	24.9	92.3	0.10	24.3	6.16	26.6	32,296
2032	23.0	21.8	81.3	0.10	22.3	5.65	21.8	29,205
Annual	—	—	—	—	—	—	—	—
2026	0.65	5.82	5.96	0.01	1.48	0.80	0.10	1,144
2027	0.89	4.88	11.6	0.02	2.44	0.77	2.99	3,130
2028	3.04	5.04	18.6	0.02	4.14	1.07	5.70	5,381
2029	4.83	4.89	18.8	0.02	4.44	1.13	5.46	5,548
2030	4.65	4.77	17.8	0.02	4.44	1.13	4.90	5,446
2031	4.60	4.54	16.8	0.02	4.43	1.12	4.40	5,347
2032	4.19	3.97	14.8	0.02	4.08	1.03	3.61	4,835

2.3. Construction Emissions by Year, Mitigated

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

Year	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—
2026	6.36	48.4	59.8	0.11	14.2	7.67	2.20	12,722

2027	10.5	36.6	184	0.14	29.5	7.69	115	46,168
2028	38.6	36.6	204	0.15	34.3	8.77	118	50,716
2029	38.1	34.7	191	0.15	34.3	8.73	107	49,736
2030	36.6	32.9	181	0.15	34.2	8.70	96.1	48,809
2031	36.2	31.9	171	0.15	34.2	8.67	86.1	47,919
2032	35.8	30.4	162	0.15	34.2	8.64	76.9	46,800
Daily - Winter (Max)	—	—	—	—	—	—	—	—
2026	6.33	48.4	58.3	0.11	14.2	7.67	0.09	12,639
2027	9.10	46.0	117	0.16	29.5	7.69	2.98	42,099
2028	37.0	38.7	128	0.16	34.3	8.77	3.07	45,962
2029	35.6	36.6	122	0.15	34.3	8.73	2.77	45,087
2030	35.4	34.8	115	0.15	34.2	8.70	2.50	44,256
2031	35.0	33.0	109	0.15	34.2	8.67	2.23	43,455
2032	34.6	32.2	105	0.15	34.2	8.64	2.00	42,688
Average Daily	—	—	—	—	—	—	—	—
2026	3.54	27.1	32.7	0.06	8.10	4.40	0.60	6,911
2027	4.86	24.0	63.7	0.08	13.4	4.22	18.1	18,905
2028	16.7	25.9	102	0.10	22.7	5.84	34.4	32,503
2029	26.5	25.1	103	0.10	24.3	6.20	33.0	33,512
2030	25.5	24.5	97.6	0.10	24.3	6.18	29.6	32,894
2031	25.2	23.3	92.3	0.10	24.3	6.16	26.6	32,296
2032	23.0	20.3	81.3	0.10	22.3	5.65	21.8	29,205
Annual	—	—	—	—	—	—	—	—
2026	0.65	4.95	5.96	0.01	1.48	0.80	0.10	1,144
2027	0.89	4.38	11.6	0.02	2.44	0.77	2.99	3,130
2028	3.04	4.73	18.6	0.02	4.14	1.07	5.70	5,381
2029	4.83	4.58	18.8	0.02	4.44	1.13	5.46	5,548

2030	4.65	4.47	17.8	0.02	4.44	1.13	4.90	5,446
2031	4.60	4.25	16.8	0.02	4.43	1.12	4.40	5,347
2032	4.19	3.71	14.8	0.02	4.08	1.03	3.61	4,835

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Unmit.	210	116	1,072	2.49	212	56.8	1,076	313,545
Mit.	203	114	1,071	2.48	212	56.6	1,076	306,061
% Reduced	3%	1%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	2%
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Unmit.	174	121	613	2.23	212	56.6	712	287,053
Mit.	167	119	612	2.22	212	56.5	712	279,570
% Reduced	4%	1%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	3%
Average Daily (Max)	—	—	—	—	—	—	—	—
Unmit.	177	94.3	682	1.94	178	47.3	839	248,562
Mit.	170	92.7	682	1.93	178	47.2	839	241,079
% Reduced	4%	2%	< 0.5%	1%	< 0.5%	< 0.5%	—	3%
Annual (Max)	—	—	—	—	—	—	—	—
Unmit.	32.3	17.2	125	0.35	32.6	8.64	139	41,152
Mit.	31.1	16.9	124	0.35	32.6	8.61	139	39,913
% Reduced	4%	2%	< 0.5%	1%	< 0.5%	< 0.5%	—	3%
Exceeds (Daily Max)	—	—	—	—	—	—	—	—
Threshold	55.0	55.0	550	150	150	55.0	—	—
Unmit.	Yes	Yes	Yes	No	Yes	Yes	—	—
Mit.	Yes	Yes	Yes	No	Yes	Yes	—	—

Exceeds (Average Daily)	—	—	—	—	—	—	—	—
Threshold	55.0	55.0	550	150	150	55.0	—	—
Unmit.	Yes	Yes	Yes	No	Yes	No	—	—
Mit.	Yes	Yes	Yes	No	Yes	No	—	—

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Mobile	88.5	82.3	864	2.28	210	54.1	373	236,346
Area	120	14.2	198	0.09	1.17	1.13	—	17,443
Energy	1.12	19.5	10.2	0.12	1.55	1.55	—	49,574
Water	—	—	—	—	—	—	—	3,867
Waste	—	—	—	—	—	—	—	5,612
Refrig.	—	—	—	—	—	—	703	703
Total	210	116	1,072	2.49	212	56.8	1,076	313,545
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Mobile	73.6	89.1	597	2.02	210	54.1	9.67	210,458
Area	99.1	12.4	5.29	0.08	1.00	1.00	—	16,839
Energy	1.12	19.5	10.2	0.12	1.55	1.55	—	49,574
Water	—	—	—	—	—	—	—	3,867
Waste	—	—	—	—	—	—	—	5,612
Refrig.	—	—	—	—	—	—	703	703
Total	174	121	613	2.23	212	56.6	712	287,053
Average Daily	—	—	—	—	—	—	—	—
Mobile	67.1	73.1	577	1.80	177	45.6	137	187,355

Area	109	1.71	95.5	0.01	0.15	0.13	—	1,451
Energy	1.12	19.5	10.2	0.12	1.55	1.55	—	49,574
Water	—	—	—	—	—	—	—	3,867
Waste	—	—	—	—	—	—	—	5,612
Refrig.	—	—	—	—	—	—	703	703
Total	177	94.3	682	1.94	178	47.3	839	248,562
Annual	—	—	—	—	—	—	—	—
Mobile	12.2	13.3	105	0.33	32.3	8.33	22.6	31,019
Area	19.9	0.31	17.4	< 0.005	0.03	0.02	—	240
Energy	0.21	3.56	1.87	0.02	0.28	0.28	—	8,208
Water	—	—	—	—	—	—	—	640
Waste	—	—	—	—	—	—	—	929
Refrig.	—	—	—	—	—	—	116	116
Total	32.3	17.2	125	0.35	32.6	8.64	139	41,152

2.6. Operations Emissions by Sector, Mitigated

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

Sector	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Mobile	88.5	82.3	864	2.28	210	54.1	373	236,346
Area	114	14.2	198	0.09	1.17	1.13	—	17,443
Energy	1.03	17.9	9.44	0.11	1.43	1.43	—	42,118
Water	—	—	—	—	—	—	—	3,840
Waste	—	—	—	—	—	—	—	5,612
Refrig.	—	—	—	—	—	—	703	703
Total	203	114	1,071	2.48	212	56.6	1,076	306,061
Daily, Winter (Max)	—	—	—	—	—	—	—	—

Mobile	73.6	89.1	597	2.02	210	54.1	9.67	210,458
Area	92.4	12.4	5.29	0.08	1.00	1.00	—	16,839
Energy	1.03	17.9	9.44	0.11	1.43	1.43	—	42,118
Water	—	—	—	—	—	—	—	3,840
Waste	—	—	—	—	—	—	—	5,612
Refrig.	—	—	—	—	—	—	703	703
Total	167	119	612	2.22	212	56.5	712	279,570
Average Daily	—	—	—	—	—	—	—	—
Mobile	67.1	73.1	577	1.80	177	45.6	137	187,355
Area	102	1.71	95.5	0.01	0.15	0.13	—	1,451
Energy	1.03	17.9	9.44	0.11	1.43	1.43	—	42,118
Water	—	—	—	—	—	—	—	3,840
Waste	—	—	—	—	—	—	—	5,612
Refrig.	—	—	—	—	—	—	703	703
Total	170	92.7	682	1.93	178	47.2	839	241,079
Annual	—	—	—	—	—	—	—	—
Mobile	12.2	13.3	105	0.33	32.3	8.33	22.6	31,019
Area	18.7	0.31	17.4	< 0.005	0.03	0.02	—	240
Energy	0.19	3.27	1.72	0.02	0.26	0.26	—	6,973
Water	—	—	—	—	—	—	—	636
Waste	—	—	—	—	—	—	—	929
Refrig.	—	—	—	—	—	—	116	116
Total	31.1	16.9	124	0.35	32.6	8.61	139	39,913

3. Construction Emissions Details

3.1. Demolition (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.29	20.7	19.0	0.03	0.84	0.78	—	3,438
Demolition	—	—	—	—	1.18	0.18	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	1.70	1.56	< 0.005	0.07	0.06	—	283
Demolition	—	—	—	—	0.10	0.01	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.31	0.29	< 0.005	0.01	0.01	—	46.8
Demolition	—	—	—	—	0.02	< 0.005	—	—
Onsite truck	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	0.08	0.75	0.00	0.20	0.05	0.02	188
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	1.68	0.37	0.01	0.41	0.13	0.08	1,474
Average Daily	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.08	0.00	0.02	< 0.005	0.02	16.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.14	0.03	< 0.005	0.03	0.01	0.10	121
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	< 0.005	< 0.005	< 0.005	2.73

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	0.01	< 0.005	0.01	< 0.005	0.02	20.1

3.2. Demolition (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.29	17.6	19.0	0.03	0.84	0.78	—	3,438
Demolition	—	—	—	—	1.18	0.18	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	1.44	1.56	< 0.005	0.07	0.06	—	283
Demolition	—	—	—	—	0.10	0.01	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.26	0.29	< 0.005	0.01	0.01	—	46.8
Demolition	—	—	—	—	0.02	< 0.005	—	—
Onsite truck	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	0.08	0.75	0.00	0.20	0.05	0.02	188
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	1.68	0.37	0.01	0.41	0.13	0.08	1,474
Average Daily	—	—	—	—	—	—	—	—

Worker	< 0.005	0.01	0.08	0.00	0.02	< 0.005	0.02	16.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.14	0.03	< 0.005	0.03	0.01	0.10	121
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	< 0.005	< 0.005	< 0.005	2.73
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	0.01	< 0.005	0.01	< 0.005	0.02	20.1

3.3. Site Preparation (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.14	29.2	28.8	0.05	1.24	1.14	—	5,316
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.14	29.2	28.8	0.05	1.24	1.14	—	5,316
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.99	18.4	18.2	0.03	0.79	0.72	—	3,360
Dust From Material Movement	—	—	—	—	4.85	2.49	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—

Off-Road Equipment	0.36	3.36	3.32	0.01	0.14	0.13	—	556
Dust From Material Movement	—	—	—	—	0.88	0.45	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.08	0.08	1.55	0.00	0.23	0.05	0.81	258
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.07	0.09	0.88	0.00	0.23	0.05	0.02	219
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.69	0.00	0.14	0.03	0.22	148
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.13	0.00	0.03	0.01	0.04	24.5
Vendor	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

3.4. Site Preparation (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Off-Road Equipment	3.14	24.8	28.8	0.05	1.24	1.14	—	5,316
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.14	24.8	28.8	0.05	1.24	1.14	—	5,316
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.99	15.7	18.2	0.03	0.79	0.72	—	3,360
Dust From Material Movement	—	—	—	—	4.85	2.49	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	2.86	3.32	0.01	0.14	0.13	—	556
Dust From Material Movement	—	—	—	—	0.88	0.45	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.08	0.08	1.55	0.00	0.23	0.05	0.81	258
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.07	0.09	0.88	0.00	0.23	0.05	0.02	219
Vendor	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
Average Daily	—	—	—	—	—	—	—	—

Worker	0.04	0.05	0.69	0.00	0.14	0.03	0.22	148
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.13	0.00	0.03	0.01	0.04	24.5
Vendor	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

3.5. Site Preparation (2027) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.05	28.0	28.3	0.05	1.17	1.08	—	5,316
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	3.28	3.32	0.01	0.14	0.13	—	624
Dust From Material Movement	—	—	—	—	0.90	0.46	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.60	0.61	< 0.005	0.03	0.02	—	103
Dust From Material Movement	—	—	—	—	0.16	0.08	—	—
Onsite truck	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	0.08	0.82	0.00	0.23	0.05	0.02	215
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.12	0.00	0.03	0.01	0.04	27.0
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	< 0.005	< 0.005	0.01	4.47
Vendor	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

3.6. Site Preparation (2027) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.05	23.8	28.3	0.05	1.17	1.08	—	5,316
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	2.79	3.32	0.01	0.14	0.13	—	624

Dust From Material Movement	—	—	—	—	0.90	0.46	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.51	0.61	< 0.005	0.03	0.02	—	103
Dust From Material Movement	—	—	—	—	0.16	0.08	—	—
Onsite truck	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	0.08	0.82	0.00	0.23	0.05	0.02	215
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.12	0.00	0.03	0.01	0.04	27.0
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	< 0.005	< 0.005	0.01	4.47
Vendor	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

3.7. Grading (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Off-Road Equipment	3.04	27.2	27.6	0.06	1.12	1.03	—	6,621
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.04	27.2	27.6	0.06	1.12	1.03	—	6,621
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.27	11.4	11.5	0.03	0.47	0.43	—	2,773
Dust From Material Movement	—	—	—	—	1.50	0.60	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	2.08	2.11	< 0.005	0.09	0.08	—	459
Dust From Material Movement	—	—	—	—	0.27	0.11	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.09	0.10	1.77	0.00	0.26	0.06	0.93	295
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.25	0.06	< 0.005	0.06	0.02	0.46	232
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.07	0.10	1.00	0.00	0.26	0.06	0.02	251
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.26	0.06	< 0.005	0.06	0.02	0.01	232
Average Daily	—	—	—	—	—	—	—	—

Worker	0.03	0.04	0.53	0.00	0.11	0.03	0.17	112
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.11	0.02	< 0.005	0.03	0.01	0.08	97.0
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.02	< 0.005	0.03	18.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	0.01	16.1

3.8. Grading (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.04	23.1	27.6	0.06	1.12	1.03	—	6,621
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.04	23.1	27.6	0.06	1.12	1.03	—	6,621
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.27	9.69	11.5	0.03	0.47	0.43	—	2,773
Dust From Material Movement	—	—	—	—	1.50	0.60	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—

Off-Road Equipment	0.23	1.77	2.11	< 0.005	0.09	0.08	—	459
Dust From Material Movement	—	—	—	—	0.27	0.11	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.09	0.10	1.77	0.00	0.26	0.06	0.93	295
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.25	0.06	< 0.005	0.06	0.02	0.46	232
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.07	0.10	1.00	0.00	0.26	0.06	0.02	251
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.26	0.06	< 0.005	0.06	0.02	0.01	232
Average Daily	—	—	—	—	—	—	—	—
Worker	0.03	0.04	0.53	0.00	0.11	0.03	0.17	112
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.11	0.02	< 0.005	0.03	0.01	0.08	97.0
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.02	< 0.005	0.03	18.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	0.01	16.1

3.9. Grading (2027) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Off-Road Equipment	2.95	25.6	27.3	0.06	1.04	0.96	—	6,621
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.95	25.6	27.3	0.06	1.04	0.96	—	6,621
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.04	9.06	9.66	0.02	0.37	0.34	—	2,345
Dust From Material Movement	—	—	—	—	1.27	0.50	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	1.65	1.76	< 0.005	0.07	0.06	—	388
Dust From Material Movement	—	—	—	—	0.23	0.09	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.09	0.09	1.65	0.00	0.26	0.06	0.84	289
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.24	0.06	< 0.005	0.06	0.02	0.43	226
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.07	0.09	0.94	0.00	0.26	0.06	0.02	246
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.26	0.06	< 0.005	0.06	0.02	0.01	226
Average Daily	—	—	—	—	—	—	—	—

Worker	0.03	0.03	0.42	0.00	0.09	0.02	0.13	93.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.09	0.02	< 0.005	0.02	0.01	0.07	80.0
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.08	0.00	0.02	< 0.005	0.02	15.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	0.01	13.3

3.10. Grading (2027) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.95	21.7	27.3	0.06	1.04	0.96	—	6,621
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.95	21.7	27.3	0.06	1.04	0.96	—	6,621
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.04	7.70	9.66	0.02	0.37	0.34	—	2,345
Dust From Material Movement	—	—	—	—	1.27	0.50	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—

Off-Road Equipment	0.19	1.41	1.76	< 0.005	0.07	0.06	—	388
Dust From Material Movement	—	—	—	—	0.23	0.09	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.09	0.09	1.65	0.00	0.26	0.06	0.84	289
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.24	0.06	< 0.005	0.06	0.02	0.43	226
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.07	0.09	0.94	0.00	0.26	0.06	0.02	246
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.26	0.06	< 0.005	0.06	0.02	0.01	226
Average Daily	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.42	0.00	0.09	0.02	0.13	93.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.09	0.02	< 0.005	0.02	0.01	0.07	80.0
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.08	0.00	0.02	< 0.005	0.02	15.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	0.01	13.3

3.11. Building Construction (2027) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Off-Road Equipment	1.03	9.39	12.9	0.02	0.34	0.31	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.03	9.39	12.9	0.02	0.34	0.31	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.37	3.38	4.66	0.01	0.12	0.11	—	866
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.62	0.85	< 0.005	0.02	0.02	—	143
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	8.02	8.08	154	0.00	24.4	5.71	78.3	26,921
Vendor	0.55	14.6	6.36	0.11	4.30	1.34	35.9	15,109
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	6.66	8.84	87.2	0.00	24.4	5.71	2.03	22,905
Vendor	0.50	15.6	6.49	0.12	4.30	1.34	0.93	15,089
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	2.53	2.88	39.3	0.00	8.73	2.04	12.2	8,818
Vendor	0.19	5.48	2.28	0.04	1.54	0.48	5.58	5,435
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.46	0.53	7.18	0.00	1.59	0.37	2.02	1,460
Vendor	0.03	1.00	0.42	0.01	0.28	0.09	0.92	900

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Construction (2027) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.03	7.98	12.9	0.02	0.34	0.31	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.03	7.98	12.9	0.02	0.34	0.31	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.37	2.87	4.66	0.01	0.12	0.11	—	866
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.52	0.85	< 0.005	0.02	0.02	—	143
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	8.02	8.08	154	0.00	24.4	5.71	78.3	26,921
Vendor	0.55	14.6	6.36	0.11	4.30	1.34	35.9	15,109
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	6.66	8.84	87.2	0.00	24.4	5.71	2.03	22,905
Vendor	0.50	15.6	6.49	0.12	4.30	1.34	0.93	15,089
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—
Worker	2.53	2.88	39.3	0.00	8.73	2.04	12.2	8,818
Vendor	0.19	5.48	2.28	0.04	1.54	0.48	5.58	5,435
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.46	0.53	7.18	0.00	1.59	0.37	2.02	1,460
Vendor	0.03	1.00	0.42	0.01	0.28	0.09	0.92	900
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Building Construction (2028) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.99	8.92	12.9	0.02	0.30	0.28	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.99	8.92	12.9	0.02	0.30	0.28	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.71	6.39	9.26	0.02	0.22	0.20	—	1,723
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.17	1.69	< 0.005	0.04	0.04	—	285
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Worker	7.69	7.24	144	0.00	24.4	5.71	70.5	26,409
Vendor	0.44	13.9	6.01	0.11	4.30	1.34	33.1	14,757
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	6.41	8.04	80.8	0.00	24.4	5.71	1.83	22,485
Vendor	0.39	15.0	6.23	0.12	4.30	1.34	0.86	14,743
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	4.83	5.15	72.7	0.00	17.4	4.07	21.8	17,214
Vendor	0.30	10.5	4.36	0.08	3.06	0.96	10.3	10,563
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.88	0.94	13.3	0.00	3.17	0.74	3.61	2,850
Vendor	0.05	1.91	0.80	0.01	0.56	0.17	1.70	1,749
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Building Construction (2028) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.99	7.59	12.9	0.02	0.30	0.28	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.99	7.59	12.9	0.02	0.30	0.28	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—

Off-Road Equipment	0.71	5.43	9.26	0.02	0.22	0.20	—	1,723
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.99	1.69	< 0.005	0.04	0.04	—	285
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	7.69	7.24	144	0.00	24.4	5.71	70.5	26,409
Vendor	0.44	13.9	6.01	0.11	4.30	1.34	33.1	14,757
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	6.41	8.04	80.8	0.00	24.4	5.71	1.83	22,485
Vendor	0.39	15.0	6.23	0.12	4.30	1.34	0.86	14,743
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	4.83	5.15	72.7	0.00	17.4	4.07	21.8	17,214
Vendor	0.30	10.5	4.36	0.08	3.06	0.96	10.3	10,563
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.88	0.94	13.3	0.00	3.17	0.74	3.61	2,850
Vendor	0.05	1.91	0.80	0.01	0.56	0.17	1.70	1,749
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Building Construction (2029) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.97	8.58	12.9	0.02	0.28	0.25	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.97	8.58	12.9	0.02	0.28	0.25	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	6.13	9.22	0.02	0.20	0.18	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.12	1.68	< 0.005	0.04	0.03	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	7.28	6.43	134	0.00	24.4	5.71	63.2	25,933
Vendor	0.43	13.4	5.75	0.11	4.30	1.34	30.5	14,353
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	5.32	7.19	76.1	0.00	24.4	5.71	1.64	22,094
Vendor	0.39	14.4	5.98	0.11	4.30	1.34	0.79	14,341
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	4.61	4.54	67.6	0.00	17.3	4.06	19.5	16,863
Vendor	0.29	10.0	4.18	0.08	3.06	0.96	9.40	10,244
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.84	0.83	12.3	0.00	3.16	0.74	3.23	2,792

Vendor	0.05	1.83	0.76	0.01	0.56	0.17	1.56	1,696
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Building Construction (2029) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.97	7.29	12.9	0.02	0.28	0.25	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.97	7.29	12.9	0.02	0.28	0.25	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	5.21	9.22	0.02	0.20	0.18	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.95	1.68	< 0.005	0.04	0.03	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	7.28	6.43	134	0.00	24.4	5.71	63.2	25,933
Vendor	0.43	13.4	5.75	0.11	4.30	1.34	30.5	14,353
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	5.32	7.19	76.1	0.00	24.4	5.71	1.64	22,094
Vendor	0.39	14.4	5.98	0.11	4.30	1.34	0.79	14,341

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	4.61	4.54	67.6	0.00	17.3	4.06	19.5	16,863
Vendor	0.29	10.0	4.18	0.08	3.06	0.96	9.40	10,244
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.84	0.83	12.3	0.00	3.16	0.74	3.23	2,792
Vendor	0.05	1.83	0.76	0.01	0.56	0.17	1.56	1,696
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Building Construction (2030) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	8.39	12.9	0.02	0.26	0.24	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	8.39	12.9	0.02	0.26	0.24	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	5.99	9.20	0.02	0.19	0.17	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	1.09	1.68	< 0.005	0.03	0.03	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	6.15	5.63	125	0.00	24.4	5.71	56.4	25,489
Vendor	0.43	13.0	5.62	0.11	4.30	1.34	27.9	13,962
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	5.16	6.39	70.8	0.00	24.4	5.71	1.47	21,731
Vendor	0.38	13.9	5.73	0.11	4.30	1.34	0.72	13,950
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	3.83	4.51	63.3	0.00	17.3	4.06	17.4	16,581
Vendor	0.29	9.66	4.00	0.08	3.06	0.96	8.60	9,966
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.70	0.82	11.6	0.00	3.16	0.74	2.88	2,745
Vendor	0.05	1.76	0.73	0.01	0.56	0.17	1.42	1,650
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.18. Building Construction (2030) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	7.13	12.9	0.02	0.26	0.24	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	7.13	12.9	0.02	0.26	0.24	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	5.10	9.20	0.02	0.19	0.17	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.93	1.68	< 0.005	0.03	0.03	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	6.15	5.63	125	0.00	24.4	5.71	56.4	25,489
Vendor	0.43	13.0	5.62	0.11	4.30	1.34	27.9	13,962
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	5.16	6.39	70.8	0.00	24.4	5.71	1.47	21,731
Vendor	0.38	13.9	5.73	0.11	4.30	1.34	0.72	13,950
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	3.83	4.51	63.3	0.00	17.3	4.06	17.4	16,581
Vendor	0.29	9.66	4.00	0.08	3.06	0.96	8.60	9,966
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.70	0.82	11.6	0.00	3.16	0.74	2.88	2,745
Vendor	0.05	1.76	0.73	0.01	0.56	0.17	1.42	1,650
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.19. Building Construction (2031) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e

Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	8.12	12.8	0.02	0.24	0.22	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	8.12	12.8	0.02	0.24	0.22	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.66	5.80	9.18	0.02	0.17	0.16	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	1.06	1.67	< 0.005	0.03	0.03	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	5.82	5.55	117	0.00	24.4	5.71	50.4	25,083
Vendor	0.43	12.5	5.38	0.11	4.30	1.34	25.3	13,563
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	4.87	5.59	66.1	0.00	24.4	5.71	1.31	21,395
Vendor	0.38	13.4	5.60	0.11	4.30	1.34	0.66	13,554
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	3.63	3.93	59.0	0.00	17.3	4.06	15.5	16,322
Vendor	0.29	9.39	3.91	0.08	3.06	0.96	7.83	9,682
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—

Worker	0.66	0.72	10.8	0.00	3.16	0.74	2.57	2,702
Vendor	0.05	1.71	0.71	0.01	0.56	0.17	1.30	1,603
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.20. Building Construction (2031) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	6.90	12.8	0.02	0.24	0.22	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	6.90	12.8	0.02	0.24	0.22	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.66	4.93	9.18	0.02	0.17	0.16	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.90	1.67	< 0.005	0.03	0.03	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	5.82	5.55	117	0.00	24.4	5.71	50.4	25,083
Vendor	0.43	12.5	5.38	0.11	4.30	1.34	25.3	13,563
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	4.87	5.59	66.1	0.00	24.4	5.71	1.31	21,395

Vendor	0.38	13.4	5.60	0.11	4.30	1.34	0.66	13,554
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	3.63	3.93	59.0	0.00	17.3	4.06	15.5	16,322
Vendor	0.29	9.39	3.91	0.08	3.06	0.96	7.83	9,682
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.66	0.72	10.8	0.00	3.16	0.74	2.57	2,702
Vendor	0.05	1.71	0.71	0.01	0.56	0.17	1.30	1,603
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.21. Building Construction (2032) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	7.87	12.8	0.02	0.22	0.21	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	7.87	12.8	0.02	0.22	0.21	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	5.18	8.41	0.02	0.15	0.14	—	1,581
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.94	1.53	< 0.005	0.03	0.02	—	262
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	5.53	4.75	111	0.00	24.4	5.71	44.7	24,502
Vendor	0.42	12.2	5.25	0.11	4.30	1.34	22.9	13,145
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	4.62	5.51	62.4	0.00	24.4	5.71	1.16	21,105
Vendor	0.37	13.1	5.47	0.11	4.30	1.34	0.59	13,138
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	3.18	3.10	51.5	0.00	15.9	3.73	12.7	14,817
Vendor	0.26	8.40	3.51	0.07	2.81	0.88	6.49	8,639
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.58	0.56	9.39	0.00	2.91	0.68	2.10	2,453
Vendor	0.05	1.53	0.64	0.01	0.51	0.16	1.07	1,430
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.22. Building Construction (2032) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	6.69	12.8	0.02	0.22	0.21	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	6.69	12.8	0.02	0.22	0.21	—	2,405

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	4.40	8.41	0.02	0.15	0.14	—	1,581
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.80	1.53	< 0.005	0.03	0.02	—	262
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	5.53	4.75	111	0.00	24.4	5.71	44.7	24,502
Vendor	0.42	12.2	5.25	0.11	4.30	1.34	22.9	13,145
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	4.62	5.51	62.4	0.00	24.4	5.71	1.16	21,105
Vendor	0.37	13.1	5.47	0.11	4.30	1.34	0.59	13,138
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	3.18	3.10	51.5	0.00	15.9	3.73	12.7	14,817
Vendor	0.26	8.40	3.51	0.07	2.81	0.88	6.49	8,639
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.58	0.56	9.39	0.00	2.91	0.68	2.10	2,453
Vendor	0.05	1.53	0.64	0.01	0.51	0.16	1.07	1,430
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.23. Paving (2027) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	6.94	9.95	0.01	0.30	0.27	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	6.94	9.95	0.01	0.30	0.27	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	2.50	3.58	0.01	0.11	0.10	—	546
Paving	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.46	0.65	< 0.005	0.02	0.02	—	90.4
Paving	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.06	0.06	1.24	0.00	0.20	0.05	0.63	217
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.05	0.07	0.70	0.00	0.20	0.05	0.02	184
Vendor	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

Average Daily	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.32	0.00	0.07	0.02	0.10	70.9
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.06	0.00	0.01	< 0.005	0.02	11.7
Vendor	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

3.24. Paving (2027) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	5.90	9.95	0.01	0.30	0.27	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	5.90	9.95	0.01	0.30	0.27	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	2.13	3.58	0.01	0.11	0.10	—	546
Paving	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.39	0.65	< 0.005	0.02	0.02	—	90.4

Paving	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.06	0.06	1.24	0.00	0.20	0.05	0.63	217
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.05	0.07	0.70	0.00	0.20	0.05	0.02	184
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.32	0.00	0.07	0.02	0.10	70.9
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.06	0.00	0.01	< 0.005	0.02	11.7
Vendor	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

3.25. Paving (2028) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	6.63	9.91	0.01	0.26	0.24	—	1,516
Paving	0.12	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	6.63	9.91	0.01	0.26	0.24	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	4.75	7.10	0.01	0.18	0.17	—	1,086
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.87	1.30	< 0.005	0.03	0.03	—	180
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.06	0.06	1.16	0.00	0.20	0.05	0.57	212
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.65	0.00	0.20	0.05	0.01	181
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.59	0.00	0.14	0.03	0.18	138
Vendor	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
Annual	—	—	—	—	—	—	—	—

Worker	0.01	0.01	0.11	0.00	0.03	0.01	0.03	22.9
Vendor	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

3.26. Paving (2028) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	5.63	9.91	0.01	0.26	0.24	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	5.63	9.91	0.01	0.26	0.24	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	4.03	7.10	0.01	0.18	0.17	—	1,086
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.74	1.30	< 0.005	0.03	0.03	—	180
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.06	0.06	1.16	0.00	0.20	0.05	0.57	212

Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.65	0.00	0.20	0.05	0.01	181
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.59	0.00	0.14	0.03	0.18	138
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.11	0.00	0.03	0.01	0.03	22.9
Vendor	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

3.27. Paving (2029) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	6.46	9.92	0.01	0.24	0.22	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	6.46	9.92	0.01	0.24	0.22	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.48	4.61	7.08	0.01	0.17	0.16	—	1,083
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.84	1.29	< 0.005	0.03	0.03	—	179
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.06	0.05	1.08	0.00	0.20	0.05	0.51	209
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.06	0.61	0.00	0.20	0.05	0.01	178
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.54	0.00	0.14	0.03	0.16	136
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.03	0.01	0.03	22.5
Vendor	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

3.28. Paving (2029) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	5.49	9.92	0.01	0.24	0.22	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	5.49	9.92	0.01	0.24	0.22	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.48	3.92	7.08	0.01	0.17	0.16	—	1,083
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.72	1.29	< 0.005	0.03	0.03	—	179
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.06	0.05	1.08	0.00	0.20	0.05	0.51	209
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.06	0.61	0.00	0.20	0.05	0.01	178
Vendor	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

Average Daily	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.54	0.00	0.14	0.03	0.16	136
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.03	0.01	0.03	22.5
Vendor	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

3.29. Paving (2030) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	6.28	9.90	0.01	0.22	0.20	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	6.28	9.90	0.01	0.22	0.20	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	4.49	7.07	0.01	0.16	0.14	—	1,083
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.82	1.29	< 0.005	0.03	0.03	—	179

Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.05	0.05	1.01	0.00	0.20	0.05	0.45	205
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.57	0.00	0.20	0.05	0.01	175
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.03	0.04	0.51	0.00	0.14	0.03	0.14	133
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.03	0.01	0.02	22.1
Vendor	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

3.30. Paving (2030) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	5.34	9.90	0.01	0.22	0.20	—	1,516
Paving	0.12	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	5.34	9.90	0.01	0.22	0.20	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	3.81	7.07	0.01	0.16	0.14	—	1,083
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.70	1.29	< 0.005	0.03	0.03	—	179
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.05	0.05	1.01	0.00	0.20	0.05	0.45	205
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.57	0.00	0.20	0.05	0.01	175
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.03	0.04	0.51	0.00	0.14	0.03	0.14	133
Vendor	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
Annual	—	—	—	—	—	—	—	—

Worker	0.01	0.01	0.09	0.00	0.03	0.01	0.02	22.1
Vendor	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

3.31. Paving (2031) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	6.13	9.88	0.01	0.21	0.19	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	6.13	9.88	0.01	0.21	0.19	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	4.38	7.06	0.01	0.15	0.14	—	1,083
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.80	1.29	< 0.005	0.03	0.03	—	179
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.94	0.00	0.20	0.05	0.41	202

Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.53	0.00	0.20	0.05	0.01	172
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.47	0.00	0.14	0.03	0.12	131
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.03	0.01	0.02	21.7
Vendor	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

3.32. Paving (2031) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	5.21	9.88	0.01	0.21	0.19	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	5.21	9.88	0.01	0.21	0.19	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	3.72	7.06	0.01	0.15	0.14	—	1,083
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.68	1.29	< 0.005	0.03	0.03	—	179
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.94	0.00	0.20	0.05	0.41	202
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.53	0.00	0.20	0.05	0.01	172
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.47	0.00	0.14	0.03	0.12	131
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.03	0.01	0.02	21.7
Vendor	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

3.33. Paving (2032) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	6.00	9.86	0.01	0.20	0.18	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	6.00	9.86	0.01	0.20	0.18	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	3.94	6.48	0.01	0.13	0.12	—	997
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.72	1.18	< 0.005	0.02	0.02	—	165
Paving	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.89	0.00	0.20	0.05	0.36	197
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.50	0.00	0.20	0.05	0.01	170
Vendor	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

Average Daily	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.41	0.00	0.13	0.03	0.10	119
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.08	0.00	0.02	0.01	0.02	19.7
Vendor	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

3.34. Paving (2032) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	5.10	9.86	0.01	0.20	0.18	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	5.10	9.86	0.01	0.20	0.18	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	3.35	6.48	0.01	0.13	0.12	—	997
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.61	1.18	< 0.005	0.02	0.02	—	165

Paving	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.89	0.00	0.20	0.05	0.36	197
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.50	0.00	0.20	0.05	0.01	170
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.41	0.00	0.13	0.03	0.10	119
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.08	0.00	0.02	0.01	0.02	19.7
Vendor	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

3.35. Architectural Coating (2028) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.81	1.12	< 0.005	0.02	0.01	—	134

Architectural Coatings	27.0	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.81	1.12	< 0.005	0.02	0.01	—	134
Architectural Coatings	27.0	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.29	0.40	< 0.005	0.01	0.01	—	48.2
Architectural Coatings	9.71	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.05	0.07	< 0.005	< 0.005	< 0.005	—	7.99
Architectural Coatings	1.77	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	1.54	1.45	28.7	0.00	4.87	1.14	14.1	5,282
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	1.28	1.61	16.2	0.00	4.87	1.14	0.37	4,497
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.49	0.52	7.31	0.00	1.75	0.41	2.19	1,731

Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.09	0.09	1.33	0.00	0.32	0.07	0.36	287
Vendor	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

3.36. Architectural Coating (2028) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.69	1.12	< 0.005	0.02	0.01	—	134
Architectural Coatings	27.0	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.69	1.12	< 0.005	0.02	0.01	—	134
Architectural Coatings	27.0	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.25	0.40	< 0.005	0.01	0.01	—	48.2
Architectural Coatings	9.71	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.05	0.07	< 0.005	< 0.005	< 0.005	—	7.99

Architectural Coatings	1.77	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	1.54	1.45	28.7	0.00	4.87	1.14	14.1	5,282
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	1.28	1.61	16.2	0.00	4.87	1.14	0.37	4,497
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.49	0.52	7.31	0.00	1.75	0.41	2.19	1,731
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.09	0.09	1.33	0.00	0.32	0.07	0.36	287
Vendor	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

3.37. Architectural Coating (2029) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.79	1.11	< 0.005	0.01	0.01	—	134

Architectural Coatings	27.0	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.79	1.11	< 0.005	0.01	0.01	—	134
Architectural Coatings	27.0	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.57	0.79	< 0.005	0.01	0.01	—	95.7
Architectural Coatings	19.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.10	0.14	< 0.005	< 0.005	< 0.005	—	15.8
Architectural Coatings	3.52	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	1.46	1.29	26.8	0.00	4.87	1.14	12.6	5,187
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	1.06	1.44	15.2	0.00	4.87	1.14	0.33	4,419
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.92	0.91	13.5	0.00	3.46	0.81	3.90	3,373

Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.17	0.17	2.47	0.00	0.63	0.15	0.65	558
Vendor	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

3.38. Architectural Coating (2029) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.68	1.11	< 0.005	0.01	0.01	—	134
Architectural Coatings	27.0	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.68	1.11	< 0.005	0.01	0.01	—	134
Architectural Coatings	27.0	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.48	0.79	< 0.005	0.01	0.01	—	95.7
Architectural Coatings	19.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.09	0.14	< 0.005	< 0.005	< 0.005	—	15.8

Architectural Coatings	3.52	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	1.46	1.29	26.8	0.00	4.87	1.14	12.6	5,187
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	1.06	1.44	15.2	0.00	4.87	1.14	0.33	4,419
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.92	0.91	13.5	0.00	3.46	0.81	3.90	3,373
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.17	0.17	2.47	0.00	0.63	0.15	0.65	558
Vendor	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

3.39. Architectural Coating (2030) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.78	1.11	< 0.005	0.01	0.01	—	134

Architectural Coatings	27.0	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.78	1.11	< 0.005	0.01	0.01	—	134
Architectural Coatings	27.0	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.56	0.79	< 0.005	0.01	0.01	—	95.7
Architectural Coatings	19.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.10	0.14	< 0.005	< 0.005	< 0.005	—	15.8
Architectural Coatings	3.52	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	1.23	1.13	25.1	0.00	4.87	1.14	11.3	5,098
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	1.03	1.28	14.2	0.00	4.87	1.14	0.29	4,346
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.77	0.90	12.7	0.00	3.46	0.81	3.48	3,316

Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.14	0.16	2.31	0.00	0.63	0.15	0.58	549
Vendor	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

3.40. Architectural Coating (2030) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.67	1.11	< 0.005	0.01	0.01	—	134
Architectural Coatings	27.0	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.67	1.11	< 0.005	0.01	0.01	—	134
Architectural Coatings	27.0	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.48	0.79	< 0.005	0.01	0.01	—	95.7
Architectural Coatings	19.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.09	0.14	< 0.005	< 0.005	< 0.005	—	15.8

Architectural Coatings	3.52	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	1.23	1.13	25.1	0.00	4.87	1.14	11.3	5,098
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	1.03	1.28	14.2	0.00	4.87	1.14	0.29	4,346
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.77	0.90	12.7	0.00	3.46	0.81	3.48	3,316
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.14	0.16	2.31	0.00	0.63	0.15	0.58	549
Vendor	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

3.41. Architectural Coating (2031) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.78	1.10	< 0.005	0.01	0.01	—	134

Architectural Coatings	27.0	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.78	1.10	< 0.005	0.01	0.01	—	134
Architectural Coatings	27.0	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.55	0.79	< 0.005	0.01	0.01	—	95.7
Architectural Coatings	19.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.10	0.14	< 0.005	< 0.005	< 0.005	—	15.8
Architectural Coatings	3.52	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	1.16	1.11	23.4	0.00	4.87	1.14	10.1	5,017
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.97	1.12	13.2	0.00	4.87	1.14	0.26	4,279
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.73	0.79	11.8	0.00	3.46	0.81	3.11	3,264

Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.13	0.14	2.15	0.00	0.63	0.15	0.51	540
Vendor	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

3.42. Architectural Coating (2031) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.66	1.10	< 0.005	0.01	0.01	—	134
Architectural Coatings	27.0	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.66	1.10	< 0.005	0.01	0.01	—	134
Architectural Coatings	27.0	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.47	0.79	< 0.005	0.01	0.01	—	95.7
Architectural Coatings	19.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.09	0.14	< 0.005	< 0.005	< 0.005	—	15.8

Architectural Coatings	3.52	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	1.16	1.11	23.4	0.00	4.87	1.14	10.1	5,017
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.97	1.12	13.2	0.00	4.87	1.14	0.26	4,279
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.73	0.79	11.8	0.00	3.46	0.81	3.11	3,264
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.13	0.14	2.15	0.00	0.63	0.15	0.51	540
Vendor	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

3.43. Architectural Coating (2032) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.77	1.10	< 0.005	0.01	0.01	—	134

Architectural Coatings	27.0	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.77	1.10	< 0.005	0.01	0.01	—	134
Architectural Coatings	27.0	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.51	0.72	< 0.005	0.01	< 0.005	—	88.1
Architectural Coatings	17.7	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.09	0.13	< 0.005	< 0.005	< 0.005	—	14.6
Architectural Coatings	3.24	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	1.11	0.95	22.1	0.00	4.87	1.14	8.94	4,900
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.92	1.10	12.5	0.00	4.87	1.14	0.23	4,221
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.64	0.62	10.3	0.00	3.19	0.75	2.53	2,963

Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.12	0.11	1.88	0.00	0.58	0.14	0.42	491
Vendor	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

3.44. Architectural Coating (2032) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.65	1.10	< 0.005	0.01	0.01	—	134
Architectural Coatings	27.0	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.65	1.10	< 0.005	0.01	0.01	—	134
Architectural Coatings	27.0	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.43	0.72	< 0.005	0.01	< 0.005	—	88.1
Architectural Coatings	17.7	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.08	0.13	< 0.005	< 0.005	< 0.005	—	14.6

Architectural Coatings	3.24	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	1.11	0.95	22.1	0.00	4.87	1.14	8.94	4,900
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.92	1.10	12.5	0.00	4.87	1.14	0.23	4,221
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.64	0.62	10.3	0.00	3.19	0.75	2.53	2,963
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.12	0.11	1.88	0.00	0.58	0.14	0.42	491
Vendor	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

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	13.3	14.7	162	0.45	41.5	10.7	73.9	46,416
Regional Shopping Center	22.8	17.5	170	0.42	38.0	9.82	67.7	43,495
Condo/Townhouse	11.1	10.1	106	0.28	25.5	6.57	45.3	28,756
Strip Mall	9.58	10.6	117	0.32	29.9	7.71	53.2	33,448
General Office Building	0.33	0.37	4.08	0.01	1.04	0.27	1.86	1,166
Unrefrigerated Warehouse-No Rail	2.28	2.53	27.9	0.08	7.13	1.84	12.7	7,978
Single Family Housing	23.0	21.0	219	0.57	52.7	13.6	93.8	59,485
Mobile Home Park	6.06	5.51	57.4	0.15	13.8	3.57	24.6	15,601
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	88.5	82.3	864	2.28	210	54.1	373	236,346
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	11.2	16.0	109	0.40	41.5	10.7	1.92	41,285
Regional Shopping Center	18.8	18.8	124	0.37	38.0	9.82	1.76	38,806
Condo/Townhouse	9.26	11.0	73.5	0.25	25.5	6.57	1.18	25,611
Strip Mall	8.04	11.5	78.2	0.29	29.9	7.71	1.38	29,750
General Office Building	0.28	0.40	2.73	0.01	1.04	0.27	0.05	1,037
Unrefrigerated Warehouse-No Rail	1.92	2.75	18.7	0.07	7.13	1.84	0.33	7,096
Single Family Housing	19.2	22.7	152	0.51	52.7	13.6	2.43	52,979

Mobile Home Park	5.04	5.97	39.9	0.13	13.8	3.57	0.64	13,895
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	73.6	89.1	597	2.02	210	54.1	9.67	210,458
Annual	—	—	—	—	—	—	—	—
Hotel	1.83	2.39	19.6	0.07	6.43	1.66	4.51	6,128
Regional Shopping Center	3.27	2.86	21.4	0.06	5.81	1.50	4.07	5,681
Condo/Townhouse	1.50	1.62	12.8	0.04	3.90	1.01	2.74	3,755
Strip Mall	1.31	1.71	14.0	0.05	4.60	1.19	3.23	4,382
General Office Building	0.04	0.05	0.43	< 0.005	0.14	0.04	0.10	136
Unrefrigerated Warehouse-No Rail	0.25	0.33	2.71	0.01	0.89	0.23	0.63	849
Single Family Housing	3.28	3.54	27.9	0.09	8.51	2.20	5.97	8,189
Mobile Home Park	0.76	0.82	6.47	0.02	1.97	0.51	1.38	1,899
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	12.2	13.3	105	0.33	32.3	8.33	22.6	31,019

4.1.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	13.3	14.7	162	0.45	41.5	10.7	73.9	46,416
Regional Shopping Center	22.8	17.5	170	0.42	38.0	9.82	67.7	43,495
Condo/Townhouse	11.1	10.1	106	0.28	25.5	6.57	45.3	28,756
Strip Mall	9.58	10.6	117	0.32	29.9	7.71	53.2	33,448
General Office Building	0.33	0.37	4.08	0.01	1.04	0.27	1.86	1,166
Unrefrigerated Warehouse-No Rail	2.28	2.53	27.9	0.08	7.13	1.84	12.7	7,978
Single Family Housing	23.0	21.0	219	0.57	52.7	13.6	93.8	59,485
Mobile Home Park	6.06	5.51	57.4	0.15	13.8	3.57	24.6	15,601
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	88.5	82.3	864	2.28	210	54.1	373	236,346
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	11.2	16.0	109	0.40	41.5	10.7	1.92	41,285
Regional Shopping Center	18.8	18.8	124	0.37	38.0	9.82	1.76	38,806
Condo/Townhouse	9.26	11.0	73.5	0.25	25.5	6.57	1.18	25,611
Strip Mall	8.04	11.5	78.2	0.29	29.9	7.71	1.38	29,750
General Office Building	0.28	0.40	2.73	0.01	1.04	0.27	0.05	1,037
Unrefrigerated Warehouse-No Rail	1.92	2.75	18.7	0.07	7.13	1.84	0.33	7,096
Single Family Housing	19.2	22.7	152	0.51	52.7	13.6	2.43	52,979

Mobile Home Park	5.04	5.97	39.9	0.13	13.8	3.57	0.64	13,895
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	73.6	89.1	597	2.02	210	54.1	9.67	210,458
Annual	—	—	—	—	—	—	—	—
Hotel	1.83	2.39	19.6	0.07	6.43	1.66	4.51	6,128
Regional Shopping Center	3.27	2.86	21.4	0.06	5.81	1.50	4.07	5,681
Condo/Townhouse	1.50	1.62	12.8	0.04	3.90	1.01	2.74	3,755
Strip Mall	1.31	1.71	14.0	0.05	4.60	1.19	3.23	4,382
General Office Building	0.04	0.05	0.43	< 0.005	0.14	0.04	0.10	136
Unrefrigerated Warehouse-No Rail	0.25	0.33	2.71	0.01	0.89	0.23	0.63	849
Single Family Housing	3.28	3.54	27.9	0.09	8.51	2.20	5.97	8,189
Mobile Home Park	0.76	0.82	6.47	0.02	1.97	0.51	1.38	1,899
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	12.2	13.3	105	0.33	32.3	8.33	22.6	31,019

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	3,267
Regional Shopping Center	—	—	—	—	—	—	—	2,617
Condo/Townhouse	—	—	—	—	—	—	—	2,520
Strip Mall	—	—	—	—	—	—	—	755
General Office Building	—	—	—	—	—	—	—	259
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	4,566
Single Family Housing	—	—	—	—	—	—	—	6,315
Mobile Home Park	—	—	—	—	—	—	—	3,818
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	1,006
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	25,122
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	3,267
Regional Shopping Center	—	—	—	—	—	—	—	2,617
Condo/Townhouse	—	—	—	—	—	—	—	2,520
Strip Mall	—	—	—	—	—	—	—	755
General Office Building	—	—	—	—	—	—	—	259
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	4,566

Single Family Housing	—	—	—	—	—	—	—	6,315
Mobile Home Park	—	—	—	—	—	—	—	3,818
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	1,006
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	25,122
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	541
Regional Shopping Center	—	—	—	—	—	—	—	433
Condo/Townhouse	—	—	—	—	—	—	—	417
Strip Mall	—	—	—	—	—	—	—	125
General Office Building	—	—	—	—	—	—	—	42.9
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	756
Single Family Housing	—	—	—	—	—	—	—	1,045
Mobile Home Park	—	—	—	—	—	—	—	632
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	166
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	4,159

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	2,650
Regional Shopping Center	—	—	—	—	—	—	—	2,020
Condo/Townhouse	—	—	—	—	—	—	—	2,004
Strip Mall	—	—	—	—	—	—	—	551
General Office Building	—	—	—	—	—	—	—	194
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	3,534
Single Family Housing	—	—	—	—	—	—	—	4,984
Mobile Home Park	—	—	—	—	—	—	—	2,920
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	804
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	19,661
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	2,650
Regional Shopping Center	—	—	—	—	—	—	—	2,020
Condo/Townhouse	—	—	—	—	—	—	—	2,004
Strip Mall	—	—	—	—	—	—	—	551
General Office Building	—	—	—	—	—	—	—	194
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	3,534

Single Family Housing	—	—	—	—	—	—	—	4,984
Mobile Home Park	—	—	—	—	—	—	—	2,920
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	804
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	19,661
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	439
Regional Shopping Center	—	—	—	—	—	—	—	334
Condo/Townhouse	—	—	—	—	—	—	—	332
Strip Mall	—	—	—	—	—	—	—	91.2
General Office Building	—	—	—	—	—	—	—	32.2
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	585
Single Family Housing	—	—	—	—	—	—	—	825
Mobile Home Park	—	—	—	—	—	—	—	483
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	133
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	3,255

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	0.22	4.03	3.39	0.02	0.31	0.31	—	4,823
Regional Shopping Center	0.03	0.47	0.39	< 0.005	0.04	0.04	—	561
Condo/Townhouse	0.16	2.66	1.13	0.02	0.21	0.21	—	3,384
Strip Mall	0.01	0.14	0.11	< 0.005	0.01	0.01	—	162
General Office Building	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	—	34.4
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	0.52	8.92	3.79	0.06	0.72	0.72	—	11,349
Mobile Home Park	0.19	3.25	1.38	0.02	0.26	0.26	—	4,139
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	1.12	19.5	10.2	0.12	1.55	1.55	—	24,452
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	0.22	4.03	3.39	0.02	0.31	0.31	—	4,823
Regional Shopping Center	0.03	0.47	0.39	< 0.005	0.04	0.04	—	561
Condo/Townhouse	0.16	2.66	1.13	0.02	0.21	0.21	—	3,384
Strip Mall	0.01	0.14	0.11	< 0.005	0.01	0.01	—	162
General Office Building	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	—	34.4
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

Single Family Housing	0.52	8.92	3.79	0.06	0.72	0.72	—	11,349
Mobile Home Park	0.19	3.25	1.38	0.02	0.26	0.26	—	4,139
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	1.12	19.5	10.2	0.12	1.55	1.55	—	24,452
Annual	—	—	—	—	—	—	—	—
Hotel	0.04	0.74	0.62	< 0.005	0.06	0.06	—	798
Regional Shopping Center	< 0.005	0.09	0.07	< 0.005	0.01	0.01	—	92.9
Condo/Townhouse	0.03	0.49	0.21	< 0.005	0.04	0.04	—	560
Strip Mall	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	26.8
General Office Building	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	—	5.70
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	0.10	1.63	0.69	0.01	0.13	0.13	—	1,879
Mobile Home Park	0.03	0.59	0.25	< 0.005	0.05	0.05	—	685
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.21	3.56	1.87	0.02	0.28	0.28	—	4,048

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	0.21	3.78	3.17	0.02	0.29	0.29	—	4,519
Regional Shopping Center	0.02	0.45	0.38	< 0.005	0.03	0.03	—	536
Condo/Townhouse	0.14	2.42	1.03	0.02	0.20	0.20	—	3,079
Strip Mall	0.01	0.13	0.11	< 0.005	0.01	0.01	—	155
General Office Building	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	—	32.7
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	0.48	8.15	3.47	0.05	0.66	0.66	—	10,373
Mobile Home Park	0.17	2.96	1.26	0.02	0.24	0.24	—	3,761
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	1.03	17.9	9.44	0.11	1.43	1.43	—	22,456
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	0.21	3.78	3.17	0.02	0.29	0.29	—	4,519
Regional Shopping Center	0.02	0.45	0.38	< 0.005	0.03	0.03	—	536
Condo/Townhouse	0.14	2.42	1.03	0.02	0.20	0.20	—	3,079
Strip Mall	0.01	0.13	0.11	< 0.005	0.01	0.01	—	155
General Office Building	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	—	32.7
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

Single Family Housing	0.48	8.15	3.47	0.05	0.66	0.66	—	10,373
Mobile Home Park	0.17	2.96	1.26	0.02	0.24	0.24	—	3,761
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	1.03	17.9	9.44	0.11	1.43	1.43	—	22,456
Annual	—	—	—	—	—	—	—	—
Hotel	0.04	0.69	0.58	< 0.005	0.05	0.05	—	748
Regional Shopping Center	< 0.005	0.08	0.07	< 0.005	0.01	0.01	—	88.8
Condo/Townhouse	0.03	0.44	0.19	< 0.005	0.04	0.04	—	510
Strip Mall	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	25.6
General Office Building	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.41
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	0.09	1.49	0.63	0.01	0.12	0.12	—	1,717
Mobile Home Park	0.03	0.54	0.23	< 0.005	0.04	0.04	—	623
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.19	3.27	1.72	0.02	0.26	0.26	—	3,718

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hearths	0.73	12.4	5.29	0.08	1.00	1.00	—	16,839
Consumer Products	89.8	—	—	—	—	—	—	—
Architectural Coatings	8.52	—	—	—	—	—	—	—
Landscape Equipment	21.4	1.73	193	0.01	0.17	0.13	—	604
Total	120	14.2	198	0.09	1.17	1.13	—	17,443
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hearths	0.73	12.4	5.29	0.08	1.00	1.00	—	16,839
Consumer Products	89.8	—	—	—	—	—	—	—
Architectural Coatings	8.52	—	—	—	—	—	—	—
Total	99.1	12.4	5.29	0.08	1.00	1.00	—	16,839
Annual	—	—	—	—	—	—	—	—
Hearths	0.01	0.16	0.07	< 0.005	0.01	0.01	—	191
Consumer Products	16.4	—	—	—	—	—	—	—
Architectural Coatings	1.55	—	—	—	—	—	—	—
Landscape Equipment	1.92	0.16	17.4	< 0.005	0.02	0.01	—	49.3
Total	19.9	0.31	17.4	< 0.005	0.03	0.02	—	240

4.3.2. Mitigated

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

Source	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hearths	0.73	12.4	5.29	0.08	1.00	1.00	—	16,839
Consumer Products	83.1	—	—	—	—	—	—	—
Architectural Coatings	8.52	—	—	—	—	—	—	—
Landscape Equipment	21.4	1.73	193	0.01	0.17	0.13	—	604
Total	114	14.2	198	0.09	1.17	1.13	—	17,443
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hearths	0.73	12.4	5.29	0.08	1.00	1.00	—	16,839
Consumer Products	83.1	—	—	—	—	—	—	—
Architectural Coatings	8.52	—	—	—	—	—	—	—
Total	92.4	12.4	5.29	0.08	1.00	1.00	—	16,839
Annual	—	—	—	—	—	—	—	—
Hearths	0.01	0.16	0.07	< 0.005	0.01	0.01	—	191
Consumer Products	15.2	—	—	—	—	—	—	—
Architectural Coatings	1.55	—	—	—	—	—	—	—
Landscape Equipment	1.92	0.16	17.4	< 0.005	0.02	0.01	—	49.3
Total	18.7	0.31	17.4	< 0.005	0.03	0.02	—	240

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Hotel	—	—	—	—	—	—	—	96.8
Regional Shopping Center	—	—	—	—	—	—	—	230
Condo/Townhouse	—	—	—	—	—	—	—	247
Strip Mall	—	—	—	—	—	—	—	178
General Office Building	—	—	—	—	—	—	—	135
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,697
Single Family Housing	—	—	—	—	—	—	—	865
Mobile Home Park	—	—	—	—	—	—	—	418
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	3,867
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	96.8
Regional Shopping Center	—	—	—	—	—	—	—	230
Condo/Townhouse	—	—	—	—	—	—	—	247
Strip Mall	—	—	—	—	—	—	—	178
General Office Building	—	—	—	—	—	—	—	135
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,697
Single Family Housing	—	—	—	—	—	—	—	865
Mobile Home Park	—	—	—	—	—	—	—	418

User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	3,867
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	16.0
Regional Shopping Center	—	—	—	—	—	—	—	38.1
Condo/Townhouse	—	—	—	—	—	—	—	40.9
Strip Mall	—	—	—	—	—	—	—	29.5
General Office Building	—	—	—	—	—	—	—	22.3
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	281
Single Family Housing	—	—	—	—	—	—	—	143
Mobile Home Park	—	—	—	—	—	—	—	69.2
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	640

4.4.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Hotel	—	—	—	—	—	—	—	91.5
Regional Shopping Center	—	—	—	—	—	—	—	230
Condo/Townhouse	—	—	—	—	—	—	—	242
Strip Mall	—	—	—	—	—	—	—	178
General Office Building	—	—	—	—	—	—	—	135
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,697
Single Family Housing	—	—	—	—	—	—	—	865
Mobile Home Park	—	—	—	—	—	—	—	402
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	3,840
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	91.5
Regional Shopping Center	—	—	—	—	—	—	—	230
Condo/Townhouse	—	—	—	—	—	—	—	242
Strip Mall	—	—	—	—	—	—	—	178
General Office Building	—	—	—	—	—	—	—	135
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,697
Single Family Housing	—	—	—	—	—	—	—	865
Mobile Home Park	—	—	—	—	—	—	—	402

User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	3,840
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	15.2
Regional Shopping Center	—	—	—	—	—	—	—	38.1
Condo/Townhouse	—	—	—	—	—	—	—	40.0
Strip Mall	—	—	—	—	—	—	—	29.5
General Office Building	—	—	—	—	—	—	—	22.3
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	281
Single Family Housing	—	—	—	—	—	—	—	143
Mobile Home Park	—	—	—	—	—	—	—	66.5
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	636

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	310
Regional Shopping Center	—	—	—	—	—	—	—	515
Condo/Townhouse	—	—	—	—	—	—	—	704
Strip Mall	—	—	—	—	—	—	—	148
General Office Building	—	—	—	—	—	—	—	17.5
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,060
Single Family Housing	—	—	—	—	—	—	—	1,714
Mobile Home Park	—	—	—	—	—	—	—	1,144
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	5,612
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	310
Regional Shopping Center	—	—	—	—	—	—	—	515
Condo/Townhouse	—	—	—	—	—	—	—	704
Strip Mall	—	—	—	—	—	—	—	148
General Office Building	—	—	—	—	—	—	—	17.5
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,060

Single Family Housing	—	—	—	—	—	—	—	1,714
Mobile Home Park	—	—	—	—	—	—	—	1,144
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	5,612
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	51.3
Regional Shopping Center	—	—	—	—	—	—	—	85.2
Condo/Townhouse	—	—	—	—	—	—	—	117
Strip Mall	—	—	—	—	—	—	—	24.6
General Office Building	—	—	—	—	—	—	—	2.90
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	175
Single Family Housing	—	—	—	—	—	—	—	284
Mobile Home Park	—	—	—	—	—	—	—	189
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	929

4.5.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	310
Regional Shopping Center	—	—	—	—	—	—	—	515
Condo/Townhouse	—	—	—	—	—	—	—	704
Strip Mall	—	—	—	—	—	—	—	148
General Office Building	—	—	—	—	—	—	—	17.5
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,060
Single Family Housing	—	—	—	—	—	—	—	1,714
Mobile Home Park	—	—	—	—	—	—	—	1,144
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	5,612
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	310
Regional Shopping Center	—	—	—	—	—	—	—	515
Condo/Townhouse	—	—	—	—	—	—	—	704
Strip Mall	—	—	—	—	—	—	—	148
General Office Building	—	—	—	—	—	—	—	17.5
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,060

Single Family Housing	—	—	—	—	—	—	—	1,714
Mobile Home Park	—	—	—	—	—	—	—	1,144
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	5,612
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	51.3
Regional Shopping Center	—	—	—	—	—	—	—	85.2
Condo/Townhouse	—	—	—	—	—	—	—	117
Strip Mall	—	—	—	—	—	—	—	24.6
General Office Building	—	—	—	—	—	—	—	2.90
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	175
Single Family Housing	—	—	—	—	—	—	—	284
Mobile Home Park	—	—	—	—	—	—	—	189
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	929

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	681	681
Regional Shopping Center	—	—	—	—	—	—	1.25	1.25
Condo/Townhouse	—	—	—	—	—	—	3.83	3.83
Strip Mall	—	—	—	—	—	—	0.47	0.47
General Office Building	—	—	—	—	—	—	0.02	0.02
Single Family Housing	—	—	—	—	—	—	13.9	13.9
Mobile Home Park	—	—	—	—	—	—	2.28	2.28
Total	—	—	—	—	—	—	703	703
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	681	681
Regional Shopping Center	—	—	—	—	—	—	1.25	1.25
Condo/Townhouse	—	—	—	—	—	—	3.83	3.83
Strip Mall	—	—	—	—	—	—	0.47	0.47
General Office Building	—	—	—	—	—	—	0.02	0.02
Single Family Housing	—	—	—	—	—	—	13.9	13.9
Mobile Home Park	—	—	—	—	—	—	2.28	2.28
Total	—	—	—	—	—	—	703	703
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	113	113

Regional Shopping Center	—	—	—	—	—	—	0.21	0.21
Condo/Townhouse	—	—	—	—	—	—	0.63	0.63
Strip Mall	—	—	—	—	—	—	0.08	0.08
General Office Building	—	—	—	—	—	—	< 0.005	< 0.005
Single Family Housing	—	—	—	—	—	—	2.30	2.30
Mobile Home Park	—	—	—	—	—	—	0.38	0.38
Total	—	—	—	—	—	—	116	116

4.6.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	681	681
Regional Shopping Center	—	—	—	—	—	—	1.25	1.25
Condo/Townhouse	—	—	—	—	—	—	3.83	3.83
Strip Mall	—	—	—	—	—	—	0.47	0.47
General Office Building	—	—	—	—	—	—	0.02	0.02
Single Family Housing	—	—	—	—	—	—	13.9	13.9
Mobile Home Park	—	—	—	—	—	—	2.28	2.28
Total	—	—	—	—	—	—	703	703
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	681	681
Regional Shopping Center	—	—	—	—	—	—	1.25	1.25

Condo/Townhouse	—	—	—	—	—	—	3.83	3.83
Strip Mall	—	—	—	—	—	—	0.47	0.47
General Office Building	—	—	—	—	—	—	0.02	0.02
Single Family Housing	—	—	—	—	—	—	13.9	13.9
Mobile Home Park	—	—	—	—	—	—	2.28	2.28
Total	—	—	—	—	—	—	703	703
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	113	113
Regional Shopping Center	—	—	—	—	—	—	0.21	0.21
Condo/Townhouse	—	—	—	—	—	—	0.63	0.63
Strip Mall	—	—	—	—	—	—	0.08	0.08
General Office Building	—	—	—	—	—	—	< 0.005	< 0.005
Single Family Housing	—	—	—	—	—	—	2.30	2.30
Mobile Home Park	—	—	—	—	—	—	0.38	0.38
Total	—	—	—	—	—	—	116	116

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—

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

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

Vegetation	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—

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

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—

Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	1/1/2026	2/11/2026	5.00	30.0	—

Site Preparation	Site Preparation	2/12/2026	3/1/2027	5.00	273	—
Grading	Grading	6/1/2026	6/30/2027	5.00	283	—
Building Construction	Building Construction	7/1/2027	12/1/2032	5.00	1,415	—
Paving	Paving	7/1/2027	12/1/2032	5.00	1,415	—
Architectural Coating	Architectural Coating	7/1/2028	12/1/2032	5.00	1,153	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	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	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	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/Backhoes	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
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	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	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	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/Backhoes	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
Demolition	—	—	—	—
Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	21.1	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
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	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	3.31	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	1,865	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	477	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	373	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
Demolition	—	—	—	—
Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	21.1	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
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	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	3.31	20.0	HHDT
Grading	Onsite truck	—	—	HHDT

Building Construction	—	—	—	—
Building Construction	Worker	1,865	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	477	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	373	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

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	5,650,115	1,883,372	2,099,201	699,734	141,134

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	55,000	—
Site Preparation	—	—	410	0.00	—
Grading	4,400	7,500	849	0.00	—
Paving	0.00	0.00	0.00	0.00	81.9

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Hotel	0.00	0%
Regional Shopping Center	0.00	0%
Condo/Townhouse	—	0%
Strip Mall	0.00	0%
General Office Building	0.00	0%
Unrefrigerated Warehouse-No Rail	0.00	0%
Single Family Housing	10.9	0%
Mobile Home Park	6.00	80%
Mobile Home Park	6.00	80%

User Defined Industrial	5.00	0%
Parking Lot	38.7	100%
Other Asphalt Surfaces	15.3	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	262	0.03	< 0.005
2027	0.00	266	0.03	< 0.005
2028	0.00	275	0.03	< 0.005
2029	0.00	249	0.03	< 0.005
2030	0.00	247	0.03	< 0.005
2031	0.00	247	0.03	< 0.005
2032	0.00	247	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Hotel	3,669	4,314	3,153	1,345,911	49,551	58,262	42,583	18,177,079
Regional Shopping Center	7,904	8,349	5,486	2,782,061	45,186	53,406	35,094	16,395,232
Condo/Townhouse	3,404	3,883	2,065	1,197,586	31,343	35,761	19,020	11,027,894
Strip Mall	2,698	3,109	1,859	962,388	36,434	41,985	25,110	12,997,436
General Office Building	108	22.1	7.00	29,779	1,464	298	94.5	402,175
Unrefrigerated Warehouse-No Rail	419	742	742	186,465	5,653	10,015	10,015	2,518,285

Single Family Housing	7,418	8,033	4,965	2,611,675	68,306	73,975	45,720	24,049,445
Mobile Home Park	970	1,290	970	370,736	7,758	10,317	7,758	2,964,966
Mobile Home Park	621	826	621	237,271	6,829	9,082	6,829	2,609,979
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Hotel	3,669	4,314	3,153	1,345,911	49,551	58,262	42,583	18,177,079
Regional Shopping Center	7,904	8,349	5,486	2,782,061	45,186	53,406	35,094	16,395,232
Condo/Townhouse	3,404	3,883	2,065	1,197,586	31,343	35,761	19,020	11,027,894
Strip Mall	2,698	3,109	1,859	962,388	36,434	41,985	25,110	12,997,436
General Office Building	108	22.1	7.00	29,779	1,464	298	94.5	402,175
Unrefrigerated Warehouse-No Rail	419	742	742	186,465	5,653	10,015	10,015	2,518,285
Single Family Housing	7,418	8,033	4,965	2,611,675	68,306	73,975	45,720	24,049,445
Mobile Home Park	970	1,290	970	370,736	7,758	10,317	7,758	2,964,966
Mobile Home Park	621	826	621	237,271	6,829	9,082	6,829	2,609,979
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Condo/Townhouse	—
Wood Fireplaces	0
Gas Fireplaces	289
Propane Fireplaces	0
Electric Fireplaces	17
No Fireplaces	34
Conventional Wood Stoves	0
Catalytic Wood Stoves	17
Non-Catalytic Wood Stoves	17
Pellet Wood Stoves	0
Single Family Housing	—
Wood Fireplaces	25
Gas Fireplaces	410
Propane Fireplaces	0
Electric Fireplaces	26
No Fireplaces	52
Conventional Wood Stoves	0
Catalytic Wood Stoves	26
Non-Catalytic Wood Stoves	26
Pellet Wood Stoves	0
Mobile Home Park	—

Wood Fireplaces	0
Gas Fireplaces	425
Propane Fireplaces	0
Electric Fireplaces	25
No Fireplaces	50
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	320
No Fireplaces	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	25
Non-Catalytic Wood Stoves	25
Pellet Wood Stoves	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	16
Non-Catalytic Wood Stoves	16
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Condo/Townhouse	—
Wood Fireplaces	0
Gas Fireplaces	289
Propane Fireplaces	0
Electric Fireplaces	17
No Fireplaces	34

Conventional Wood Stoves	0
Catalytic Wood Stoves	17
Non-Catalytic Wood Stoves	17
Pellet Wood Stoves	0
Single Family Housing	—
Wood Fireplaces	25
Gas Fireplaces	410
Propane Fireplaces	0
Electric Fireplaces	26
No Fireplaces	52
Conventional Wood Stoves	0
Catalytic Wood Stoves	26
Non-Catalytic Wood Stoves	26
Pellet Wood Stoves	0
Mobile Home Park	—
Wood Fireplaces	0
Gas Fireplaces	425
Propane Fireplaces	0
Electric Fireplaces	25
No Fireplaces	50
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	320
No Fireplaces	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	25

Non-Catalytic Wood Stoves	25
Pellet Wood Stoves	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	16
Non-Catalytic Wood Stoves	16
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
5650114.5	1,883,372	2,099,201	699,734	141,134

5.10.3. Landscape Equipment

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

5.10.4. Landscape Equipment - Mitigated

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

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

Hotel	4,797,664	247	0.0330	0.0040	15,006,207
Regional Shopping Center	3,843,856	247	0.0330	0.0040	1,745,319
Condo/Townhouse	3,701,216	247	0.0330	0.0040	10,529,592
Strip Mall	1,108,805	247	0.0330	0.0040	503,458
General Office Building	380,325	247	0.0330	0.0040	107,164
Unrefrigerated Warehouse-No Rail	6,706,220	247	0.0330	0.0040	0.00
Single Family Housing	9,273,869	247	0.0330	0.0040	35,315,364
Mobile Home Park	3,419,003	247	0.0330	0.0040	12,878,656
Mobile Home Park	2,188,162	247	0.0330	0.0040	0.00
User Defined Industrial	0.00	247	0.0330	0.0040	0.00
Parking Lot	1,476,736	247	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	247	0.0330	0.0040	0.00

5.11.2. Mitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Hotel	3,892,421	247	0.0330	0.0040	14,062,573
Regional Shopping Center	2,966,439	247	0.0330	0.0040	1,668,802
Condo/Townhouse	2,943,646	247	0.0330	0.0040	9,579,482
Strip Mall	809,030	247	0.0330	0.0040	481,385
General Office Building	285,252	247	0.0330	0.0040	101,672
Unrefrigerated Warehouse-No Rail	5,190,067	247	0.0330	0.0040	0.00
Single Family Housing	7,319,346	247	0.0330	0.0040	32,277,173
Mobile Home Park	2,614,782	247	0.0330	0.0040	11,704,349
Mobile Home Park	1,673,460	247	0.0330	0.0040	0.00
User Defined Industrial	0.00	247	0.0330	0.0040	0.00

Parking Lot	1,181,389	247	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	247	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Hotel	7,610,031	4,446,831
Regional Shopping Center	19,258,856	4,446,831
Condo/Townhouse	20,540,256	5,435,016
Strip Mall	5,555,439	52,297,012
General Office Building	1,777,337	52,297,012
Unrefrigerated Warehouse-No Rail	138,287,500	52,297,012
Single Family Housing	40,389,059	183,781,003
Mobile Home Park	20,336,888	8,212,444
Mobile Home Park	13,015,608	8,212,444
User Defined Industrial	0.00	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Hotel	7,610,031	2,014,106
Regional Shopping Center	19,258,856	4,446,831
Condo/Townhouse	20,540,256	3,002,291
Strip Mall	5,555,439	52,297,012
General Office Building	1,777,337	52,297,012

Unrefrigerated Warehouse-No Rail	138,287,500	52,297,012
Single Family Housing	40,389,059	183,781,003
Mobile Home Park	20,336,888	4,536,536
Mobile Home Park	13,015,608	4,536,536
User Defined Industrial	0.00	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Hotel	164	—
Regional Shopping Center	273	—
Condo/Townhouse	373	—
Strip Mall	78.8	—
General Office Building	9.30	—
Unrefrigerated Warehouse-No Rail	562	—
Single Family Housing	909	—
Mobile Home Park	370	—
Mobile Home Park	237	—
User Defined Industrial	0.00	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)

Hotel	164	—
Regional Shopping Center	273	—
Condo/Townhouse	373	—
Strip Mall	78.8	—
General Office Building	9.30	—
Unrefrigerated Warehouse-No Rail	562	—
Single Family Housing	909	—
Mobile Home Park	370	—
Mobile Home Park	237	—
User Defined Industrial	0.00	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Mobile Home Park	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Mobile Home Park	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Mobile Home Park	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Mobile Home Park	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Mobile Home Park	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0

Mobile Home Park	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Mobile Home Park	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Mobile Home Park	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

5.15.2. Mitigated

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

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

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

5.16.2. Process Boilers

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

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

5.18.2.2. Mitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	21.5	annual days of extreme heat
Extreme Precipitation	0.50	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.23	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	2	3	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	3	2	3	2
Snowpack Reduction	N/A	N/A	N/A	N/A

Air Quality Degradation	5	2	3	3

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

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	2	3	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	3	2	3	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	5	2	3	3

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—

AQ-Ozone	77.1
AQ-PM	7.31
AQ-DPM	9.38
Drinking Water	67.0
Lead Risk Housing	31.7
Pesticides	95.0
Toxic Releases	3.14
Traffic	6.09
Effect Indicators	—
CleanUp Sites	22.6
Groundwater	0.00
Haz Waste Facilities/Generators	35.6
Impaired Water Bodies	97.5
Solid Waste	83.3
Sensitive Population	—
Asthma	21.2
Cardio-vascular	47.3
Low Birth Weights	53.8
Socioeconomic Factor Indicators	—
Education	96.2
Housing	77.2
Linguistic	99.1
Poverty	95.5
Unemployment	93.8

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	2.527909663
Employed	8.956756063
Median HI	7.262928269
Education	—
Bachelor's or higher	24.75298345
High school enrollment	22.50737842
Preschool enrollment	7.814705505
Transportation	—
Auto Access	49.51879892
Active commuting	13.6147825
Social	—
2-parent households	34.82612601
Voting	66.44424484
Neighborhood	—
Alcohol availability	91.1587322
Park access	5.389452072
Retail density	5.864237136
Supermarket access	2.399589375
Tree canopy	8.404978827
Housing	—
Homeownership	77.35146927
Housing habitability	8.956756063
Low-inc homeowner severe housing cost burden	12.29308354
Low-inc renter severe housing cost burden	61.6963942
Uncrowded housing	15.89888361

Health Outcomes	—
Insured adults	2.463749519
Arthritis	0.0
Asthma ER Admissions	63.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	81.1
Cognitively Disabled	76.7
Physically Disabled	74.5
Heart Attack ER Admissions	49.3
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	39.9
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0

Children	16.3
Elderly	50.9
English Speaking	2.2
Foreign-born	93.3
Outdoor Workers	0.1
Climate Change Adaptive Capacity	—
Impervious Surface Cover	96.0
Traffic Density	2.2
Traffic Access	23.0
Other Indices	—
Hardship	97.8
Other Decision Support	—
2016 Voting	63.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	66.0
Healthy Places Index Score for Project Location (b)	6.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	EasternCoachellaValley

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

7.4. Health & Equity Measures

Measure Title	Co-Benefits Achieved
IC-2: Adopt Design Standards	—

IC-3: Promotes Accessibility	—
IC-4: Enhanced Open and Green Spaces	—
IC-7: Equal Access to Building Amenities	—
IC-8: Enhanced Access to Community Resources	—

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	See TRSP AQ/GHG report Table 6-1 CalEEMod Land Use Assumptions. Landscaping acreage from TRSP DEIR Table 2.12-5 Projected Outdoor Irrigation Water Demand. Assumes average RV is 500 SF.
Construction: Construction Phases	Operational/buildout year consistent with Traffic Impact Analysis.
Construction: Paving	Assumes 12 acres of hardscape for workforce housing. 5 acres of off site water tank location will be permanently disturbed, assumes paved.
Operations: Vehicle Data	Same trip rates used for Proposed Project analysis, per TIA. Assumes no H-O trips for RV residents (mobile home 320 units) who work on-site.
Operations: Hearths	Assumes wood burning fireplaces are limited to single family estates. Workforce housing and condos will not have wood burning hearths. No wood burning stoves proposed.
Operations: Energy Use	All new development will be built to Title 24 standards. RV park does not use natural gas. The equestrian stables (unrefrigerated warehouse) do not use natural gas.

TRSP Alternative A - PA 3 LST Analysis Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	TRSP Alternative A - PA 3 LST Analysis
Construction Start Date	1/1/2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	8.80
Location	33.605542929167214, -116.16665369791724
County	Riverside-Salton Sea
City	Unincorporated
Air District	South Coast AQMD
Air Basin	Salton Sea
TAZ	5697
EDFZ	19
Electric Utility	Imperial Irrigation District
Gas Utility	Southern California Gas
App Version	2022.1.1.23

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Condo/Townhouse	605	Dwelling Unit	69.5	641,300	566,280	—	1,954	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-10-A	Water Exposed Surfaces

* 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.	NOx	CO	PM10T	PM2.5T
Daily, Summer (Max)	—	—	—	—
Unmit.	29.2	49.7	9.14	5.14
Mit.	29.2	49.7	9.14	5.14
% Reduced	—	—	—	—
Daily, Winter (Max)	—	—	—	—
Unmit.	27.3	35.8	6.65	2.52
Mit.	27.3	35.8	6.65	2.52
% Reduced	—	—	—	—
Average Daily (Max)	—	—	—	—
Unmit.	12.9	28.1	4.70	1.52
Mit.	12.9	28.1	4.70	1.52
% Reduced	—	—	—	—
Annual (Max)	—	—	—	—
Unmit.	2.36	5.13	0.86	0.28
Mit.	2.36	5.13	0.86	0.28
% Reduced	—	—	—	—

Exceeds (Daily Max)	—	—	—	—
Threshold	304	2,292	14.0	8.00
Unmit.	No	No	No	No
Mit.	No	No	No	No
Exceeds (Average Daily)	—	—	—	—
Threshold	304	2,292	14.0	8.00
Unmit.	No	No	No	No
Mit.	No	No	No	No

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	NOx	CO	PM10T	PM2.5T
Daily - Summer (Max)	—	—	—	—
2026	29.2	30.4	9.14	5.14
2027	13.3	49.7	6.61	1.83
2028	12.5	47.3	6.58	1.79
2029	11.9	44.9	6.55	1.77
2030	11.5	43.0	6.54	1.76
2031	6.17	10.8	1.15	0.28
Daily - Winter (Max)	—	—	—	—
2026	27.3	35.8	6.65	2.52
2027	13.6	34.2	6.61	1.83
2028	12.8	32.7	6.58	1.79
2029	12.2	31.5	6.55	1.77
2030	11.8	30.2	6.54	1.76
2031	11.2	29.1	6.52	1.74
Average Daily	—	—	—	—

2026	12.9	16.3	3.20	1.52
2027	9.52	28.1	4.70	1.30
2028	9.02	26.8	4.69	1.28
2029	8.55	25.6	4.65	1.26
2030	8.36	24.5	4.64	1.25
2031	2.36	5.76	0.83	0.24
Annual	—	—	—	—
2026	2.36	2.98	0.58	0.28
2027	1.74	5.13	0.86	0.24
2028	1.65	4.90	0.86	0.23
2029	1.56	4.67	0.85	0.23
2030	1.52	4.48	0.85	0.23
2031	0.43	1.05	0.15	0.04

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	NOx	CO	PM10T	PM2.5T
Daily - Summer (Max)	—	—	—	—
2026	29.2	30.4	9.14	5.14
2027	13.3	49.7	6.61	1.83
2028	12.5	47.3	6.58	1.79
2029	11.9	44.9	6.55	1.77
2030	11.5	43.0	6.54	1.76
2031	6.17	10.8	1.15	0.28
Daily - Winter (Max)	—	—	—	—
2026	27.3	35.8	6.65	2.52
2027	13.6	34.2	6.61	1.83

2028	12.8	32.7	6.58	1.79
2029	12.2	31.5	6.55	1.77
2030	11.8	30.2	6.54	1.76
2031	11.2	29.1	6.52	1.74
Average Daily	—	—	—	—
2026	12.9	16.3	3.20	1.52
2027	9.52	28.1	4.70	1.30
2028	9.02	26.8	4.69	1.28
2029	8.55	25.6	4.65	1.26
2030	8.36	24.5	4.64	1.25
2031	2.36	5.76	0.83	0.24
Annual	—	—	—	—
2026	2.36	2.98	0.58	0.28
2027	1.74	5.13	0.86	0.24
2028	1.65	4.90	0.86	0.23
2029	1.56	4.67	0.85	0.23
2030	1.52	4.48	0.85	0.23
2031	0.43	1.05	0.15	0.04

3. Construction Emissions Details

3.1. Site Preparation (2026) - Unmitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	29.2	28.8	1.24	1.14

Dust From Material Movement	—	—	7.67	3.94
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Average Daily	—	—	—	—
Off-Road Equipment	3.20	3.16	0.14	0.13
Dust From Material Movement	—	—	0.84	0.43
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	0.58	0.58	0.02	0.02
Dust From Material Movement	—	—	0.15	0.08
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Worker	0.08	1.55	0.23	0.05
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Average Daily	—	—	—	—
Worker	0.01	0.12	0.02	0.01
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	< 0.005	0.02	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00

3.2. Site Preparation (2026) - Mitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	29.2	28.8	1.24	1.14
Dust From Material Movement	—	—	7.67	3.94
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Average Daily	—	—	—	—
Off-Road Equipment	3.20	3.16	0.14	0.13
Dust From Material Movement	—	—	0.84	0.43
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	0.58	0.58	0.02	0.02
Dust From Material Movement	—	—	0.15	0.08
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Worker	0.08	1.55	0.23	0.05
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Average Daily	—	—	—	—
Worker	0.01	0.12	0.02	0.01
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	< 0.005	0.02	< 0.005	< 0.005

Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00

3.3. Grading (2026) - Unmitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	27.2	27.6	1.12	1.03
Dust From Material Movement	—	—	3.59	1.42
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	27.2	27.6	1.12	1.03
Dust From Material Movement	—	—	3.59	1.42
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Off-Road Equipment	8.20	8.31	0.34	0.31
Dust From Material Movement	—	—	1.08	0.43
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	1.50	1.52	0.06	0.06
Dust From Material Movement	—	—	0.20	0.08
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Worker	0.10	1.77	0.26	0.06
Vendor	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Worker	0.10	1.00	0.26	0.06
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	0.03	0.38	0.08	0.02
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.01	0.07	0.01	< 0.005
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00

3.4. Grading (2026) - Mitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	27.2	27.6	1.12	1.03
Dust From Material Movement	—	—	3.59	1.42
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	27.2	27.6	1.12	1.03
Dust From Material Movement	—	—	3.59	1.42
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—

Off-Road Equipment	8.20	8.31	0.34	0.31
Dust From Material Movement	—	—	1.08	0.43
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	1.50	1.52	0.06	0.06
Dust From Material Movement	—	—	0.20	0.08
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Worker	0.10	1.77	0.26	0.06
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Worker	0.10	1.00	0.26	0.06
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	0.03	0.38	0.08	0.02
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.01	0.07	0.01	< 0.005
Vendor	0.00	0.00	0.00	0.00
Hauling	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	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	9.85	13.0	0.38	0.35
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Off-Road Equipment	1.04	1.37	0.04	0.04
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	0.19	0.25	0.01	0.01
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Daily, Winter (Max)	—	—	—	—
Worker	2.26	21.9	5.69	1.33
Vendor	2.23	0.93	0.58	0.18
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	0.22	2.89	0.60	0.14
Vendor	0.23	0.10	0.06	0.02
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.04	0.53	0.11	0.03
Vendor	0.04	0.02	0.01	< 0.005
Hauling	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	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	9.85	13.0	0.38	0.35
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Off-Road Equipment	1.04	1.37	0.04	0.04
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	0.19	0.25	0.01	0.01
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Daily, Winter (Max)	—	—	—	—
Worker	2.26	21.9	5.69	1.33
Vendor	2.23	0.93	0.58	0.18
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	0.22	2.89	0.60	0.14
Vendor	0.23	0.10	0.06	0.02
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.04	0.53	0.11	0.03
Vendor	0.04	0.02	0.01	< 0.005

Hauling	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	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	9.39	12.9	0.34	0.31
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	9.39	12.9	0.34	0.31
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Off-Road Equipment	6.71	9.24	0.24	0.22
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	1.22	1.69	0.04	0.04
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Worker	1.89	35.9	5.69	1.33
Vendor	1.97	0.86	0.58	0.18
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Worker	2.06	20.4	5.69	1.33
Vendor	2.12	0.88	0.58	0.18
Hauling	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—
Worker	1.33	18.2	4.04	0.95
Vendor	1.47	0.61	0.41	0.13
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.24	3.33	0.74	0.17
Vendor	0.27	0.11	0.08	0.02
Hauling	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	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	9.39	12.9	0.34	0.31
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	9.39	12.9	0.34	0.31
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Off-Road Equipment	6.71	9.24	0.24	0.22
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	1.22	1.69	0.04	0.04
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—

Worker	1.89	35.9	5.69	1.33
Vendor	1.97	0.86	0.58	0.18
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Worker	2.06	20.4	5.69	1.33
Vendor	2.12	0.88	0.58	0.18
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	1.33	18.2	4.04	0.95
Vendor	1.47	0.61	0.41	0.13
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.24	3.33	0.74	0.17
Vendor	0.27	0.11	0.08	0.02
Hauling	0.00	0.00	0.00	0.00

3.9. Building Construction (2028) - Unmitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	8.92	12.9	0.30	0.28
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	8.92	12.9	0.30	0.28
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—

Off-Road Equipment	6.39	9.26	0.22	0.20
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	1.17	1.69	0.04	0.04
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Worker	1.69	33.6	5.69	1.33
Vendor	1.89	0.81	0.58	0.18
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Worker	1.88	18.9	5.69	1.33
Vendor	2.04	0.84	0.58	0.18
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	1.20	17.0	4.06	0.95
Vendor	1.42	0.59	0.42	0.13
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.22	3.10	0.74	0.17
Vendor	0.26	0.11	0.08	0.02
Hauling	0.00	0.00	0.00	0.00

3.10. Building Construction (2028) - Mitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—

Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	8.92	12.9	0.30	0.28
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	8.92	12.9	0.30	0.28
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Off-Road Equipment	6.39	9.26	0.22	0.20
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	1.17	1.69	0.04	0.04
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Worker	1.69	33.6	5.69	1.33
Vendor	1.89	0.81	0.58	0.18
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Worker	1.88	18.9	5.69	1.33
Vendor	2.04	0.84	0.58	0.18
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	1.20	17.0	4.06	0.95
Vendor	1.42	0.59	0.42	0.13
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.22	3.10	0.74	0.17

Vendor	0.26	0.11	0.08	0.02
Hauling	0.00	0.00	0.00	0.00

3.11. Building Construction (2029) - Unmitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	8.58	12.9	0.28	0.25
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	8.58	12.9	0.28	0.25
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Off-Road Equipment	6.13	9.22	0.20	0.18
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	1.12	1.68	0.04	0.03
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Worker	1.50	31.2	5.69	1.33
Vendor	1.82	0.78	0.58	0.18
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Worker	1.68	17.8	5.69	1.33
Vendor	1.96	0.81	0.58	0.18

Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	1.06	15.8	4.04	0.95
Vendor	1.36	0.57	0.41	0.13
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.19	2.88	0.74	0.17
Vendor	0.25	0.10	0.08	0.02
Hauling	0.00	0.00	0.00	0.00

3.12. Building Construction (2029) - Mitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	8.58	12.9	0.28	0.25
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	8.58	12.9	0.28	0.25
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Off-Road Equipment	6.13	9.22	0.20	0.18
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	1.12	1.68	0.04	0.03
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—

Daily, Summer (Max)	—	—	—	—
Worker	1.50	31.2	5.69	1.33
Vendor	1.82	0.78	0.58	0.18
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Worker	1.68	17.8	5.69	1.33
Vendor	1.96	0.81	0.58	0.18
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	1.06	15.8	4.04	0.95
Vendor	1.36	0.57	0.41	0.13
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.19	2.88	0.74	0.17
Vendor	0.25	0.10	0.08	0.02
Hauling	0.00	0.00	0.00	0.00

3.13. Building Construction (2030) - Unmitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	8.39	12.9	0.26	0.24
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	8.39	12.9	0.26	0.24
Onsite truck	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—
Off-Road Equipment	5.99	9.20	0.19	0.17
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	1.09	1.68	0.03	0.03
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Worker	1.32	29.3	5.69	1.33
Vendor	1.76	0.76	0.58	0.18
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Worker	1.49	16.5	5.69	1.33
Vendor	1.89	0.78	0.58	0.18
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	1.05	14.8	4.04	0.95
Vendor	1.31	0.54	0.41	0.13
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.19	2.70	0.74	0.17
Vendor	0.24	0.10	0.08	0.02
Hauling	0.00	0.00	0.00	0.00

3.14. Building Construction (2030) - Mitigated

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

Location	NOx	CO	PM10T	PM2.5T

Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	8.39	12.9	0.26	0.24
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	8.39	12.9	0.26	0.24
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Off-Road Equipment	5.99	9.20	0.19	0.17
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	1.09	1.68	0.03	0.03
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Worker	1.32	29.3	5.69	1.33
Vendor	1.76	0.76	0.58	0.18
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Worker	1.49	16.5	5.69	1.33
Vendor	1.89	0.78	0.58	0.18
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	1.05	14.8	4.04	0.95
Vendor	1.31	0.54	0.41	0.13
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—

Worker	0.19	2.70	0.74	0.17
Vendor	0.24	0.10	0.08	0.02
Hauling	0.00	0.00	0.00	0.00

3.15. Building Construction (2031) - Unmitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	8.12	12.8	0.24	0.22
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Off-Road Equipment	0.64	1.01	0.02	0.02
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	0.12	0.18	< 0.005	< 0.005
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Daily, Winter (Max)	—	—	—	—
Worker	1.31	15.4	5.69	1.33
Vendor	1.82	0.76	0.58	0.18
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	0.10	1.51	0.44	0.10
Vendor	0.14	0.06	0.05	0.01

Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.02	0.28	0.08	0.02
Vendor	0.03	0.01	0.01	< 0.005
Hauling	0.00	0.00	0.00	0.00

3.16. Building Construction (2031) - Mitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	8.12	12.8	0.24	0.22
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Off-Road Equipment	0.64	1.01	0.02	0.02
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	0.12	0.18	< 0.005	< 0.005
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Daily, Winter (Max)	—	—	—	—
Worker	1.31	15.4	5.69	1.33
Vendor	1.82	0.76	0.58	0.18
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—

Worker	0.10	1.51	0.44	0.10
Vendor	0.14	0.06	0.05	0.01
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.02	0.28	0.08	0.02
Vendor	0.03	0.01	0.01	< 0.005
Hauling	0.00	0.00	0.00	0.00

3.17. Paving (2031) - Unmitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	6.13	9.88	0.21	0.19
Paving	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	6.13	9.88	0.21	0.19
Paving	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Off-Road Equipment	1.26	2.03	0.04	0.04
Paving	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	0.23	0.37	0.01	0.01
Paving	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Worker	0.04	0.94	0.20	0.05
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Worker	0.04	0.53	0.20	0.05
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	0.01	0.14	0.04	0.01
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	< 0.005	0.02	0.01	< 0.005
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00

3.18. Paving (2031) - Mitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	6.13	9.88	0.21	0.19
Paving	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	6.13	9.88	0.21	0.19
Paving	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Off-Road Equipment	1.26	2.03	0.04	0.04
Paving	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	0.23	0.37	0.01	0.01
Paving	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Worker	0.04	0.94	0.20	0.05
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Worker	0.04	0.53	0.20	0.05
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	0.01	0.14	0.04	0.01
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	< 0.005	0.02	0.01	< 0.005

Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00

3.19. Architectural Coating (2031) - Unmitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	0.78	1.10	0.01	0.01
Architectural Coatings	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Average Daily	—	—	—	—
Off-Road Equipment	0.16	0.23	< 0.005	< 0.005
Architectural Coatings	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	0.03	0.04	< 0.005	< 0.005
Architectural Coatings	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Worker	0.26	5.47	1.14	0.27
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Average Daily	—	—	—	—

Worker	0.05	0.79	0.23	0.05
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.01	0.14	0.04	0.01
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00

3.20. Architectural Coating (2031) - Mitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	0.78	1.10	0.01	0.01
Architectural Coatings	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Average Daily	—	—	—	—
Off-Road Equipment	0.16	0.23	< 0.005	< 0.005
Architectural Coatings	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	0.03	0.04	< 0.005	< 0.005
Architectural Coatings	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—

Worker	0.26	5.47	1.14	0.27
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Average Daily	—	—	—	—
Worker	0.05	0.79	0.23	0.05
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.01	0.14	0.04	0.01
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00

4. Operations Emissions Details

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	NOx	CO	PM10T	PM2.5T
Daily, Summer (Max)	—	—	—	—
Total	—	—	—	—
Daily, Winter (Max)	—	—	—	—
Total	—	—	—	—
Annual	—	—	—	—
Total	—	—	—	—

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

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

Land Use	NOx	CO	PM10T	PM2.5T
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	NOx	CO	PM10T	PM2.5T
Daily, Summer (Max)	—	—	—	—
Avoided	—	—	—	—
Subtotal	—	—	—	—
Sequestered	—	—	—	—
Subtotal	—	—	—	—
Removed	—	—	—	—
Subtotal	—	—	—	—
—	—	—	—	—
Daily, Winter (Max)	—	—	—	—
Avoided	—	—	—	—
Subtotal	—	—	—	—
Sequestered	—	—	—	—
Subtotal	—	—	—	—
Removed	—	—	—	—

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

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

Vegetation	NOx	CO	PM10T	PM2.5T
Daily, Summer (Max)	—	—	—	—
Total	—	—	—	—
Daily, Winter (Max)	—	—	—	—
Total	—	—	—	—
Annual	—	—	—	—
Total	—	—	—	—

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

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

Land Use	NOx	CO	PM10T	PM2.5T
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	NOx	CO	PM10T	PM2.5T
Daily, Summer (Max)	—	—	—	—
Avoided	—	—	—	—
Subtotal	—	—	—	—
Sequestered	—	—	—	—
Subtotal	—	—	—	—
Removed	—	—	—	—
Subtotal	—	—	—	—
—	—	—	—	—
Daily, Winter (Max)	—	—	—	—
Avoided	—	—	—	—
Subtotal	—	—	—	—
Sequestered	—	—	—	—
Subtotal	—	—	—	—
Removed	—	—	—	—
Subtotal	—	—	—	—
—	—	—	—	—
Annual	—	—	—	—
Avoided	—	—	—	—
Subtotal	—	—	—	—
Sequestered	—	—	—	—

Subtotal	—	—	—	—
Removed	—	—	—	—
Subtotal	—	—	—	—
—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	4/10/2026	6/5/2026	5.00	40.0	—
Grading	Grading	6/6/2026	11/7/2026	5.00	110	—
Building Construction	Building Construction	11/8/2026	2/9/2031	5.00	1,110	—
Paving	Paving	2/10/2031	5/26/2031	5.00	75.0	—
Architectural Coating	Architectural Coating	5/27/2031	9/9/2031	5.00	75.0	—

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/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	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	Scrapers	Diesel	Average	2.00	8.00	423	0.48

Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	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/Backhoes	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/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	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	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	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/Backhoes	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	20.0	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	436	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	64.7	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	87.1	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	20.0	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	436	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	64.7	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	87.1	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

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	1,298,633	432,878	0.00	0.00	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	60.0	0.00	—
Grading	—	—	330	0.00	—
Paving	0.00	0.00	0.00	0.00	13.0

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Condo/Townhouse	13.0	80%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	457	0.03	< 0.005
2027	0.00	457	0.03	< 0.005
2028	0.00	457	0.03	< 0.005
2029	0.00	457	0.03	< 0.005
2030	0.00	457	0.03	< 0.005
2031	0.00	457	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

5.18.2.2. Mitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	21.5	annual days of extreme heat

Extreme Precipitation	0.50	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.23	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

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

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

6.3. Adjusted Climate Risk Scores

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

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	77.1
AQ-PM	7.31
AQ-DPM	9.38
Drinking Water	67.0
Lead Risk Housing	31.7
Pesticides	95.0

Toxic Releases	3.14
Traffic	6.09
Effect Indicators	—
CleanUp Sites	22.6
Groundwater	0.00
Haz Waste Facilities/Generators	35.6
Impaired Water Bodies	97.5
Solid Waste	83.3
Sensitive Population	—
Asthma	21.2
Cardio-vascular	47.3
Low Birth Weights	53.8
Socioeconomic Factor Indicators	—
Education	96.2
Housing	77.2
Linguistic	99.1
Poverty	95.5
Unemployment	93.8

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	2.527909663
Employed	8.956756063
Median HI	7.262928269
Education	—

Bachelor's or higher	24.75298345
High school enrollment	22.50737842
Preschool enrollment	7.814705505
Transportation	—
Auto Access	49.51879892
Active commuting	13.6147825
Social	—
2-parent households	34.82612601
Voting	66.44424484
Neighborhood	—
Alcohol availability	91.1587322
Park access	5.389452072
Retail density	5.864237136
Supermarket access	2.399589375
Tree canopy	8.404978827
Housing	—
Homeownership	77.35146927
Housing habitability	8.956756063
Low-inc homeowner severe housing cost burden	12.29308354
Low-inc renter severe housing cost burden	61.6963942
Uncrowded housing	15.89888361
Health Outcomes	—
Insured adults	2.463749519
Arthritis	0.0
Asthma ER Admissions	63.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0

Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	81.1
Cognitively Disabled	76.7
Physically Disabled	74.5
Heart Attack ER Admissions	49.3
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	39.9
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	16.3
Elderly	50.9
English Speaking	2.2
Foreign-born	93.3
Outdoor Workers	0.1
Climate Change Adaptive Capacity	—

Impervious Surface Cover	96.0
Traffic Density	2.2
Traffic Access	23.0
Other Indices	—
Hardship	97.8
Other Decision Support	—
2016 Voting	63.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	66.0
Healthy Places Index Score for Project Location (b)	6.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	EasternCoachellaValley

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification

Land Use	Alternative A in TRSP DEIR.
Construction: Construction Phases	No demo required. Uses CalEEMod default scheduler, assumes an approximate buildout of 2031.
Construction: Paving	Assumes 30% area is paved, of that 80% is asphalt for parking and internal roadways. Actual plans not yet available.

Thermal Ranch Specific Plan - Alternative A 2017 CAP Run Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Thermal Ranch Specific Plan - Alternative A 2017 CAP Run
Construction Start Date	1/1/2011
Operational Year	2017
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	8.80
Location	33.59088711062806, -116.17302750036589
County	Riverside-Salton Sea
City	Unincorporated
Air District	South Coast AQMD
Air Basin	Salton Sea
TAZ	5697
EDFZ	19
Electric Utility	Imperial Irrigation District
Gas Utility	Southern California Gas
App Version	2022.1.1.24

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

Hotel	300	Room	8.10	435,600	236,967	—	—	—
Regional Shopping Center	260	1000sqft	25.6	260,000	236,967	—	—	—
Condo/Townhouse	505	Dwelling Unit	42.1	535,300	236,967	—	1,631	—
Strip Mall	75.0	1000sqft	1.72	75,000	1,728,542	865,891	—	—
General Office Building	10.0	1000sqft	0.23	10,000	1,728,542	865,891	—	—
Unrefrigerated Warehouse-No Rail	598	1000sqft	182	598,000	1,728,542	865,891	—	—
Single Family Housing	993	Dwelling Unit	264	1,936,350	8,012,862	—	3,207	—
Mobile Home Park	500	Dwelling Unit	18.3	158,530	358,063	—	1,615	—
Mobile Home Park	320	Dwelling Unit	22.8	160,000	358,063	—	1,034	—
User Defined Industrial	1.00	User Defined Unit	13.6	20,867	0.00	—	—	—
Parking Lot	4,302	Space	38.7	0.00	0.00	—	—	—
Other Asphalt Surfaces	15.3	Acre	15.3	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-7	Use Oxidation Catalyst
Construction	C-9	Use Dust Suppressants
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Construction	C-12	Sweep Paved Roads
Transportation	T-14*	Provide Electric Vehicle Charging Infrastructure
Transportation	T-34*	Provide Bike Parking
Transportation	T-53*	Electrify Loading Docks

Energy	E-2	Require Energy Efficient Appliances
Energy	E-7*	Require Higher Efficacy Public Street and Area Lighting
Energy	E-10-B	Establish Onsite Renewable Energy Systems: Solar Power
Water	W-5	Design Water-Efficient Landscapes
Area Sources	AS-1	Use Low-VOC Cleaning Supplies

* 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.	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Unmit.	86.7	180	662	0.16	40.1	14.2	221	62,192
Mit.	86.7	173	662	0.16	40.1	14.2	221	62,192
% Reduced	—	4%	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Unmit.	80.9	190	428	0.16	40.1	14.3	5.72	55,487
Mit.	80.9	183	428	0.16	40.1	14.3	5.72	55,487
% Reduced	—	4%	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—
Unmit.	55.6	124	331	0.11	27.8	9.69	68.1	41,084
Mit.	55.6	119	331	0.11	27.8	9.69	68.1	41,084
% Reduced	—	4%	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—
Unmit.	10.1	22.7	60.3	0.02	5.06	1.77	11.3	6,802
Mit.	10.1	21.8	60.3	0.02	5.06	1.77	11.3	6,802

% Reduced	—	4%	—	—	—	—	—	—
Exceeds (Daily Max)	—	—	—	—	—	—	—	—
Threshold	75.0	100	550	150	150	55.0	—	—
Unmit.	Yes	Yes	Yes	No	No	No	—	—
Mit.	Yes	Yes	Yes	No	No	No	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—
Threshold	75.0	100	550	150	150	55.0	—	—
Unmit.	No	Yes	No	No	No	No	—	—
Mit.	No	Yes	No	No	No	No	—	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—
2011	14.5	164	122	0.11	19.9	12.9	3.45	12,864
2012	36.8	180	613	0.14	36.0	13.7	190	56,150
2013	86.7	171	662	0.15	40.1	14.2	221	62,192
2014	82.0	153	587	0.15	39.0	13.2	221	61,494
2015	78.2	141	526	0.16	38.6	12.8	221	60,990
2016	75.7	126	480	0.16	38.1	12.3	221	60,422
2017	74.2	114	443	0.16	37.5	11.8	221	59,859
Daily - Winter (Max)	—	—	—	—	—	—	—	—
2011	14.4	164	117	0.11	19.9	12.9	0.11	12,749
2012	32.0	190	401	0.14	36.1	13.7	4.94	50,643
2013	80.9	182	428	0.15	40.1	14.3	5.70	55,487
2014	76.8	164	374	0.15	39.0	13.2	5.72	54,945

2015	73.3	148	334	0.16	38.6	12.8	5.72	54,535
2016	71.0	133	304	0.16	38.1	12.3	5.72	54,129
2017	69.8	120	280	0.16	37.5	11.8	5.71	53,683
Average Daily	—	—	—	—	—	—	—	—
2011	8.01	90.5	66.1	0.06	11.2	7.29	0.91	6,983
2012	15.7	107	196	0.08	17.2	7.70	30.0	22,272
2013	40.3	124	331	0.10	26.8	9.69	63.3	39,230
2014	55.6	114	315	0.10	27.8	9.38	67.9	41,084
2015	53.8	104	282	0.11	27.4	9.09	67.9	40,778
2016	52.2	93.4	258	0.11	27.2	8.74	68.1	40,543
2017	46.3	77.1	218	0.10	24.5	7.71	62.3	36,777
Annual	—	—	—	—	—	—	—	—
2011	1.46	16.5	12.1	0.01	2.05	1.33	0.15	1,156
2012	2.86	19.6	35.7	0.01	3.14	1.41	4.97	3,687
2013	7.36	22.7	60.3	0.02	4.88	1.77	10.5	6,495
2014	10.1	20.8	57.5	0.02	5.06	1.71	11.2	6,802
2015	9.81	18.9	51.4	0.02	5.01	1.66	11.2	6,751
2016	9.54	17.0	47.0	0.02	4.96	1.60	11.3	6,712
2017	8.46	14.1	39.7	0.02	4.47	1.41	10.3	6,089

2.3. Construction Emissions by Year, Mitigated

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

Year	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—
2011	14.5	140	122	0.11	19.9	12.9	3.45	12,864
2012	36.8	173	613	0.14	36.0	13.7	190	56,150

2013	86.7	164	662	0.15	40.1	14.2	221	62,192
2014	82.0	147	587	0.15	39.0	13.2	221	61,494
2015	78.2	134	526	0.16	38.6	12.8	221	60,990
2016	75.7	120	480	0.16	38.1	12.3	221	60,422
2017	74.2	108	443	0.16	37.5	11.8	221	59,859
Daily - Winter (Max)	—	—	—	—	—	—	—	—
2011	14.4	140	117	0.11	19.9	12.9	0.11	12,749
2012	32.0	183	401	0.14	36.1	13.7	4.94	50,643
2013	80.9	175	428	0.15	40.1	14.3	5.70	55,487
2014	76.8	157	374	0.15	39.0	13.2	5.72	54,945
2015	73.3	142	334	0.16	38.6	12.8	5.72	54,535
2016	71.0	127	304	0.16	38.1	12.3	5.72	54,129
2017	69.8	115	280	0.16	37.5	11.8	5.71	53,683
Average Daily	—	—	—	—	—	—	—	—
2011	8.01	77.2	66.1	0.06	11.2	7.29	0.91	6,983
2012	15.7	98.7	196	0.08	17.2	7.70	30.0	22,272
2013	40.3	119	331	0.10	26.8	9.69	63.3	39,230
2014	55.6	109	315	0.10	27.8	9.38	67.9	41,084
2015	53.8	99.1	282	0.11	27.4	9.09	67.9	40,778
2016	52.2	89.0	258	0.11	27.2	8.74	68.1	40,543
2017	46.3	73.5	218	0.10	24.5	7.71	62.3	36,777
Annual	—	—	—	—	—	—	—	—
2011	1.46	14.1	12.1	0.01	2.05	1.33	0.15	1,156
2012	2.86	18.0	35.7	0.01	3.14	1.41	4.97	3,687
2013	7.36	21.8	60.3	0.02	4.88	1.77	10.5	6,495
2014	10.1	19.9	57.5	0.02	5.06	1.71	11.2	6,802
2015	9.81	18.1	51.4	0.02	5.01	1.66	11.2	6,751

2016	9.54	16.2	47.0	0.02	4.96	1.60	11.3	6,712
2017	8.46	13.4	39.7	0.02	4.47	1.41	10.3	6,089

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Unmit.	338	316	2,358	3.22	216	59.9	2,081	413,743
Mit.	332	316	2,358	3.22	216	59.9	2,081	405,439
% Reduced	2%	—	—	—	—	—	—	2%
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Unmit.	259	338	1,465	2.84	215	59.8	738	375,120
Mit.	253	338	1,465	2.84	215	59.8	738	366,816
% Reduced	3%	—	—	—	—	—	—	2%
Average Daily (Max)	—	—	—	—	—	—	—	—
Unmit.	263	272	1,510	2.50	181	50.0	1,208	330,069
Mit.	256	272	1,510	2.50	181	50.0	1,208	321,765
% Reduced	3%	—	—	—	—	—	—	3%
Annual (Max)	—	—	—	—	—	—	—	—
Unmit.	47.9	49.7	276	0.46	33.1	9.13	200	54,647
Mit.	46.7	49.7	276	0.46	33.1	9.13	200	53,272
% Reduced	3%	—	—	—	—	—	—	3%
Exceeds (Daily Max)	—	—	—	—	—	—	—	—
Threshold	55.0	55.0	550	150	150	55.0	—	—
Unmit.	Yes	Yes	Yes	No	Yes	Yes	—	—
Mit.	Yes	Yes	Yes	No	Yes	Yes	—	—

Exceeds (Average Daily)	—	—	—	—	—	—	—	—
Threshold	55.0	55.0	550	150	150	55.0	—	—
Unmit.	Yes	Yes	Yes	No	Yes	No	—	—
Mit.	Yes	Yes	Yes	No	Yes	No	—	—

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Mobile	212	282	2,152	3.00	213	57.2	1,378	313,015
Area	125	14.5	196	0.09	1.24	1.18	—	18,326
Energy	1.12	19.5	10.2	0.12	1.55	1.55	—	70,805
Water	—	—	—	—	—	—	—	5,282
Waste	—	—	—	—	—	—	—	5,612
Refrig.	—	—	—	—	—	—	703	703
Total	338	316	2,358	3.22	216	59.9	2,081	413,743
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Mobile	159	307	1,450	2.64	213	57.2	35.7	274,996
Area	99.1	12.4	5.29	0.08	1.00	1.00	—	17,722
Energy	1.12	19.5	10.2	0.12	1.55	1.55	—	70,805
Water	—	—	—	—	—	—	—	5,282
Waste	—	—	—	—	—	—	—	5,612
Refrig.	—	—	—	—	—	—	703	703
Total	259	338	1,465	2.84	215	59.8	738	375,120
Average Daily	—	—	—	—	—	—	—	—
Mobile	150	251	1,405	2.36	180	48.3	505	246,155

Area	111	1.86	94.2	0.01	0.18	0.16	—	1,512
Energy	1.12	19.5	10.2	0.12	1.55	1.55	—	70,805
Water	—	—	—	—	—	—	—	5,282
Waste	—	—	—	—	—	—	—	5,612
Refrig.	—	—	—	—	—	—	703	703
Total	263	272	1,510	2.50	181	50.0	1,208	330,069
Annual	—	—	—	—	—	—	—	—
Mobile	27.4	45.8	256	0.43	32.8	8.81	83.6	40,754
Area	20.3	0.34	17.2	< 0.005	0.03	0.03	—	250
Energy	0.21	3.56	1.87	0.02	0.28	0.28	—	11,723
Water	—	—	—	—	—	—	—	875
Waste	—	—	—	—	—	—	—	929
Refrig.	—	—	—	—	—	—	116	116
Total	47.9	49.7	276	0.46	33.1	9.13	200	54,647

2.6. Operations Emissions by Sector, Mitigated

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

Sector	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Mobile	212	282	2,152	3.00	213	57.2	1,378	313,015
Area	118	14.5	196	0.09	1.24	1.18	—	18,326
Energy	1.12	19.5	10.2	0.12	1.55	1.55	—	62,551
Water	—	—	—	—	—	—	—	5,233
Waste	—	—	—	—	—	—	—	5,612
Refrig.	—	—	—	—	—	—	703	703
Total	332	316	2,358	3.22	216	59.9	2,081	405,439
Daily, Winter (Max)	—	—	—	—	—	—	—	—

Mobile	159	307	1,450	2.64	213	57.2	35.7	274,996
Area	92.4	12.4	5.29	0.08	1.00	1.00	—	17,722
Energy	1.12	19.5	10.2	0.12	1.55	1.55	—	62,551
Water	—	—	—	—	—	—	—	5,233
Waste	—	—	—	—	—	—	—	5,612
Refrig.	—	—	—	—	—	—	703	703
Total	253	338	1,465	2.84	215	59.8	738	366,816
Average Daily	—	—	—	—	—	—	—	—
Mobile	150	251	1,405	2.36	180	48.3	505	246,155
Area	104	1.86	94.2	0.01	0.18	0.16	—	1,512
Energy	1.12	19.5	10.2	0.12	1.55	1.55	—	62,551
Water	—	—	—	—	—	—	—	5,233
Waste	—	—	—	—	—	—	—	5,612
Refrig.	—	—	—	—	—	—	703	703
Total	256	272	1,510	2.50	181	50.0	1,208	321,765
Annual	—	—	—	—	—	—	—	—
Mobile	27.4	45.8	256	0.43	32.8	8.81	83.6	40,754
Area	19.1	0.34	17.2	< 0.005	0.03	0.03	—	250
Energy	0.21	3.56	1.87	0.02	0.28	0.28	—	10,356
Water	—	—	—	—	—	—	—	866
Waste	—	—	—	—	—	—	—	929
Refrig.	—	—	—	—	—	—	116	116
Total	46.7	49.7	276	0.46	33.1	9.13	200	53,272

3. Construction Emissions Details

3.1. Demolition (2011) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	5.00	49.1	38.0	0.03	2.49	2.29	—	3,419
Demolition	—	—	—	—	1.18	0.18	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	4.04	3.12	< 0.005	0.21	0.19	—	281
Demolition	—	—	—	—	0.10	0.01	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.74	0.57	< 0.005	0.04	0.03	—	46.5
Demolition	—	—	—	—	0.02	< 0.005	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.17	0.33	2.83	0.00	0.20	0.05	0.03	244
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.77	13.0	3.11	0.02	0.92	0.61	0.08	1,592
Average Daily	—	—	—	—	—	—	—	—
Worker	0.01	0.03	0.28	0.00	0.02	< 0.005	0.04	21.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.06	1.06	0.25	< 0.005	0.08	0.05	0.11	131
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	< 0.005	< 0.005	0.01	3.57

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.19	0.05	< 0.005	0.01	0.01	0.02	21.7

3.2. Demolition (2011) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	5.00	41.8	38.0	0.03	2.49	2.29	—	3,419
Demolition	—	—	—	—	1.18	0.18	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	3.43	3.12	< 0.005	0.21	0.19	—	281
Demolition	—	—	—	—	0.10	0.01	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.63	0.57	< 0.005	0.04	0.03	—	46.5
Demolition	—	—	—	—	0.02	< 0.005	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.17	0.33	2.83	0.00	0.20	0.05	0.03	244
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.77	13.0	3.11	0.02	0.92	0.61	0.08	1,592
Average Daily	—	—	—	—	—	—	—	—

Worker	0.01	0.03	0.28	0.00	0.02	< 0.005	0.04	21.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.06	1.06	0.25	< 0.005	0.08	0.05	0.11	131
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	< 0.005	< 0.005	0.01	3.57
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.19	0.05	< 0.005	0.01	0.01	0.02	21.7

3.3. Site Preparation (2011) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	6.78	77.3	56.3	0.05	3.98	3.66	—	5,283
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	6.78	77.3	56.3	0.05	3.98	3.66	—	5,283
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	4.28	48.8	35.6	0.03	2.52	2.32	—	3,339
Dust From Material Movement	—	—	—	—	4.85	2.49	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—

Off-Road Equipment	0.78	8.91	6.49	0.01	0.46	0.42	—	553
Dust From Material Movement	—	—	—	—	0.88	0.45	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.25	0.34	5.36	0.00	0.23	0.05	1.38	339
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.20	0.38	3.30	0.00	0.23	0.05	0.04	285
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.13	0.23	2.49	0.00	0.14	0.03	0.38	193
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.04	0.45	0.00	0.03	0.01	0.06	32.0
Vendor	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

3.4. Site Preparation (2011) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Off-Road Equipment	6.78	65.7	56.3	0.05	3.98	3.66	—	5,283
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	6.78	65.7	56.3	0.05	3.98	3.66	—	5,283
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	4.28	41.5	35.6	0.03	2.52	2.32	—	3,339
Dust From Material Movement	—	—	—	—	4.85	2.49	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	7.58	6.49	0.01	0.46	0.42	—	553
Dust From Material Movement	—	—	—	—	0.88	0.45	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.25	0.34	5.36	0.00	0.23	0.05	1.38	339
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.20	0.38	3.30	0.00	0.23	0.05	0.04	285
Vendor	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
Average Daily	—	—	—	—	—	—	—	—

Worker	0.13	0.23	2.49	0.00	0.14	0.03	0.38	193
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.04	0.45	0.00	0.03	0.01	0.06	32.0
Vendor	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

3.5. Site Preparation (2012) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	6.82	77.2	56.3	0.05	3.99	3.67	—	5,285
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	9.21	6.72	0.01	0.48	0.44	—	631
Dust From Material Movement	—	—	—	—	0.92	0.47	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	1.68	1.23	< 0.005	0.09	0.08	—	104
Dust From Material Movement	—	—	—	—	0.17	0.09	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.19	0.36	3.11	0.00	0.23	0.05	0.04	283
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.02	0.04	0.44	0.00	0.03	0.01	0.07	36.2
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.08	0.00	< 0.005	< 0.005	0.01	6.00
Vendor	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

3.6. Site Preparation (2012) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	6.82	65.6	56.3	0.05	3.99	3.67	—	5,285
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	7.83	6.72	0.01	0.48	0.44	—	631

Dust From Material Movement	—	—	—	—	0.92	0.47	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	1.43	1.23	< 0.005	0.09	0.08	—	104
Dust From Material Movement	—	—	—	—	0.17	0.09	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.19	0.36	3.11	0.00	0.23	0.05	0.04	283
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.02	0.04	0.44	0.00	0.03	0.01	0.07	36.2
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.08	0.00	< 0.005	< 0.005	0.01	6.00
Vendor	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

3.7. Grading (2011) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Off-Road Equipment	7.06	84.2	53.3	0.06	3.98	3.66	—	6,605
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	7.06	84.2	53.3	0.06	3.98	3.66	—	6,605
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	2.96	35.3	22.3	0.03	1.67	1.53	—	2,766
Dust From Material Movement	—	—	—	—	1.50	0.60	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.54	6.44	4.07	< 0.005	0.30	0.28	—	458
Dust From Material Movement	—	—	—	—	0.27	0.11	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.28	0.39	6.13	0.00	0.26	0.06	1.57	387
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.12	1.91	0.49	< 0.005	0.14	0.10	0.50	251
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.23	0.44	3.77	0.00	0.26	0.06	0.04	326
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.12	2.04	0.49	< 0.005	0.14	0.10	0.01	250
Average Daily	—	—	—	—	—	—	—	—

Worker	0.10	0.17	1.88	0.00	0.11	0.03	0.29	146
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.84	0.20	< 0.005	0.06	0.04	0.09	105
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.34	0.00	0.02	< 0.005	0.05	24.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.15	0.04	< 0.005	0.01	0.01	0.01	17.4

3.8. Grading (2011) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	7.06	71.6	53.3	0.06	3.98	3.66	—	6,605
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	7.06	71.6	53.3	0.06	3.98	3.66	—	6,605
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	2.96	30.0	22.3	0.03	1.67	1.53	—	2,766
Dust From Material Movement	—	—	—	—	1.50	0.60	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—

Off-Road Equipment	0.54	5.47	4.07	< 0.005	0.30	0.28	—	458
Dust From Material Movement	—	—	—	—	0.27	0.11	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.28	0.39	6.13	0.00	0.26	0.06	1.57	387
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.12	1.91	0.49	< 0.005	0.14	0.10	0.50	251
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.23	0.44	3.77	0.00	0.26	0.06	0.04	326
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.12	2.04	0.49	< 0.005	0.14	0.10	0.01	250
Average Daily	—	—	—	—	—	—	—	—
Worker	0.10	0.17	1.88	0.00	0.11	0.03	0.29	146
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.84	0.20	< 0.005	0.06	0.04	0.09	105
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.34	0.00	0.02	< 0.005	0.05	24.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.15	0.04	< 0.005	0.01	0.01	0.01	17.4

3.9. Grading (2012) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Off-Road Equipment	7.13	84.2	53.5	0.06	3.99	3.67	—	6,605
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	7.13	84.2	53.5	0.06	3.99	3.67	—	6,605
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	2.54	30.0	19.1	0.02	1.42	1.31	—	2,352
Dust From Material Movement	—	—	—	—	1.28	0.51	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	5.47	3.48	< 0.005	0.26	0.24	—	389
Dust From Material Movement	—	—	—	—	0.23	0.09	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.27	0.37	5.80	0.00	0.26	0.06	1.57	381
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	1.72	0.43	< 0.005	0.14	0.09	0.50	250
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.22	0.41	3.56	0.00	0.26	0.06	0.04	323
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	1.84	0.44	< 0.005	0.14	0.09	0.01	249
Average Daily	—	—	—	—	—	—	—	—

Worker	0.08	0.14	1.51	0.00	0.09	0.02	0.24	124
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.04	0.65	0.15	< 0.005	0.05	0.03	0.08	88.9
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.28	0.00	0.02	< 0.005	0.04	20.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.12	0.03	< 0.005	0.01	0.01	0.01	14.7

3.10. Grading (2012) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	7.13	71.5	53.5	0.06	3.99	3.67	—	6,605
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	7.13	71.5	53.5	0.06	3.99	3.67	—	6,605
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	2.54	25.5	19.1	0.02	1.42	1.31	—	2,352
Dust From Material Movement	—	—	—	—	1.28	0.51	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—

Off-Road Equipment	0.46	4.65	3.48	< 0.005	0.26	0.24	—	389
Dust From Material Movement	—	—	—	—	0.23	0.09	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.27	0.37	5.80	0.00	0.26	0.06	1.57	381
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	1.72	0.43	< 0.005	0.14	0.09	0.50	250
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.22	0.41	3.56	0.00	0.26	0.06	0.04	323
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	1.84	0.44	< 0.005	0.14	0.09	0.01	249
Average Daily	—	—	—	—	—	—	—	—
Worker	0.08	0.14	1.51	0.00	0.09	0.02	0.24	124
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.04	0.65	0.15	< 0.005	0.05	0.03	0.08	88.9
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.28	0.00	0.02	< 0.005	0.04	20.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.12	0.03	< 0.005	0.01	0.01	0.01	14.7

3.11. Building Construction (2012) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Off-Road Equipment	3.22	28.3	18.4	0.02	1.90	1.74	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.22	28.3	18.4	0.02	1.90	1.74	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.16	10.2	6.61	0.01	0.68	0.63	—	866
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	1.86	1.21	< 0.005	0.12	0.11	—	143
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	24.9	34.3	541	0.00	24.4	5.71	147	35,540
Vendor	6.09	98.2	37.6	0.11	8.12	4.84	42.0	16,398
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	20.1	38.2	332	0.00	24.4	5.71	3.82	30,153
Vendor	6.05	105	37.1	0.11	8.14	4.85	1.09	16,322
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	7.88	12.9	143	0.00	8.73	2.04	22.9	11,643
Vendor	2.18	37.3	13.3	0.04	2.92	1.74	6.52	5,890
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	1.44	2.35	26.1	0.00	1.59	0.37	3.79	1,928
Vendor	0.40	6.82	2.43	0.01	0.53	0.32	1.08	975

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Construction (2012) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.22	24.1	18.4	0.02	1.90	1.74	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.22	24.1	18.4	0.02	1.90	1.74	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.16	8.67	6.61	0.01	0.68	0.63	—	866
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	1.58	1.21	< 0.005	0.12	0.11	—	143
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	24.9	34.3	541	0.00	24.4	5.71	147	35,540
Vendor	6.09	98.2	37.6	0.11	8.12	4.84	42.0	16,398
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	20.1	38.2	332	0.00	24.4	5.71	3.82	30,153
Vendor	6.05	105	37.1	0.11	8.14	4.85	1.09	16,322
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—
Worker	7.88	12.9	143	0.00	8.73	2.04	22.9	11,643
Vendor	2.18	37.3	13.3	0.04	2.92	1.74	6.52	5,890
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	1.44	2.35	26.1	0.00	1.59	0.37	3.79	1,928
Vendor	0.40	6.82	2.43	0.01	0.53	0.32	1.08	975
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Building Construction (2013) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.06	27.2	17.9	0.02	1.81	1.66	—	2,404
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.06	27.2	17.9	0.02	1.81	1.66	—	2,404
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	2.19	19.5	12.8	0.02	1.29	1.19	—	1,717
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	3.55	2.34	< 0.005	0.24	0.22	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Worker	23.3	31.1	496	0.00	24.4	5.71	148	34,820
Vendor	5.17	87.7	32.5	0.11	7.35	4.29	42.0	16,069
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	18.6	34.9	302	0.00	24.4	5.71	3.82	29,332
Vendor	5.01	93.8	32.0	0.11	7.36	4.30	1.09	15,994
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	14.0	23.2	258	0.00	17.3	4.06	45.4	22,482
Vendor	3.65	66.1	22.8	0.08	5.24	3.06	12.9	11,449
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	2.56	4.23	47.1	0.00	3.16	0.74	7.52	3,722
Vendor	0.67	12.1	4.16	0.01	0.96	0.56	2.14	1,895
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Building Construction (2013) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.06	23.2	17.9	0.02	1.81	1.66	—	2,404
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.06	23.2	17.9	0.02	1.81	1.66	—	2,404
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—

Off-Road Equipment	2.19	16.5	12.8	0.02	1.29	1.19	—	1,717
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	3.02	2.34	< 0.005	0.24	0.22	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	23.3	31.1	496	0.00	24.4	5.71	148	34,820
Vendor	5.17	87.7	32.5	0.11	7.35	4.29	42.0	16,069
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	18.6	34.9	302	0.00	24.4	5.71	3.82	29,332
Vendor	5.01	93.8	32.0	0.11	7.36	4.30	1.09	15,994
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	14.0	23.2	258	0.00	17.3	4.06	45.4	22,482
Vendor	3.65	66.1	22.8	0.08	5.24	3.06	12.9	11,449
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	2.56	4.23	47.1	0.00	3.16	0.74	7.52	3,722
Vendor	0.67	12.1	4.16	0.01	0.96	0.56	2.14	1,895
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Building Construction (2014) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.89	26.1	17.5	0.02	1.71	1.57	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.89	26.1	17.5	0.02	1.71	1.57	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	2.07	18.6	12.5	0.02	1.22	1.12	—	1,717
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	3.40	2.28	< 0.005	0.22	0.21	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	20.8	27.1	439	0.00	24.4	5.71	148	34,144
Vendor	3.81	77.0	26.5	0.11	6.47	3.41	42.0	16,188
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	16.5	30.9	263	0.00	24.4	5.71	3.83	28,782
Vendor	3.75	82.4	26.1	0.11	6.49	3.42	1.09	16,117
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	12.4	20.3	227	0.00	17.3	4.06	45.5	22,059
Vendor	2.69	58.1	18.6	0.08	4.62	2.43	12.9	11,537
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	2.27	3.71	41.5	0.00	3.16	0.74	7.54	3,652

Vendor	0.49	10.6	3.39	0.01	0.84	0.44	2.14	1,910
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Building Construction (2014) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.89	22.2	17.5	0.02	1.71	1.57	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.89	22.2	17.5	0.02	1.71	1.57	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	2.07	15.8	12.5	0.02	1.22	1.12	—	1,717
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	2.89	2.28	< 0.005	0.22	0.21	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	20.8	27.1	439	0.00	24.4	5.71	148	34,144
Vendor	3.81	77.0	26.5	0.11	6.47	3.41	42.0	16,188
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	16.5	30.9	263	0.00	24.4	5.71	3.83	28,782
Vendor	3.75	82.4	26.1	0.11	6.49	3.42	1.09	16,117

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	12.4	20.3	227	0.00	17.3	4.06	45.5	22,059
Vendor	2.69	58.1	18.6	0.08	4.62	2.43	12.9	11,537
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	2.27	3.71	41.5	0.00	3.16	0.74	7.54	3,652
Vendor	0.49	10.6	3.39	0.01	0.84	0.44	2.14	1,910
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Building Construction (2015) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.78	25.3	17.3	0.02	1.65	1.51	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.78	25.3	17.3	0.02	1.65	1.51	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.99	18.1	12.4	0.02	1.18	1.08	—	1,717
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	3.30	2.26	< 0.005	0.21	0.20	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	18.3	24.6	391	0.00	24.4	5.71	148	33,672
Vendor	3.27	68.2	24.2	0.12	6.15	3.09	42.0	16,256
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	14.2	26.9	232	0.00	24.4	5.71	3.83	28,387
Vendor	3.21	73.1	23.9	0.12	6.15	3.09	1.09	16,185
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	11.3	18.0	201	0.00	17.3	4.06	45.5	21,766
Vendor	2.31	51.5	16.9	0.08	4.38	2.20	12.9	11,586
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	2.07	3.29	36.7	0.00	3.16	0.74	7.54	3,604
Vendor	0.42	9.39	3.08	0.02	0.80	0.40	2.14	1,918
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.18. Building Construction (2015) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.78	21.5	17.3	0.02	1.65	1.51	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.78	21.5	17.3	0.02	1.65	1.51	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.99	15.4	12.4	0.02	1.18	1.08	—	1,717
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	2.81	2.26	< 0.005	0.21	0.20	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	18.3	24.6	391	0.00	24.4	5.71	148	33,672
Vendor	3.27	68.2	24.2	0.12	6.15	3.09	42.0	16,256
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	14.2	26.9	232	0.00	24.4	5.71	3.83	28,387
Vendor	3.21	73.1	23.9	0.12	6.15	3.09	1.09	16,185
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	11.3	18.0	201	0.00	17.3	4.06	45.5	21,766
Vendor	2.31	51.5	16.9	0.08	4.38	2.20	12.9	11,586
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	2.07	3.29	36.7	0.00	3.16	0.74	7.54	3,604
Vendor	0.42	9.39	3.08	0.02	0.80	0.40	2.14	1,918
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.19. Building Construction (2016) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e

Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.60	23.8	16.8	0.02	1.53	1.41	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.60	23.8	16.8	0.02	1.53	1.41	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.86	17.1	12.1	0.02	1.10	1.01	—	1,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	3.12	2.20	< 0.005	0.20	0.18	—	285
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	16.8	22.1	356	0.00	24.4	5.71	148	33,079
Vendor	2.81	59.4	21.4	0.12	5.82	2.76	42.0	16,404
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	13.0	24.4	210	0.00	24.4	5.71	3.83	27,923
Vendor	2.77	63.5	21.2	0.12	5.83	2.77	1.09	16,341
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	10.4	16.3	183	0.00	17.4	4.07	45.6	21,450
Vendor	1.99	44.8	15.1	0.08	4.16	1.97	13.0	11,725
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—

Worker	1.91	2.97	33.5	0.00	3.17	0.74	7.56	3,551
Vendor	0.36	8.18	2.76	0.02	0.76	0.36	2.15	1,941
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.20. Building Construction (2016) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.60	20.3	16.8	0.02	1.53	1.41	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.60	20.3	16.8	0.02	1.53	1.41	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.86	14.5	12.1	0.02	1.10	1.01	—	1,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	2.65	2.20	< 0.005	0.20	0.18	—	285
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	16.8	22.1	356	0.00	24.4	5.71	148	33,079
Vendor	2.81	59.4	21.4	0.12	5.82	2.76	42.0	16,404
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	13.0	24.4	210	0.00	24.4	5.71	3.83	27,923

Vendor	2.77	63.5	21.2	0.12	5.83	2.77	1.09	16,341
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	10.4	16.3	183	0.00	17.4	4.07	45.6	21,450
Vendor	1.99	44.8	15.1	0.08	4.16	1.97	13.0	11,725
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	1.91	2.97	33.5	0.00	3.17	0.74	7.56	3,551
Vendor	0.36	8.18	2.76	0.02	0.76	0.36	2.15	1,941
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.21. Building Construction (2017) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.40	22.3	16.3	0.02	1.40	1.29	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.40	22.3	16.3	0.02	1.40	1.29	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.57	14.6	10.7	0.02	0.92	0.84	—	1,575
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	2.67	1.95	< 0.005	0.17	0.15	—	261
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	16.3	19.7	328	0.00	24.4	5.71	148	32,619
Vendor	2.37	52.6	18.7	0.12	5.50	2.54	42.0	16,398
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	12.7	22.0	193	0.00	24.4	5.71	3.83	27,554
Vendor	2.33	56.3	18.6	0.12	5.50	2.54	1.09	16,340
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	8.79	13.3	155	0.00	15.9	3.72	41.8	19,361
Vendor	1.53	36.4	12.1	0.08	3.59	1.66	11.9	10,729
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	1.60	2.43	28.2	0.00	2.90	0.68	6.92	3,205
Vendor	0.28	6.64	2.21	0.01	0.66	0.30	1.97	1,776
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.22. Building Construction (2017) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.40	19.0	16.3	0.02	1.40	1.29	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.40	19.0	16.3	0.02	1.40	1.29	—	2,403

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.57	12.4	10.7	0.02	0.92	0.84	—	1,575
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	2.27	1.95	< 0.005	0.17	0.15	—	261
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	16.3	19.7	328	0.00	24.4	5.71	148	32,619
Vendor	2.37	52.6	18.7	0.12	5.50	2.54	42.0	16,398
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	12.7	22.0	193	0.00	24.4	5.71	3.83	27,554
Vendor	2.33	56.3	18.6	0.12	5.50	2.54	1.09	16,340
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	8.79	13.3	155	0.00	15.9	3.72	41.8	19,361
Vendor	1.53	36.4	12.1	0.08	3.59	1.66	11.9	10,729
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	1.60	2.43	28.2	0.00	2.90	0.68	6.92	3,205
Vendor	0.28	6.64	2.21	0.01	0.66	0.30	1.97	1,776
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.23. Paving (2012) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.36	18.4	11.5	0.01	1.46	1.34	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.36	18.4	11.5	0.01	1.46	1.34	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.85	6.63	4.13	0.01	0.53	0.48	—	548
Paving	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	1.21	0.75	< 0.005	0.10	0.09	—	90.7
Paving	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.20	0.28	4.35	0.00	0.20	0.05	1.18	286
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.16	0.31	2.67	0.00	0.20	0.05	0.03	243
Vendor	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

Average Daily	—	—	—	—	—	—	—	—
Worker	0.06	0.10	1.15	0.00	0.07	0.02	0.18	93.7
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.02	0.21	0.00	0.01	< 0.005	0.03	15.5
Vendor	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

3.24. Paving (2012) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.36	15.6	11.5	0.01	1.46	1.34	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.36	15.6	11.5	0.01	1.46	1.34	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.85	5.63	4.13	0.01	0.53	0.48	—	548
Paving	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	1.03	0.75	< 0.005	0.10	0.09	—	90.7

Paving	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.20	0.28	4.35	0.00	0.20	0.05	1.18	286
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.16	0.31	2.67	0.00	0.20	0.05	0.03	243
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.06	0.10	1.15	0.00	0.07	0.02	0.18	93.7
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.02	0.21	0.00	0.01	< 0.005	0.03	15.5
Vendor	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

3.25. Paving (2013) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.22	17.4	11.3	0.01	1.37	1.26	—	1,520
Paving	0.12	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.22	17.4	11.3	0.01	1.37	1.26	—	1,520
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.59	12.4	8.10	0.01	0.98	0.90	—	1,086
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	2.27	1.48	< 0.005	0.18	0.16	—	180
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.19	0.25	3.99	0.00	0.20	0.05	1.19	280
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.15	0.28	2.43	0.00	0.20	0.05	0.03	236
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.11	0.19	2.08	0.00	0.14	0.03	0.37	181
Vendor	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
Annual	—	—	—	—	—	—	—	—

Worker	0.02	0.03	0.38	0.00	0.03	0.01	0.06	29.9
Vendor	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

3.26. Paving (2013) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.22	14.8	11.3	0.01	1.37	1.26	—	1,520
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.22	14.8	11.3	0.01	1.37	1.26	—	1,520
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.59	10.6	8.10	0.01	0.98	0.90	—	1,086
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	1.93	1.48	< 0.005	0.18	0.16	—	180
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.19	0.25	3.99	0.00	0.20	0.05	1.19	280

Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.15	0.28	2.43	0.00	0.20	0.05	0.03	236
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.11	0.19	2.08	0.00	0.14	0.03	0.37	181
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.38	0.00	0.03	0.01	0.06	29.9
Vendor	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

3.27. Paving (2014) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.08	16.5	11.2	0.01	1.28	1.18	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.08	16.5	11.2	0.01	1.28	1.18	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.48	11.8	8.01	0.01	0.91	0.84	—	1,086
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	2.15	1.46	< 0.005	0.17	0.15	—	180
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.17	0.22	3.53	0.00	0.20	0.05	1.19	275
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.13	0.25	2.12	0.00	0.20	0.05	0.03	232
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.10	0.16	1.83	0.00	0.14	0.03	0.37	177
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.33	0.00	0.03	0.01	0.06	29.4
Vendor	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

3.28. Paving (2014) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.08	14.0	11.2	0.01	1.28	1.18	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.08	14.0	11.2	0.01	1.28	1.18	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.48	10.0	8.01	0.01	0.91	0.84	—	1,086
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	1.83	1.46	< 0.005	0.17	0.15	—	180
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.17	0.22	3.53	0.00	0.20	0.05	1.19	275
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.13	0.25	2.12	0.00	0.20	0.05	0.03	232
Vendor	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

Average Daily	—	—	—	—	—	—	—	—
Worker	0.10	0.16	1.83	0.00	0.14	0.03	0.37	177
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.33	0.00	0.03	0.01	0.06	29.4
Vendor	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

3.29. Paving (2015) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.05	16.1	11.2	0.01	1.26	1.16	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.05	16.1	11.2	0.01	1.26	1.16	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.47	11.5	8.03	0.01	0.90	0.83	—	1,086
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	2.09	1.46	< 0.005	0.16	0.15	—	180

Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.15	0.20	3.14	0.00	0.20	0.05	1.19	271
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.11	0.22	1.86	0.00	0.20	0.05	0.03	228
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.09	0.14	1.62	0.00	0.14	0.03	0.37	175
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.30	0.00	0.03	0.01	0.06	29.0
Vendor	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

3.30. Paving (2015) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.05	13.7	11.2	0.01	1.26	1.16	—	1,521
Paving	0.12	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.05	13.7	11.2	0.01	1.26	1.16	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.47	9.75	8.03	0.01	0.90	0.83	—	1,086
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	1.78	1.46	< 0.005	0.16	0.15	—	180
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.15	0.20	3.14	0.00	0.20	0.05	1.19	271
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.11	0.22	1.86	0.00	0.20	0.05	0.03	228
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.09	0.14	1.62	0.00	0.14	0.03	0.37	175
Vendor	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
Annual	—	—	—	—	—	—	—	—

Worker	0.02	0.03	0.30	0.00	0.03	0.01	0.06	29.0
Vendor	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

3.31. Paving (2016) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.96	15.3	11.2	0.01	1.19	1.10	—	1,520
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.96	15.3	11.2	0.01	1.19	1.10	—	1,520
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.41	11.0	8.01	0.01	0.85	0.78	—	1,088
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	2.00	1.46	< 0.005	0.16	0.14	—	180
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.14	0.18	2.86	0.00	0.20	0.05	1.19	266

Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.10	0.20	1.69	0.00	0.20	0.05	0.03	225
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.08	0.13	1.48	0.00	0.14	0.03	0.37	173
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.27	0.00	0.03	0.01	0.06	28.6
Vendor	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

3.32. Paving (2016) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.96	13.0	11.2	0.01	1.19	1.10	—	1,520
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.96	13.0	11.2	0.01	1.19	1.10	—	1,520
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.41	9.31	8.01	0.01	0.85	0.78	—	1,088
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	1.70	1.46	< 0.005	0.16	0.14	—	180
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.14	0.18	2.86	0.00	0.20	0.05	1.19	266
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.10	0.20	1.69	0.00	0.20	0.05	0.03	225
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.08	0.13	1.48	0.00	0.14	0.03	0.37	173
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.27	0.00	0.03	0.01	0.06	28.6
Vendor	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

3.33. Paving (2017) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.80	14.2	11.0	0.01	1.08	0.99	—	1,519
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.80	14.2	11.0	0.01	1.08	0.99	—	1,519
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18	9.28	7.22	0.01	0.71	0.65	—	996
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	1.69	1.32	< 0.005	0.13	0.12	—	165
Paving	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.13	0.16	2.64	0.00	0.20	0.05	1.19	262
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.10	0.18	1.55	0.00	0.20	0.05	0.03	222
Vendor	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

Average Daily	—	—	—	—	—	—	—	—
Worker	0.07	0.11	1.24	0.00	0.13	0.03	0.34	156
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.02	0.23	0.00	0.02	0.01	0.06	25.8
Vendor	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

3.34. Paving (2017) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.80	12.0	11.0	0.01	1.08	0.99	—	1,519
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.80	12.0	11.0	0.01	1.08	0.99	—	1,519
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18	7.89	7.22	0.01	0.71	0.65	—	996
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	1.44	1.32	< 0.005	0.13	0.12	—	165

Paving	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.13	0.16	2.64	0.00	0.20	0.05	1.19	262
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.10	0.18	1.55	0.00	0.20	0.05	0.03	222
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.07	0.11	1.24	0.00	0.13	0.03	0.34	156
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.02	0.23	0.00	0.02	0.01	0.06	25.8
Vendor	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

3.35. Architectural Coating (2013) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	1.33	1.51	< 0.005	0.13	0.12	—	134

Architectural Coatings	47.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	1.33	1.51	< 0.005	0.13	0.12	—	134
Architectural Coatings	47.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.48	0.54	< 0.005	0.05	0.04	—	48.2
Architectural Coatings	17.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.09	0.10	< 0.005	0.01	0.01	—	7.99
Architectural Coatings	3.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	4.66	6.21	99.1	0.00	4.87	1.14	29.6	6,964
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	3.73	6.98	60.5	0.00	4.87	1.14	0.76	5,866
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	1.41	2.34	26.0	0.00	1.75	0.41	4.58	2,267

Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.26	0.43	4.75	0.00	0.32	0.07	0.76	375
Vendor	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

3.36. Architectural Coating (2013) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	1.13	1.51	< 0.005	0.13	0.12	—	134
Architectural Coatings	47.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	1.13	1.51	< 0.005	0.13	0.12	—	134
Architectural Coatings	47.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.41	0.54	< 0.005	0.05	0.04	—	48.2
Architectural Coatings	17.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.07	0.10	< 0.005	0.01	0.01	—	7.99

Architectural Coatings	3.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	4.66	6.21	99.1	0.00	4.87	1.14	29.6	6,964
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	3.73	6.98	60.5	0.00	4.87	1.14	0.76	5,866
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	1.41	2.34	26.0	0.00	1.75	0.41	4.58	2,267
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.26	0.43	4.75	0.00	0.32	0.07	0.76	375
Vendor	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

3.37. Architectural Coating (2014) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	1.27	1.45	< 0.005	0.12	0.11	—	134

Architectural Coatings	47.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	1.27	1.45	< 0.005	0.12	0.11	—	134
Architectural Coatings	47.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.91	1.04	< 0.005	0.08	0.08	—	95.7
Architectural Coatings	34.0	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.17	0.19	< 0.005	0.02	0.01	—	15.8
Architectural Coatings	6.20	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	4.16	5.41	87.9	0.00	4.87	1.14	29.6	6,829
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	3.31	6.18	52.7	0.00	4.87	1.14	0.77	5,756
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	2.49	4.06	45.5	0.00	3.46	0.81	9.10	4,412

Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.45	0.74	8.30	0.00	0.63	0.15	1.51	730
Vendor	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

3.38. Architectural Coating (2014) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	1.08	1.45	< 0.005	0.12	0.11	—	134
Architectural Coatings	47.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	1.08	1.45	< 0.005	0.12	0.11	—	134
Architectural Coatings	47.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.77	1.04	< 0.005	0.08	0.08	—	95.7
Architectural Coatings	34.0	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.14	0.19	< 0.005	0.02	0.01	—	15.8

Architectural Coatings	6.20	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	4.16	5.41	87.9	0.00	4.87	1.14	29.6	6,829
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	3.31	6.18	52.7	0.00	4.87	1.14	0.77	5,756
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	2.49	4.06	45.5	0.00	3.46	0.81	9.10	4,412
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.45	0.74	8.30	0.00	0.63	0.15	1.51	730
Vendor	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

3.39. Architectural Coating (2015) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	1.23	1.40	< 0.005	0.11	0.10	—	134

Architectural Coatings	47.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	1.23	1.40	< 0.005	0.11	0.10	—	134
Architectural Coatings	47.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	0.88	1.00	< 0.005	0.08	0.07	—	95.7
Architectural Coatings	34.0	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.16	0.18	< 0.005	0.01	0.01	—	15.8
Architectural Coatings	6.20	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	3.66	4.92	78.1	0.00	4.87	1.14	29.6	6,734
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	2.85	5.38	46.3	0.00	4.87	1.14	0.77	5,677
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	2.27	3.60	40.3	0.00	3.46	0.81	9.10	4,353

Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.41	0.66	7.35	0.00	0.63	0.15	1.51	721
Vendor	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

3.40. Architectural Coating (2015) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	1.04	1.40	< 0.005	0.11	0.10	—	134
Architectural Coatings	47.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	1.04	1.40	< 0.005	0.11	0.10	—	134
Architectural Coatings	47.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	0.75	1.00	< 0.005	0.08	0.07	—	95.7
Architectural Coatings	34.0	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.14	0.18	< 0.005	0.01	0.01	—	15.8

Architectural Coatings	6.20	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	3.66	4.92	78.1	0.00	4.87	1.14	29.6	6,734
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	2.85	5.38	46.3	0.00	4.87	1.14	0.77	5,677
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	2.27	3.60	40.3	0.00	3.46	0.81	9.10	4,353
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.41	0.66	7.35	0.00	0.63	0.15	1.51	721
Vendor	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

3.41. Architectural Coating (2016) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	1.18	1.36	< 0.005	0.10	0.09	—	134

Architectural Coatings	47.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	1.18	1.36	< 0.005	0.10	0.09	—	134
Architectural Coatings	47.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.85	0.97	< 0.005	0.07	0.06	—	96.0
Architectural Coatings	34.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.15	0.18	< 0.005	0.01	0.01	—	15.9
Architectural Coatings	6.22	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	3.37	4.42	71.1	0.00	4.87	1.14	29.6	6,616
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	2.60	4.89	42.0	0.00	4.87	1.14	0.77	5,585
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	2.09	3.26	36.7	0.00	3.47	0.81	9.13	4,290

Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.38	0.59	6.70	0.00	0.63	0.15	1.51	710
Vendor	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

3.42. Architectural Coating (2016) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	1.01	1.36	< 0.005	0.10	0.09	—	134
Architectural Coatings	47.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	1.01	1.36	< 0.005	0.10	0.09	—	134
Architectural Coatings	47.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.72	0.97	< 0.005	0.07	0.06	—	96.0
Architectural Coatings	34.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.13	0.18	< 0.005	0.01	0.01	—	15.9

Architectural Coatings	6.22	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	3.37	4.42	71.1	0.00	4.87	1.14	29.6	6,616
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	2.60	4.89	42.0	0.00	4.87	1.14	0.77	5,585
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	2.09	3.26	36.7	0.00	3.47	0.81	9.13	4,290
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.38	0.59	6.70	0.00	0.63	0.15	1.51	710
Vendor	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

3.43. Architectural Coating (2017) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	1.14	1.32	< 0.005	0.09	0.08	—	134

Architectural Coatings	47.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	1.14	1.32	< 0.005	0.09	0.08	—	134
Architectural Coatings	47.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.75	0.86	< 0.005	0.06	0.05	—	87.8
Architectural Coatings	31.2	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.14	0.16	< 0.005	0.01	0.01	—	14.5
Architectural Coatings	5.69	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	3.26	3.94	65.6	0.00	4.87	1.14	29.6	6,524
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	2.54	4.41	38.5	0.00	4.87	1.14	0.77	5,511
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	1.76	2.67	30.9	0.00	3.18	0.74	8.36	3,872

Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.32	0.49	5.65	0.00	0.58	0.14	1.38	641
Vendor	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

3.44. Architectural Coating (2017) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.97	1.32	< 0.005	0.09	0.08	—	134
Architectural Coatings	47.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.97	1.32	< 0.005	0.09	0.08	—	134
Architectural Coatings	47.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.64	0.86	< 0.005	0.06	0.05	—	87.8
Architectural Coatings	31.2	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.12	0.16	< 0.005	0.01	0.01	—	14.5

Architectural Coatings	5.69	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	3.26	3.94	65.6	0.00	4.87	1.14	29.6	6,524
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	2.54	4.41	38.5	0.00	4.87	1.14	0.77	5,511
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	1.76	2.67	30.9	0.00	3.18	0.74	8.36	3,872
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.32	0.49	5.65	0.00	0.58	0.14	1.38	641
Vendor	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

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	32.4	53.3	407	0.59	42.1	11.3	273	61,488
Regional Shopping Center	53.7	55.3	420	0.55	38.6	10.4	250	57,580
Condo/Townhouse	26.6	34.5	263	0.37	25.9	6.95	167	38,083
Strip Mall	23.4	38.4	294	0.43	30.3	8.15	197	44,310
General Office Building	0.81	1.34	10.2	0.01	1.06	0.28	6.86	1,545
Unrefrigerated Warehouse-No Rail	5.57	9.16	70.0	0.10	7.24	1.94	46.9	10,569
Single Family Housing	55.1	71.4	545	0.76	53.5	14.4	346	78,779
Mobile Home Park	14.5	18.7	143	0.20	14.0	3.77	90.8	20,661
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	212	282	2,152	3.00	213	57.2	1,378	313,015
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	24.8	58.1	266	0.52	42.1	11.3	7.07	53,956
Regional Shopping Center	39.5	59.7	297	0.49	38.6	10.4	6.48	50,688
Condo/Townhouse	19.9	37.5	178	0.32	25.9	6.95	4.34	33,463
Strip Mall	17.9	41.9	191	0.37	30.3	8.15	5.10	38,882
General Office Building	0.62	1.46	6.68	0.01	1.06	0.28	0.18	1,356
Unrefrigerated Warehouse-No Rail	4.27	9.99	45.7	0.09	7.24	1.94	1.22	9,274
Single Family Housing	41.3	77.5	368	0.66	53.5	14.4	8.98	69,222

Mobile Home Park	10.9	20.3	96.7	0.17	14.0	3.77	2.36	18,155
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	159	307	1,450	2.64	213	57.2	35.7	274,996
Annual	—	—	—	—	—	—	—	—
Hotel	4.20	8.72	48.0	0.09	6.53	1.76	16.7	8,054
Regional Shopping Center	7.15	8.97	51.5	0.08	5.90	1.59	15.0	7,460
Condo/Townhouse	3.36	5.56	31.1	0.05	3.96	1.07	10.1	4,934
Strip Mall	3.00	6.24	34.4	0.06	4.67	1.26	11.9	5,759
General Office Building	0.09	0.19	1.06	< 0.005	0.14	0.04	0.37	178
Unrefrigerated Warehouse-No Rail	0.58	1.21	6.66	0.01	0.90	0.24	2.31	1,116
Single Family Housing	7.34	12.1	67.9	0.11	8.64	2.33	22.1	10,759
Mobile Home Park	1.71	2.81	15.8	0.03	2.00	0.54	5.11	2,494
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	27.4	45.8	256	0.43	32.8	8.81	83.6	40,754

4.1.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	32.4	53.3	407	0.59	42.1	11.3	273	61,488
Regional Shopping Center	53.7	55.3	420	0.55	38.6	10.4	250	57,580
Condo/Townhouse	26.6	34.5	263	0.37	25.9	6.95	167	38,083
Strip Mall	23.4	38.4	294	0.43	30.3	8.15	197	44,310
General Office Building	0.81	1.34	10.2	0.01	1.06	0.28	6.86	1,545
Unrefrigerated Warehouse-No Rail	5.57	9.16	70.0	0.10	7.24	1.94	46.9	10,569
Single Family Housing	55.1	71.4	545	0.76	53.5	14.4	346	78,779
Mobile Home Park	14.5	18.7	143	0.20	14.0	3.77	90.8	20,661
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	212	282	2,152	3.00	213	57.2	1,378	313,015
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	24.8	58.1	266	0.52	42.1	11.3	7.07	53,956
Regional Shopping Center	39.5	59.7	297	0.49	38.6	10.4	6.48	50,688
Condo/Townhouse	19.9	37.5	178	0.32	25.9	6.95	4.34	33,463
Strip Mall	17.9	41.9	191	0.37	30.3	8.15	5.10	38,882
General Office Building	0.62	1.46	6.68	0.01	1.06	0.28	0.18	1,356
Unrefrigerated Warehouse-No Rail	4.27	9.99	45.7	0.09	7.24	1.94	1.22	9,274
Single Family Housing	41.3	77.5	368	0.66	53.5	14.4	8.98	69,222

Mobile Home Park	10.9	20.3	96.7	0.17	14.0	3.77	2.36	18,155
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	159	307	1,450	2.64	213	57.2	35.7	274,996
Annual	—	—	—	—	—	—	—	—
Hotel	4.20	8.72	48.0	0.09	6.53	1.76	16.7	8,054
Regional Shopping Center	7.15	8.97	51.5	0.08	5.90	1.59	15.0	7,460
Condo/Townhouse	3.36	5.56	31.1	0.05	3.96	1.07	10.1	4,934
Strip Mall	3.00	6.24	34.4	0.06	4.67	1.26	11.9	5,759
General Office Building	0.09	0.19	1.06	< 0.005	0.14	0.04	0.37	178
Unrefrigerated Warehouse-No Rail	0.58	1.21	6.66	0.01	0.90	0.24	2.31	1,116
Single Family Housing	7.34	12.1	67.9	0.11	8.64	2.33	22.1	10,759
Mobile Home Park	1.71	2.81	15.8	0.03	2.00	0.54	5.11	2,494
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	27.4	45.8	256	0.43	32.8	8.81	83.6	40,754

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	6,027
Regional Shopping Center	—	—	—	—	—	—	—	4,829
Condo/Townhouse	—	—	—	—	—	—	—	4,650
Strip Mall	—	—	—	—	—	—	—	1,393
General Office Building	—	—	—	—	—	—	—	478
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	8,425
Single Family Housing	—	—	—	—	—	—	—	11,651
Mobile Home Park	—	—	—	—	—	—	—	7,044
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	1,855
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	46,353
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	6,027
Regional Shopping Center	—	—	—	—	—	—	—	4,829
Condo/Townhouse	—	—	—	—	—	—	—	4,650
Strip Mall	—	—	—	—	—	—	—	1,393
General Office Building	—	—	—	—	—	—	—	478
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	8,425

Single Family Housing	—	—	—	—	—	—	—	11,651
Mobile Home Park	—	—	—	—	—	—	—	7,044
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	1,855
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	46,353
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	998
Regional Shopping Center	—	—	—	—	—	—	—	800
Condo/Townhouse	—	—	—	—	—	—	—	770
Strip Mall	—	—	—	—	—	—	—	231
General Office Building	—	—	—	—	—	—	—	79.1
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,395
Single Family Housing	—	—	—	—	—	—	—	1,929
Mobile Home Park	—	—	—	—	—	—	—	1,166
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	307
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	7,674

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	5,331
Regional Shopping Center	—	—	—	—	—	—	—	4,036
Condo/Townhouse	—	—	—	—	—	—	—	3,872
Strip Mall	—	—	—	—	—	—	—	1,101
General Office Building	—	—	—	—	—	—	—	382
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	6,740
Single Family Housing	—	—	—	—	—	—	—	9,517
Mobile Home Park	—	—	—	—	—	—	—	5,636
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	1,484
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	38,099
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	5,331
Regional Shopping Center	—	—	—	—	—	—	—	4,036
Condo/Townhouse	—	—	—	—	—	—	—	3,872
Strip Mall	—	—	—	—	—	—	—	1,101
General Office Building	—	—	—	—	—	—	—	382
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	6,740

Single Family Housing	—	—	—	—	—	—	—	9,517
Mobile Home Park	—	—	—	—	—	—	—	5,636
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	1,484
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	38,099
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	883
Regional Shopping Center	—	—	—	—	—	—	—	668
Condo/Townhouse	—	—	—	—	—	—	—	641
Strip Mall	—	—	—	—	—	—	—	182
General Office Building	—	—	—	—	—	—	—	63.2
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,116
Single Family Housing	—	—	—	—	—	—	—	1,576
Mobile Home Park	—	—	—	—	—	—	—	933
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	246
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	6,308

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	0.22	4.03	3.39	0.02	0.31	0.31	—	4,823
Regional Shopping Center	0.03	0.47	0.39	< 0.005	0.04	0.04	—	561
Condo/Townhouse	0.16	2.66	1.13	0.02	0.21	0.21	—	3,384
Strip Mall	0.01	0.14	0.11	< 0.005	0.01	0.01	—	162
General Office Building	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	—	34.4
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	0.52	8.92	3.79	0.06	0.72	0.72	—	11,349
Mobile Home Park	0.19	3.25	1.38	0.02	0.26	0.26	—	4,139
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	1.12	19.5	10.2	0.12	1.55	1.55	—	24,452
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	0.22	4.03	3.39	0.02	0.31	0.31	—	4,823
Regional Shopping Center	0.03	0.47	0.39	< 0.005	0.04	0.04	—	561
Condo/Townhouse	0.16	2.66	1.13	0.02	0.21	0.21	—	3,384
Strip Mall	0.01	0.14	0.11	< 0.005	0.01	0.01	—	162
General Office Building	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	—	34.4
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

Single Family Housing	0.52	8.92	3.79	0.06	0.72	0.72	—	11,349
Mobile Home Park	0.19	3.25	1.38	0.02	0.26	0.26	—	4,139
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	1.12	19.5	10.2	0.12	1.55	1.55	—	24,452
Annual	—	—	—	—	—	—	—	—
Hotel	0.04	0.74	0.62	< 0.005	0.06	0.06	—	798
Regional Shopping Center	< 0.005	0.09	0.07	< 0.005	0.01	0.01	—	92.9
Condo/Townhouse	0.03	0.49	0.21	< 0.005	0.04	0.04	—	560
Strip Mall	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	26.8
General Office Building	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	—	5.70
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	0.10	1.63	0.69	0.01	0.13	0.13	—	1,879
Mobile Home Park	0.03	0.59	0.25	< 0.005	0.05	0.05	—	685
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.21	3.56	1.87	0.02	0.28	0.28	—	4,048

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	0.22	4.03	3.39	0.02	0.31	0.31	—	4,823
Regional Shopping Center	0.03	0.47	0.39	< 0.005	0.04	0.04	—	561
Condo/Townhouse	0.16	2.66	1.13	0.02	0.21	0.21	—	3,384
Strip Mall	0.01	0.14	0.11	< 0.005	0.01	0.01	—	162
General Office Building	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	—	34.4
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	0.52	8.92	3.79	0.06	0.72	0.72	—	11,349
Mobile Home Park	0.19	3.25	1.38	0.02	0.26	0.26	—	4,139
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	1.12	19.5	10.2	0.12	1.55	1.55	—	24,452
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	0.22	4.03	3.39	0.02	0.31	0.31	—	4,823
Regional Shopping Center	0.03	0.47	0.39	< 0.005	0.04	0.04	—	561
Condo/Townhouse	0.16	2.66	1.13	0.02	0.21	0.21	—	3,384
Strip Mall	0.01	0.14	0.11	< 0.005	0.01	0.01	—	162
General Office Building	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	—	34.4
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

Single Family Housing	0.52	8.92	3.79	0.06	0.72	0.72	—	11,349
Mobile Home Park	0.19	3.25	1.38	0.02	0.26	0.26	—	4,139
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	1.12	19.5	10.2	0.12	1.55	1.55	—	24,452
Annual	—	—	—	—	—	—	—	—
Hotel	0.04	0.74	0.62	< 0.005	0.06	0.06	—	798
Regional Shopping Center	< 0.005	0.09	0.07	< 0.005	0.01	0.01	—	92.9
Condo/Townhouse	0.03	0.49	0.21	< 0.005	0.04	0.04	—	560
Strip Mall	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	26.8
General Office Building	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	—	5.70
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	0.10	1.63	0.69	0.01	0.13	0.13	—	1,879
Mobile Home Park	0.03	0.59	0.25	< 0.005	0.05	0.05	—	685
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.21	3.56	1.87	0.02	0.28	0.28	—	4,048

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hearths	0.73	12.4	5.29	0.08	1.00	1.00	—	17,722
Consumer Products	89.8	—	—	—	—	—	—	—
Architectural Coatings	8.52	—	—	—	—	—	—	—
Landscape Equipment	25.9	2.05	190	0.01	0.23	0.18	—	604
Total	125	14.5	196	0.09	1.24	1.18	—	18,326
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hearths	0.73	12.4	5.29	0.08	1.00	1.00	—	17,722
Consumer Products	89.8	—	—	—	—	—	—	—
Architectural Coatings	8.52	—	—	—	—	—	—	—
Total	99.1	12.4	5.29	0.08	1.00	1.00	—	17,722
Annual	—	—	—	—	—	—	—	—
Hearths	0.01	0.16	0.07	< 0.005	0.01	0.01	—	201
Consumer Products	16.4	—	—	—	—	—	—	—
Architectural Coatings	1.55	—	—	—	—	—	—	—
Landscape Equipment	2.33	0.18	17.1	< 0.005	0.02	0.02	—	49.3
Total	20.3	0.34	17.2	< 0.005	0.03	0.03	—	250

4.3.2. Mitigated

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

Source	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hearths	0.73	12.4	5.29	0.08	1.00	1.00	—	17,722
Consumer Products	83.1	—	—	—	—	—	—	—
Architectural Coatings	8.52	—	—	—	—	—	—	—
Landscape Equipment	25.9	2.05	190	0.01	0.23	0.18	—	604
Total	118	14.5	196	0.09	1.24	1.18	—	18,326
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hearths	0.73	12.4	5.29	0.08	1.00	1.00	—	17,722
Consumer Products	83.1	—	—	—	—	—	—	—
Architectural Coatings	8.52	—	—	—	—	—	—	—
Total	92.4	12.4	5.29	0.08	1.00	1.00	—	17,722
Annual	—	—	—	—	—	—	—	—
Hearths	0.01	0.16	0.07	< 0.005	0.01	0.01	—	201
Consumer Products	15.2	—	—	—	—	—	—	—
Architectural Coatings	1.55	—	—	—	—	—	—	—
Landscape Equipment	2.33	0.18	17.1	< 0.005	0.02	0.02	—	49.3
Total	19.1	0.34	17.2	< 0.005	0.03	0.03	—	250

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Hotel	—	—	—	—	—	—	—	126
Regional Shopping Center	—	—	—	—	—	—	—	291
Condo/Townhouse	—	—	—	—	—	—	—	313
Strip Mall	—	—	—	—	—	—	—	290
General Office Building	—	—	—	—	—	—	—	237
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	2,171
Single Family Housing	—	—	—	—	—	—	—	1,315
Mobile Home Park	—	—	—	—	—	—	—	539
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	5,282
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	126
Regional Shopping Center	—	—	—	—	—	—	—	291
Condo/Townhouse	—	—	—	—	—	—	—	313
Strip Mall	—	—	—	—	—	—	—	290
General Office Building	—	—	—	—	—	—	—	237
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	2,171
Single Family Housing	—	—	—	—	—	—	—	1,315
Mobile Home Park	—	—	—	—	—	—	—	539

User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	5,282
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	20.8
Regional Shopping Center	—	—	—	—	—	—	—	48.2
Condo/Townhouse	—	—	—	—	—	—	—	51.8
Strip Mall	—	—	—	—	—	—	—	48.0
General Office Building	—	—	—	—	—	—	—	39.2
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	359
Single Family Housing	—	—	—	—	—	—	—	218
Mobile Home Park	—	—	—	—	—	—	—	89.2
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	875

4.4.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Hotel	—	—	—	—	—	—	—	116
Regional Shopping Center	—	—	—	—	—	—	—	291
Condo/Townhouse	—	—	—	—	—	—	—	303
Strip Mall	—	—	—	—	—	—	—	290
General Office Building	—	—	—	—	—	—	—	237
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	2,171
Single Family Housing	—	—	—	—	—	—	—	1,315
Mobile Home Park	—	—	—	—	—	—	—	509
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	5,233
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	116
Regional Shopping Center	—	—	—	—	—	—	—	291
Condo/Townhouse	—	—	—	—	—	—	—	303
Strip Mall	—	—	—	—	—	—	—	290
General Office Building	—	—	—	—	—	—	—	237
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	2,171
Single Family Housing	—	—	—	—	—	—	—	1,315
Mobile Home Park	—	—	—	—	—	—	—	509

User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	5,233
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	19.2
Regional Shopping Center	—	—	—	—	—	—	—	48.2
Condo/Townhouse	—	—	—	—	—	—	—	50.2
Strip Mall	—	—	—	—	—	—	—	48.0
General Office Building	—	—	—	—	—	—	—	39.2
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	359
Single Family Housing	—	—	—	—	—	—	—	218
Mobile Home Park	—	—	—	—	—	—	—	84.3
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	866

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	310
Regional Shopping Center	—	—	—	—	—	—	—	515
Condo/Townhouse	—	—	—	—	—	—	—	704
Strip Mall	—	—	—	—	—	—	—	148
General Office Building	—	—	—	—	—	—	—	17.5
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,060
Single Family Housing	—	—	—	—	—	—	—	1,714
Mobile Home Park	—	—	—	—	—	—	—	1,144
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	5,612
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	310
Regional Shopping Center	—	—	—	—	—	—	—	515
Condo/Townhouse	—	—	—	—	—	—	—	704
Strip Mall	—	—	—	—	—	—	—	148
General Office Building	—	—	—	—	—	—	—	17.5
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,060

Single Family Housing	—	—	—	—	—	—	—	1,714
Mobile Home Park	—	—	—	—	—	—	—	1,144
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	5,612
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	51.3
Regional Shopping Center	—	—	—	—	—	—	—	85.2
Condo/Townhouse	—	—	—	—	—	—	—	117
Strip Mall	—	—	—	—	—	—	—	24.6
General Office Building	—	—	—	—	—	—	—	2.90
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	175
Single Family Housing	—	—	—	—	—	—	—	284
Mobile Home Park	—	—	—	—	—	—	—	189
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	929

4.5.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	310
Regional Shopping Center	—	—	—	—	—	—	—	515
Condo/Townhouse	—	—	—	—	—	—	—	704
Strip Mall	—	—	—	—	—	—	—	148
General Office Building	—	—	—	—	—	—	—	17.5
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,060
Single Family Housing	—	—	—	—	—	—	—	1,714
Mobile Home Park	—	—	—	—	—	—	—	1,144
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	5,612
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	310
Regional Shopping Center	—	—	—	—	—	—	—	515
Condo/Townhouse	—	—	—	—	—	—	—	704
Strip Mall	—	—	—	—	—	—	—	148
General Office Building	—	—	—	—	—	—	—	17.5
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,060

Single Family Housing	—	—	—	—	—	—	—	1,714
Mobile Home Park	—	—	—	—	—	—	—	1,144
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	5,612
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	51.3
Regional Shopping Center	—	—	—	—	—	—	—	85.2
Condo/Townhouse	—	—	—	—	—	—	—	117
Strip Mall	—	—	—	—	—	—	—	24.6
General Office Building	—	—	—	—	—	—	—	2.90
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	175
Single Family Housing	—	—	—	—	—	—	—	284
Mobile Home Park	—	—	—	—	—	—	—	189
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	929

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	681	681
Regional Shopping Center	—	—	—	—	—	—	1.25	1.25
Condo/Townhouse	—	—	—	—	—	—	3.83	3.83
Strip Mall	—	—	—	—	—	—	0.47	0.47
General Office Building	—	—	—	—	—	—	0.02	0.02
Single Family Housing	—	—	—	—	—	—	13.9	13.9
Mobile Home Park	—	—	—	—	—	—	2.28	2.28
Total	—	—	—	—	—	—	703	703
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	681	681
Regional Shopping Center	—	—	—	—	—	—	1.25	1.25
Condo/Townhouse	—	—	—	—	—	—	3.83	3.83
Strip Mall	—	—	—	—	—	—	0.47	0.47
General Office Building	—	—	—	—	—	—	0.02	0.02
Single Family Housing	—	—	—	—	—	—	13.9	13.9
Mobile Home Park	—	—	—	—	—	—	2.28	2.28
Total	—	—	—	—	—	—	703	703
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	113	113

Regional Shopping Center	—	—	—	—	—	—	0.21	0.21
Condo/Townhouse	—	—	—	—	—	—	0.63	0.63
Strip Mall	—	—	—	—	—	—	0.08	0.08
General Office Building	—	—	—	—	—	—	< 0.005	< 0.005
Single Family Housing	—	—	—	—	—	—	2.30	2.30
Mobile Home Park	—	—	—	—	—	—	0.38	0.38
Total	—	—	—	—	—	—	116	116

4.6.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	681	681
Regional Shopping Center	—	—	—	—	—	—	1.25	1.25
Condo/Townhouse	—	—	—	—	—	—	3.83	3.83
Strip Mall	—	—	—	—	—	—	0.47	0.47
General Office Building	—	—	—	—	—	—	0.02	0.02
Single Family Housing	—	—	—	—	—	—	13.9	13.9
Mobile Home Park	—	—	—	—	—	—	2.28	2.28
Total	—	—	—	—	—	—	703	703
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	681	681
Regional Shopping Center	—	—	—	—	—	—	1.25	1.25

Condo/Townhouse	—	—	—	—	—	—	3.83	3.83
Strip Mall	—	—	—	—	—	—	0.47	0.47
General Office Building	—	—	—	—	—	—	0.02	0.02
Single Family Housing	—	—	—	—	—	—	13.9	13.9
Mobile Home Park	—	—	—	—	—	—	2.28	2.28
Total	—	—	—	—	—	—	703	703
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	113	113
Regional Shopping Center	—	—	—	—	—	—	0.21	0.21
Condo/Townhouse	—	—	—	—	—	—	0.63	0.63
Strip Mall	—	—	—	—	—	—	0.08	0.08
General Office Building	—	—	—	—	—	—	< 0.005	< 0.005
Single Family Housing	—	—	—	—	—	—	2.30	2.30
Mobile Home Park	—	—	—	—	—	—	0.38	0.38
Total	—	—	—	—	—	—	116	116

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—

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

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

Vegetation	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—

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

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—

Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	1/1/2011	2/11/2011	5.00	30.0	—

Site Preparation	Site Preparation	2/12/2011	3/1/2012	5.00	274	—
Grading	Grading	6/1/2011	6/30/2012	5.00	283	—
Building Construction	Building Construction	7/1/2012	12/1/2017	5.00	1,415	—
Paving	Paving	7/1/2012	12/1/2017	5.00	1,415	—
Architectural Coating	Architectural Coating	7/1/2013	12/1/2017	5.00	1,155	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	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	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	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/Backhoes	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
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	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	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	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/Backhoes	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
Demolition	—	—	—	—
Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	21.1	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
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	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	3.31	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	1,865	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	477	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	373	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
Demolition	—	—	—	—
Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	21.1	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
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	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	3.31	20.0	HHDT
Grading	Onsite truck	—	—	HHDT

Building Construction	—	—	—	—
Building Construction	Worker	1,865	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	477	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	373	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

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	5,650,115	1,883,372	2,099,201	699,734	141,134

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	55,000	—
Site Preparation	—	—	411	0.00	—
Grading	4,400	7,500	849	0.00	—
Paving	0.00	0.00	0.00	0.00	81.9

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Hotel	0.00	0%
Regional Shopping Center	0.00	0%
Condo/Townhouse	—	0%
Strip Mall	0.00	0%
General Office Building	0.00	0%
Unrefrigerated Warehouse-No Rail	0.00	0%
Single Family Housing	10.9	0%
Mobile Home Park	6.00	80%
Mobile Home Park	6.00	80%

User Defined Industrial	5.00	0%
Parking Lot	38.7	100%
Other Asphalt Surfaces	15.3	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2011	0.00	457	0.03	< 0.005
2012	0.00	457	0.03	< 0.005
2013	0.00	457	0.03	< 0.005
2014	0.00	457	0.03	< 0.005
2015	0.00	457	0.03	< 0.005
2016	0.00	457	0.03	< 0.005
2017	0.00	457	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Hotel	3,669	4,314	3,153	1,345,911	49,551	58,262	42,583	18,177,079
Regional Shopping Center	7,904	8,349	5,486	2,782,061	45,186	53,406	35,094	16,395,232
Condo/Townhouse	3,404	3,883	2,065	1,197,586	31,343	35,761	19,020	11,027,894
Strip Mall	2,698	3,109	1,859	962,388	36,434	41,985	25,110	12,997,436
General Office Building	108	22.1	7.00	29,779	1,464	298	94.5	402,175
Unrefrigerated Warehouse-No Rail	419	742	742	186,465	5,653	10,015	10,015	2,518,285

Single Family Housing	7,418	8,033	4,965	2,611,675	68,306	73,975	45,720	24,049,445
Mobile Home Park	970	1,290	970	370,736	7,758	10,317	7,758	2,964,966
Mobile Home Park	621	826	621	237,271	6,829	9,082	6,829	2,609,979
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Hotel	3,669	4,314	3,153	1,345,911	49,551	58,262	42,583	18,177,079
Regional Shopping Center	7,904	8,349	5,486	2,782,061	45,186	53,406	35,094	16,395,232
Condo/Townhouse	3,404	3,883	2,065	1,197,586	31,343	35,761	19,020	11,027,894
Strip Mall	2,698	3,109	1,859	962,388	36,434	41,985	25,110	12,997,436
General Office Building	108	22.1	7.00	29,779	1,464	298	94.5	402,175
Unrefrigerated Warehouse-No Rail	419	742	742	186,465	5,653	10,015	10,015	2,518,285
Single Family Housing	7,418	8,033	4,965	2,611,675	68,306	73,975	45,720	24,049,445
Mobile Home Park	970	1,290	970	370,736	7,758	10,317	7,758	2,964,966
Mobile Home Park	621	826	621	237,271	6,829	9,082	6,829	2,609,979
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Condo/Townhouse	—
Wood Fireplaces	0
Gas Fireplaces	289
Propane Fireplaces	0
Electric Fireplaces	17
No Fireplaces	34
Conventional Wood Stoves	0
Catalytic Wood Stoves	17
Non-Catalytic Wood Stoves	17
Pellet Wood Stoves	0
Single Family Housing	—
Wood Fireplaces	25
Gas Fireplaces	410
Propane Fireplaces	0
Electric Fireplaces	26
No Fireplaces	52
Conventional Wood Stoves	0
Catalytic Wood Stoves	26
Non-Catalytic Wood Stoves	26
Pellet Wood Stoves	0
Mobile Home Park	—

Wood Fireplaces	0
Gas Fireplaces	425
Propane Fireplaces	0
Electric Fireplaces	25
No Fireplaces	50
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	320
No Fireplaces	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	25
Non-Catalytic Wood Stoves	25
Pellet Wood Stoves	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	16
Non-Catalytic Wood Stoves	16
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Condo/Townhouse	—
Wood Fireplaces	0
Gas Fireplaces	289
Propane Fireplaces	0
Electric Fireplaces	17
No Fireplaces	34

Conventional Wood Stoves	0
Catalytic Wood Stoves	17
Non-Catalytic Wood Stoves	17
Pellet Wood Stoves	0
Single Family Housing	—
Wood Fireplaces	25
Gas Fireplaces	410
Propane Fireplaces	0
Electric Fireplaces	26
No Fireplaces	52
Conventional Wood Stoves	0
Catalytic Wood Stoves	26
Non-Catalytic Wood Stoves	26
Pellet Wood Stoves	0
Mobile Home Park	—
Wood Fireplaces	0
Gas Fireplaces	425
Propane Fireplaces	0
Electric Fireplaces	25
No Fireplaces	50
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	320
No Fireplaces	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	25

Non-Catalytic Wood Stoves	25
Pellet Wood Stoves	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	16
Non-Catalytic Wood Stoves	16
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
5650114.5	1,883,372	2,099,201	699,734	141,134

5.10.3. Landscape Equipment

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

5.10.4. Landscape Equipment - Mitigated

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

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

Hotel	4,797,664	457	0.0330	0.0040	15,006,207
Regional Shopping Center	3,843,856	457	0.0330	0.0040	1,745,319
Condo/Townhouse	3,701,216	457	0.0330	0.0040	10,529,592
Strip Mall	1,108,805	457	0.0330	0.0040	503,458
General Office Building	380,325	457	0.0330	0.0040	107,164
Unrefrigerated Warehouse-No Rail	6,706,220	457	0.0330	0.0040	0.00
Single Family Housing	9,273,869	457	0.0330	0.0040	35,315,364
Mobile Home Park	3,419,003	457	0.0330	0.0040	12,878,656
Mobile Home Park	2,188,162	457	0.0330	0.0040	0.00
User Defined Industrial	0.00	457	0.0330	0.0040	0.00
Parking Lot	1,476,736	457	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	457	0.0330	0.0040	0.00

5.11.2. Mitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Hotel	4,243,667	457	0.0330	0.0040	15,006,207
Regional Shopping Center	3,212,709	457	0.0330	0.0040	1,745,319
Condo/Townhouse	3,082,168	457	0.0330	0.0040	10,529,592
Strip Mall	876,194	457	0.0330	0.0040	503,458
General Office Building	303,984	457	0.0330	0.0040	107,164
Unrefrigerated Warehouse-No Rail	5,364,977	457	0.0330	0.0040	0.00
Single Family Housing	7,574,946	457	0.0330	0.0040	35,315,364
Mobile Home Park	2,735,203	457	0.0330	0.0040	12,878,656
Mobile Home Park	1,750,530	457	0.0330	0.0040	0.00
User Defined Industrial	0.00	457	0.0330	0.0040	0.00

Parking Lot	1,181,389	457	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	457	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Hotel	7,610,031	4,446,831
Regional Shopping Center	19,258,856	4,446,831
Condo/Townhouse	20,540,256	5,435,016
Strip Mall	5,555,439	52,297,012
General Office Building	1,777,337	52,297,012
Unrefrigerated Warehouse-No Rail	138,287,500	52,297,012
Single Family Housing	40,389,059	183,781,003
Mobile Home Park	20,336,888	8,212,444
Mobile Home Park	13,015,608	8,212,444
User Defined Industrial	0.00	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Hotel	7,610,031	2,014,106
Regional Shopping Center	19,258,856	4,446,831
Condo/Townhouse	20,540,256	3,002,291
Strip Mall	5,555,439	52,297,012
General Office Building	1,777,337	52,297,012

Unrefrigerated Warehouse-No Rail	138,287,500	52,297,012
Single Family Housing	40,389,059	183,781,003
Mobile Home Park	20,336,888	4,536,536
Mobile Home Park	13,015,608	4,536,536
User Defined Industrial	0.00	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Hotel	164	—
Regional Shopping Center	273	—
Condo/Townhouse	373	—
Strip Mall	78.8	—
General Office Building	9.30	—
Unrefrigerated Warehouse-No Rail	562	—
Single Family Housing	909	—
Mobile Home Park	370	—
Mobile Home Park	237	—
User Defined Industrial	0.00	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)

Hotel	164	—
Regional Shopping Center	273	—
Condo/Townhouse	373	—
Strip Mall	78.8	—
General Office Building	9.30	—
Unrefrigerated Warehouse-No Rail	562	—
Single Family Housing	909	—
Mobile Home Park	370	—
Mobile Home Park	237	—
User Defined Industrial	0.00	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Mobile Home Park	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Mobile Home Park	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Mobile Home Park	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Mobile Home Park	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Mobile Home Park	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0

Mobile Home Park	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Mobile Home Park	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Mobile Home Park	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

5.15.2. Mitigated

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

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

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

5.16.2. Process Boilers

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

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

5.18.2.2. Mitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	21.5	annual days of extreme heat
Extreme Precipitation	0.50	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.23	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	2	3	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	3	2	3	2
Snowpack Reduction	N/A	N/A	N/A	N/A

Air Quality Degradation	5	2	3	3

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

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	2	3	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	3	2	3	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	5	2	3	3

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—

AQ-Ozone	77.1
AQ-PM	7.31
AQ-DPM	9.38
Drinking Water	67.0
Lead Risk Housing	31.7
Pesticides	95.0
Toxic Releases	3.14
Traffic	6.09
Effect Indicators	—
CleanUp Sites	22.6
Groundwater	0.00
Haz Waste Facilities/Generators	35.6
Impaired Water Bodies	97.5
Solid Waste	83.3
Sensitive Population	—
Asthma	21.2
Cardio-vascular	47.3
Low Birth Weights	53.8
Socioeconomic Factor Indicators	—
Education	96.2
Housing	77.2
Linguistic	99.1
Poverty	95.5
Unemployment	93.8

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	2.527909663
Employed	8.956756063
Median HI	7.262928269
Education	—
Bachelor's or higher	24.75298345
High school enrollment	22.50737842
Preschool enrollment	7.814705505
Transportation	—
Auto Access	49.51879892
Active commuting	13.6147825
Social	—
2-parent households	34.82612601
Voting	66.44424484
Neighborhood	—
Alcohol availability	91.1587322
Park access	5.389452072
Retail density	5.864237136
Supermarket access	2.399589375
Tree canopy	8.404978827
Housing	—
Homeownership	77.35146927
Housing habitability	8.956756063
Low-inc homeowner severe housing cost burden	12.29308354
Low-inc renter severe housing cost burden	61.6963942
Uncrowded housing	15.89888361

Health Outcomes	—
Insured adults	2.463749519
Arthritis	0.0
Asthma ER Admissions	63.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	81.1
Cognitively Disabled	76.7
Physically Disabled	74.5
Heart Attack ER Admissions	49.3
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	39.9
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0

Children	16.3
Elderly	50.9
English Speaking	2.2
Foreign-born	93.3
Outdoor Workers	0.1
Climate Change Adaptive Capacity	—
Impervious Surface Cover	96.0
Traffic Density	2.2
Traffic Access	23.0
Other Indices	—
Hardship	97.8
Other Decision Support	—
2016 Voting	63.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	66.0
Healthy Places Index Score for Project Location (b)	6.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	EasternCoachellaValley

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

7.4. Health & Equity Measures

Measure Title	Co-Benefits Achieved
IC-2: Adopt Design Standards	—

IC-3: Promotes Accessibility	—
IC-4: Enhanced Open and Green Spaces	—
IC-7: Equal Access to Building Amenities	—
IC-8: Enhanced Access to Community Resources	—

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	See TRSP AQ/GHG report Table 6-1 CalEEMod Land Use Assumptions. Landscaping acreage from TRSP DEIR Table 2.12-5 Projected Outdoor Irrigation Water Demand. Assumes average RV is 500 SF.
Construction: Construction Phases	Construction phasing schedule is same duration as proposed Project.
Construction: Paving	Assumes 12 acres of hardscape for workforce housing. 5 acres of off site water tank location will be permanently disturbed, assumes paved.
Operations: Vehicle Data	Same trip rates used for Proposed Project analysis, per TIA. Assumes no H-O trips for RV residents (mobile home 320 units) who work on-site.
Operations: Hearths	Assumes wood burning fireplaces are limited to single family estates. Workforce housing and condos will not have wood burning hearths. No wood burning stoves proposed.
Operations: Energy Use	2017 buildout would not have been subjected to 2019 Title 24 standards. RV park does not use natural gas. The equestrian stables (unrefrigerated warehouse) do not use natural gas.

Thermal Ranch Specific Plan - Alternative B Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Thermal Ranch Specific Plan - Alternative B
Construction Start Date	1/1/2026
Operational Year	2032
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	8.80
Location	33.59088711062806, -116.17302750036589
County	Riverside-Salton Sea
City	Unincorporated
Air District	South Coast AQMD
Air Basin	Salton Sea
TAZ	5697
EDFZ	19
Electric Utility	Imperial Irrigation District
Gas Utility	Southern California Gas
App Version	2022.1.1.24

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

Hotel	150	Room	8.10	217,800	236,967	—	—	—
Regional Shopping Center	100	1000sqft	25.6	100,000	236,967	—	—	—
Condo/Townhouse	210	Dwelling Unit	42.1	222,600	236,967	—	678	—
Strip Mall	75.0	1000sqft	1.72	75,000	1,728,542	865,891	—	—
General Office Building	10.0	1000sqft	0.23	10,000	1,728,542	865,891	—	—
Unrefrigerated Warehouse-No Rail	598	1000sqft	182	598,000	1,728,542	865,891	—	—
Single Family Housing	178	Dwelling Unit	264	347,100	8,012,862	—	575	—
Mobile Home Park	500	Dwelling Unit	18.3	158,530	358,063	—	1,615	—
Mobile Home Park	320	Dwelling Unit	22.8	160,000	358,063	—	1,034	—
User Defined Industrial	1.00	User Defined Unit	13.6	20,867	0.00	—	—	—
Parking Lot	4,302	Space	38.7	0.00	0.00	—	—	—
Other Asphalt Surfaces	15.3	Acre	15.3	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-7	Use Oxidation Catalyst
Construction	C-9	Use Dust Suppressants
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Construction	C-12	Sweep Paved Roads
Transportation	T-14*	Provide Electric Vehicle Charging Infrastructure
Transportation	T-34*	Provide Bike Parking
Transportation	T-53*	Electrify Loading Docks

Energy	E-1	Buildings Exceed 2019 Title 24 Building Envelope Energy Efficiency Standards
Energy	E-2	Require Energy Efficient Appliances
Energy	E-7*	Require Higher Efficacy Public Street and Area Lighting
Energy	E-10-B	Establish Onsite Renewable Energy Systems: Solar Power
Water	W-5	Design Water-Efficient Landscapes
Area Sources	AS-1	Use Low-VOC Cleaning Supplies

* 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.	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Unmit.	21.9	56.8	141	0.11	22.5	7.67	76.3	34,111
Mit.	21.9	48.4	141	0.11	22.5	7.67	76.3	34,111
% Reduced	—	15%	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Unmit.	20.8	56.8	91.8	0.11	22.5	7.67	1.98	30,999
Mit.	20.8	48.4	91.8	0.11	22.5	7.67	1.98	30,999
% Reduced	—	15%	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—
Unmit.	14.9	31.9	73.2	0.08	16.0	4.40	22.2	22,598
Mit.	14.9	27.1	73.2	0.08	16.0	4.40	22.2	22,598
% Reduced	—	15%	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—
Unmit.	2.71	5.82	13.4	0.01	2.91	0.80	3.68	3,741

Mit.	2.71	4.95	13.4	0.01	2.91	0.80	3.68	3,741
% Reduced	—	15%	—	—	—	—	—	—
Exceeds (Daily Max)	—	—	—	—	—	—	—	—
Threshold	75.0	100	550	150	150	55.0	—	—
Unmit.	No	No	No	No	No	No	—	—
Mit.	No	No	No	No	No	No	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—
Threshold	75.0	100	550	150	150	55.0	—	—
Unmit.	No	No	No	No	No	No	—	—
Mit.	No	No	No	No	No	No	—	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—
2026	6.36	56.8	59.8	0.11	14.2	7.67	2.20	12,722
2027	7.52	30.7	128	0.10	19.4	5.19	74.0	31,088
2028	21.9	30.8	141	0.11	22.5	5.88	76.3	34,111
2029	21.5	29.3	133	0.11	22.5	5.84	68.9	33,482
2030	20.5	28.0	127	0.11	22.4	5.80	62.0	32,889
2031	20.2	27.2	120	0.11	22.4	5.78	55.6	32,319
2032	20.0	26.0	114	0.11	22.4	5.75	49.6	31,600
Daily - Winter (Max)	—	—	—	—	—	—	—	—
2026	6.33	56.8	58.3	0.11	14.2	7.67	0.09	12,639
2027	6.59	54.0	84.5	0.11	19.4	7.54	1.92	28,424
2028	20.8	32.1	91.8	0.11	22.5	5.88	1.98	30,999

2029	19.9	30.5	87.9	0.11	22.5	5.84	1.79	30,440
2030	19.7	29.2	83.4	0.11	22.4	5.80	1.61	29,909
2031	19.5	27.8	79.6	0.11	22.4	5.78	1.44	29,397
2032	19.2	27.1	76.5	0.11	22.4	5.75	1.29	28,909
Average Daily	—	—	—	—	—	—	—	—
2026	3.54	31.9	32.7	0.06	8.10	4.40	0.60	6,911
2027	3.91	23.7	49.2	0.07	9.77	3.33	11.7	13,782
2028	9.91	21.7	72.3	0.08	14.9	3.92	22.2	21,917
2029	14.9	21.1	73.2	0.08	16.0	4.15	21.3	22,598
2030	14.2	20.6	69.6	0.08	15.9	4.12	19.1	22,202
2031	14.0	19.7	66.1	0.08	15.9	4.11	17.1	21,821
2032	12.7	17.3	58.5	0.07	14.6	3.76	14.0	19,752
Annual	—	—	—	—	—	—	—	—
2026	0.65	5.82	5.96	0.01	1.48	0.80	0.10	1,144
2027	0.71	4.32	8.98	0.01	1.78	0.61	1.94	2,282
2028	1.81	3.96	13.2	0.01	2.72	0.72	3.68	3,629
2029	2.71	3.85	13.4	0.01	2.91	0.76	3.52	3,741
2030	2.59	3.76	12.7	0.01	2.91	0.75	3.16	3,676
2031	2.56	3.59	12.1	0.01	2.91	0.75	2.84	3,613
2032	2.33	3.16	10.7	0.01	2.67	0.69	2.32	3,270

2.3. Construction Emissions by Year, Mitigated

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

Year	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—
2026	6.36	48.4	59.8	0.11	14.2	7.67	2.20	12,722

2027	7.52	28.3	128	0.10	19.4	5.19	74.0	31,088
2028	21.9	28.3	141	0.11	22.5	5.88	76.3	34,111
2029	21.5	26.9	133	0.11	22.5	5.84	68.9	33,482
2030	20.5	25.6	127	0.11	22.4	5.80	62.0	32,889
2031	20.2	24.9	120	0.11	22.4	5.78	55.6	32,319
2032	20.0	23.8	114	0.11	22.4	5.75	49.6	31,600
Daily - Winter (Max)	—	—	—	—	—	—	—	—
2026	6.33	48.4	58.3	0.11	14.2	7.67	0.09	12,639
2027	6.59	46.0	84.5	0.11	19.4	7.54	1.92	28,424
2028	20.8	29.6	91.8	0.11	22.5	5.88	1.98	30,999
2029	19.9	28.1	87.9	0.11	22.5	5.84	1.79	30,440
2030	19.7	26.9	83.4	0.11	22.4	5.80	1.61	29,909
2031	19.5	25.5	79.6	0.11	22.4	5.78	1.44	29,397
2032	19.2	24.9	76.5	0.11	22.4	5.75	1.29	28,909
Average Daily	—	—	—	—	—	—	—	—
2026	3.54	27.1	32.7	0.06	8.10	4.40	0.60	6,911
2027	3.91	20.9	49.2	0.07	9.77	3.33	11.7	13,782
2028	9.91	20.0	72.3	0.08	14.9	3.92	22.2	21,917
2029	14.9	19.4	73.2	0.08	16.0	4.15	21.3	22,598
2030	14.2	19.0	69.6	0.08	15.9	4.12	19.1	22,202
2031	14.0	18.1	66.1	0.08	15.9	4.11	17.1	21,821
2032	12.7	15.8	58.5	0.07	14.6	3.76	14.0	19,752
Annual	—	—	—	—	—	—	—	—
2026	0.65	4.95	5.96	0.01	1.48	0.80	0.10	1,144
2027	0.71	3.82	8.98	0.01	1.78	0.61	1.94	2,282
2028	1.81	3.64	13.2	0.01	2.72	0.72	3.68	3,629
2029	2.71	3.55	13.4	0.01	2.91	0.76	3.52	3,741

2030	2.59	3.46	12.7	0.01	2.91	0.75	3.16	3,676
2031	2.56	3.30	12.1	0.01	2.91	0.75	2.84	3,613
2032	2.33	2.89	10.7	0.01	2.67	0.69	2.32	3,270

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Unmit.	102	62.8	559	1.30	109	29.4	539	170,426
Mit.	99.1	62.1	559	1.30	109	29.4	539	164,837
% Reduced	3%	1%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	3%
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Unmit.	81.9	65.3	309	1.17	109	29.4	353	156,800
Mit.	78.8	64.6	309	1.16	109	29.3	353	151,212
% Reduced	4%	1%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	4%
Average Daily (Max)	—	—	—	—	—	—	—	—
Unmit.	83.9	45.4	345	0.96	89.6	23.7	416	127,688
Mit.	80.8	44.8	345	0.96	89.5	23.6	416	122,099
% Reduced	4%	1%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	4%
Annual (Max)	—	—	—	—	—	—	—	—
Unmit.	15.3	8.29	63.0	0.18	16.3	4.32	69.0	21,140
Mit.	14.7	8.17	62.9	0.18	16.3	4.32	69.0	20,215
% Reduced	4%	1%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	4%
Exceeds (Daily Max)	—	—	—	—	—	—	—	—
Threshold	55.0	55.0	550	150	150	55.0	—	—
Unmit.	Yes	Yes	Yes	No	No	No	—	—
Mit.	Yes	Yes	Yes	No	No	No	—	—

Exceeds (Average Daily)	—	—	—	—	—	—	—	—
Threshold	55.0	55.0	550	150	150	55.0	—	—
Unmit.	Yes	No	No	No	No	No	—	—
Mit.	Yes	No	No	No	No	No	—	—

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Mobile	42.4	41.0	436	1.16	107	27.7	191	120,751
Area	59.3	13.4	119	0.08	1.11	1.09	—	17,206
Energy	0.48	8.32	4.52	0.05	0.66	0.66	—	25,627
Water	—	—	—	—	—	—	—	3,171
Waste	—	—	—	—	—	—	—	3,322
Refrig.	—	—	—	—	—	—	348	348
Total	102	62.8	559	1.30	109	29.4	539	170,426
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Mobile	35.4	44.5	299	1.03	107	27.7	4.95	107,493
Area	46.1	12.4	5.29	0.08	1.00	1.00	—	16,839
Energy	0.48	8.32	4.52	0.05	0.66	0.66	—	25,627
Water	—	—	—	—	—	—	—	3,171
Waste	—	—	—	—	—	—	—	3,322
Refrig.	—	—	—	—	—	—	348	348
Total	81.9	65.3	309	1.17	109	29.4	353	156,800
Average Daily	—	—	—	—	—	—	—	—
Mobile	31.5	35.8	285	0.90	88.8	22.9	68.7	93,885

Area	51.9	1.35	56.2	0.01	0.12	0.11	—	1,334
Energy	0.48	8.32	4.52	0.05	0.66	0.66	—	25,627
Water	—	—	—	—	—	—	—	3,171
Waste	—	—	—	—	—	—	—	3,322
Refrig.	—	—	—	—	—	—	348	348
Total	83.9	45.4	345	0.96	89.6	23.7	416	127,688
Annual	—	—	—	—	—	—	—	—
Mobile	5.75	6.53	51.9	0.16	16.2	4.18	11.4	15,544
Area	9.48	0.25	10.3	< 0.005	0.02	0.02	—	221
Energy	0.09	1.52	0.82	0.01	0.12	0.12	—	4,243
Water	—	—	—	—	—	—	—	525
Waste	—	—	—	—	—	—	—	550
Refrig.	—	—	—	—	—	—	57.6	57.6
Total	15.3	8.29	63.0	0.18	16.3	4.32	69.0	21,140

2.6. Operations Emissions by Sector, Mitigated

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

Sector	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Mobile	42.4	41.0	436	1.16	107	27.7	191	120,751
Area	56.2	13.4	119	0.08	1.11	1.09	—	17,206
Energy	0.44	7.64	4.17	0.05	0.61	0.61	—	20,065
Water	—	—	—	—	—	—	—	3,145
Waste	—	—	—	—	—	—	—	3,322
Refrig.	—	—	—	—	—	—	348	348
Total	99.1	62.1	559	1.30	109	29.4	539	164,837
Daily, Winter (Max)	—	—	—	—	—	—	—	—

Mobile	35.4	44.5	299	1.03	107	27.7	4.95	107,493
Area	43.0	12.4	5.29	0.08	1.00	1.00	—	16,839
Energy	0.44	7.64	4.17	0.05	0.61	0.61	—	20,065
Water	—	—	—	—	—	—	—	3,145
Waste	—	—	—	—	—	—	—	3,322
Refrig.	—	—	—	—	—	—	348	348
Total	78.8	64.6	309	1.16	109	29.3	353	151,212
Average Daily	—	—	—	—	—	—	—	—
Mobile	31.5	35.8	285	0.90	88.8	22.9	68.7	93,885
Area	48.9	1.35	56.2	0.01	0.12	0.11	—	1,334
Energy	0.44	7.64	4.17	0.05	0.61	0.61	—	20,065
Water	—	—	—	—	—	—	—	3,145
Waste	—	—	—	—	—	—	—	3,322
Refrig.	—	—	—	—	—	—	348	348
Total	80.8	44.8	345	0.96	89.5	23.6	416	122,099
Annual	—	—	—	—	—	—	—	—
Mobile	5.75	6.53	51.9	0.16	16.2	4.18	11.4	15,544
Area	8.92	0.25	10.3	< 0.005	0.02	0.02	—	221
Energy	0.08	1.39	0.76	0.01	0.11	0.11	—	3,322
Water	—	—	—	—	—	—	—	521
Waste	—	—	—	—	—	—	—	550
Refrig.	—	—	—	—	—	—	57.6	57.6
Total	14.7	8.17	62.9	0.18	16.3	4.32	69.0	20,215

3. Construction Emissions Details

3.1. Demolition (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.29	20.7	19.0	0.03	0.84	0.78	—	3,438
Demolition	—	—	—	—	1.18	0.18	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	1.70	1.56	< 0.005	0.07	0.06	—	283
Demolition	—	—	—	—	0.10	0.01	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.31	0.29	< 0.005	0.01	0.01	—	46.8
Demolition	—	—	—	—	0.02	< 0.005	—	—
Onsite truck	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	0.08	0.75	0.00	0.20	0.05	0.02	188
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	1.68	0.37	0.01	0.41	0.13	0.08	1,474
Average Daily	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.08	0.00	0.02	< 0.005	0.02	16.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.14	0.03	< 0.005	0.03	0.01	0.10	121
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	< 0.005	< 0.005	< 0.005	2.73

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	0.01	< 0.005	0.01	< 0.005	0.02	20.1

3.2. Demolition (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.29	17.6	19.0	0.03	0.84	0.78	—	3,438
Demolition	—	—	—	—	1.18	0.18	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	1.44	1.56	< 0.005	0.07	0.06	—	283
Demolition	—	—	—	—	0.10	0.01	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.26	0.29	< 0.005	0.01	0.01	—	46.8
Demolition	—	—	—	—	0.02	< 0.005	—	—
Onsite truck	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	0.08	0.75	0.00	0.20	0.05	0.02	188
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	1.68	0.37	0.01	0.41	0.13	0.08	1,474
Average Daily	—	—	—	—	—	—	—	—

Worker	< 0.005	0.01	0.08	0.00	0.02	< 0.005	0.02	16.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.14	0.03	< 0.005	0.03	0.01	0.10	121
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	< 0.005	< 0.005	< 0.005	2.73
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	0.01	< 0.005	0.01	< 0.005	0.02	20.1

3.3. Site Preparation (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.14	29.2	28.8	0.05	1.24	1.14	—	5,316
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.14	29.2	28.8	0.05	1.24	1.14	—	5,316
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.99	18.4	18.2	0.03	0.79	0.72	—	3,360
Dust From Material Movement	—	—	—	—	4.85	2.49	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—

Off-Road Equipment	0.36	3.36	3.32	0.01	0.14	0.13	—	556
Dust From Material Movement	—	—	—	—	0.88	0.45	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.08	0.08	1.55	0.00	0.23	0.05	0.81	258
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.07	0.09	0.88	0.00	0.23	0.05	0.02	219
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.69	0.00	0.14	0.03	0.22	148
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.13	0.00	0.03	0.01	0.04	24.5
Vendor	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

3.4. Site Preparation (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Off-Road Equipment	3.14	24.8	28.8	0.05	1.24	1.14	—	5,316
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.14	24.8	28.8	0.05	1.24	1.14	—	5,316
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.99	15.7	18.2	0.03	0.79	0.72	—	3,360
Dust From Material Movement	—	—	—	—	4.85	2.49	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	2.86	3.32	0.01	0.14	0.13	—	556
Dust From Material Movement	—	—	—	—	0.88	0.45	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.08	0.08	1.55	0.00	0.23	0.05	0.81	258
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.07	0.09	0.88	0.00	0.23	0.05	0.02	219
Vendor	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
Average Daily	—	—	—	—	—	—	—	—

Worker	0.04	0.05	0.69	0.00	0.14	0.03	0.22	148
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.13	0.00	0.03	0.01	0.04	24.5
Vendor	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

3.5. Site Preparation (2027) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.05	28.0	28.3	0.05	1.17	1.08	—	5,316
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	3.28	3.32	0.01	0.14	0.13	—	624
Dust From Material Movement	—	—	—	—	0.90	0.46	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.60	0.61	< 0.005	0.03	0.02	—	103
Dust From Material Movement	—	—	—	—	0.16	0.08	—	—
Onsite truck	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	0.08	0.82	0.00	0.23	0.05	0.02	215
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.12	0.00	0.03	0.01	0.04	27.0
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	< 0.005	< 0.005	0.01	4.47
Vendor	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

3.6. Site Preparation (2027) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.05	23.8	28.3	0.05	1.17	1.08	—	5,316
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	2.79	3.32	0.01	0.14	0.13	—	624

Dust From Material Movement	—	—	—	—	0.90	0.46	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.51	0.61	< 0.005	0.03	0.02	—	103
Dust From Material Movement	—	—	—	—	0.16	0.08	—	—
Onsite truck	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	0.08	0.82	0.00	0.23	0.05	0.02	215
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.12	0.00	0.03	0.01	0.04	27.0
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	< 0.005	< 0.005	0.01	4.47
Vendor	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

3.7. Grading (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Off-Road Equipment	3.04	27.2	27.6	0.06	1.12	1.03	—	6,621
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.04	27.2	27.6	0.06	1.12	1.03	—	6,621
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.27	11.4	11.5	0.03	0.47	0.43	—	2,773
Dust From Material Movement	—	—	—	—	1.50	0.60	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	2.08	2.11	< 0.005	0.09	0.08	—	459
Dust From Material Movement	—	—	—	—	0.27	0.11	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.09	0.10	1.77	0.00	0.26	0.06	0.93	295
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.25	0.06	< 0.005	0.06	0.02	0.46	232
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.07	0.10	1.00	0.00	0.26	0.06	0.02	251
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.26	0.06	< 0.005	0.06	0.02	0.01	232
Average Daily	—	—	—	—	—	—	—	—

Worker	0.03	0.04	0.53	0.00	0.11	0.03	0.17	112
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.11	0.02	< 0.005	0.03	0.01	0.08	97.0
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.02	< 0.005	0.03	18.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	0.01	16.1

3.8. Grading (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.04	23.1	27.6	0.06	1.12	1.03	—	6,621
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.04	23.1	27.6	0.06	1.12	1.03	—	6,621
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.27	9.69	11.5	0.03	0.47	0.43	—	2,773
Dust From Material Movement	—	—	—	—	1.50	0.60	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—

Off-Road Equipment	0.23	1.77	2.11	< 0.005	0.09	0.08	—	459
Dust From Material Movement	—	—	—	—	0.27	0.11	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.09	0.10	1.77	0.00	0.26	0.06	0.93	295
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.25	0.06	< 0.005	0.06	0.02	0.46	232
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.07	0.10	1.00	0.00	0.26	0.06	0.02	251
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.26	0.06	< 0.005	0.06	0.02	0.01	232
Average Daily	—	—	—	—	—	—	—	—
Worker	0.03	0.04	0.53	0.00	0.11	0.03	0.17	112
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.11	0.02	< 0.005	0.03	0.01	0.08	97.0
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.02	< 0.005	0.03	18.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	0.01	16.1

3.9. Grading (2027) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Off-Road Equipment	2.95	25.6	27.3	0.06	1.04	0.96	—	6,621
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.95	25.6	27.3	0.06	1.04	0.96	—	6,621
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.04	9.06	9.66	0.02	0.37	0.34	—	2,345
Dust From Material Movement	—	—	—	—	1.27	0.50	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	1.65	1.76	< 0.005	0.07	0.06	—	388
Dust From Material Movement	—	—	—	—	0.23	0.09	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.09	0.09	1.65	0.00	0.26	0.06	0.84	289
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.24	0.06	< 0.005	0.06	0.02	0.43	226
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.07	0.09	0.94	0.00	0.26	0.06	0.02	246
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.26	0.06	< 0.005	0.06	0.02	0.01	226
Average Daily	—	—	—	—	—	—	—	—

Worker	0.03	0.03	0.42	0.00	0.09	0.02	0.13	93.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.09	0.02	< 0.005	0.02	0.01	0.07	80.0
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.08	0.00	0.02	< 0.005	0.02	15.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	0.01	13.3

3.10. Grading (2027) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.95	21.7	27.3	0.06	1.04	0.96	—	6,621
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.95	21.7	27.3	0.06	1.04	0.96	—	6,621
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.04	7.70	9.66	0.02	0.37	0.34	—	2,345
Dust From Material Movement	—	—	—	—	1.27	0.50	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—

Off-Road Equipment	0.19	1.41	1.76	< 0.005	0.07	0.06	—	388
Dust From Material Movement	—	—	—	—	0.23	0.09	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.09	0.09	1.65	0.00	0.26	0.06	0.84	289
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.24	0.06	< 0.005	0.06	0.02	0.43	226
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.07	0.09	0.94	0.00	0.26	0.06	0.02	246
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.26	0.06	< 0.005	0.06	0.02	0.01	226
Average Daily	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.42	0.00	0.09	0.02	0.13	93.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.09	0.02	< 0.005	0.02	0.01	0.07	80.0
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.08	0.00	0.02	< 0.005	0.02	15.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	0.01	13.3

3.11. Building Construction (2027) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Off-Road Equipment	1.03	9.39	12.9	0.02	0.34	0.31	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.03	9.39	12.9	0.02	0.34	0.31	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.37	3.38	4.66	0.01	0.12	0.11	—	866
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.62	0.85	< 0.005	0.02	0.02	—	143
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	5.23	5.27	100	0.00	15.9	3.73	51.1	17,559
Vendor	0.34	9.05	3.95	0.07	2.67	0.83	22.3	9,391
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	4.34	5.77	56.9	0.00	15.9	3.73	1.33	14,940
Vendor	0.31	9.72	4.03	0.07	2.67	0.83	0.58	9,379
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	1.65	1.88	25.7	0.00	5.69	1.33	7.94	5,751
Vendor	0.12	3.41	1.42	0.03	0.96	0.30	3.47	3,378
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.30	0.34	4.68	0.00	1.04	0.24	1.32	952
Vendor	0.02	0.62	0.26	< 0.005	0.17	0.05	0.57	559

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Construction (2027) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.03	7.98	12.9	0.02	0.34	0.31	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.03	7.98	12.9	0.02	0.34	0.31	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.37	2.87	4.66	0.01	0.12	0.11	—	866
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.52	0.85	< 0.005	0.02	0.02	—	143
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	5.23	5.27	100	0.00	15.9	3.73	51.1	17,559
Vendor	0.34	9.05	3.95	0.07	2.67	0.83	22.3	9,391
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	4.34	5.77	56.9	0.00	15.9	3.73	1.33	14,940
Vendor	0.31	9.72	4.03	0.07	2.67	0.83	0.58	9,379
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—
Worker	1.65	1.88	25.7	0.00	5.69	1.33	7.94	5,751
Vendor	0.12	3.41	1.42	0.03	0.96	0.30	3.47	3,378
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.30	0.34	4.68	0.00	1.04	0.24	1.32	952
Vendor	0.02	0.62	0.26	< 0.005	0.17	0.05	0.57	559
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Building Construction (2028) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.99	8.92	12.9	0.02	0.30	0.28	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.99	8.92	12.9	0.02	0.30	0.28	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.71	6.39	9.26	0.02	0.22	0.20	—	1,723
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.17	1.69	< 0.005	0.04	0.04	—	285
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Worker	5.01	4.72	93.7	0.00	15.9	3.73	46.0	17,225
Vendor	0.28	8.67	3.73	0.07	2.67	0.83	20.6	9,172
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	4.18	5.24	52.7	0.00	15.9	3.73	1.19	14,666
Vendor	0.24	9.35	3.87	0.07	2.67	0.83	0.54	9,164
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	3.15	3.36	47.4	0.00	11.3	2.65	14.2	11,227
Vendor	0.18	6.51	2.71	0.05	1.90	0.60	6.38	6,565
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.57	0.61	8.66	0.00	2.07	0.48	2.36	1,859
Vendor	0.03	1.19	0.49	0.01	0.35	0.11	1.06	1,087
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Building Construction (2028) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.99	7.59	12.9	0.02	0.30	0.28	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.99	7.59	12.9	0.02	0.30	0.28	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—

Off-Road Equipment	0.71	5.43	9.26	0.02	0.22	0.20	—	1,723
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.99	1.69	< 0.005	0.04	0.04	—	285
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	5.01	4.72	93.7	0.00	15.9	3.73	46.0	17,225
Vendor	0.28	8.67	3.73	0.07	2.67	0.83	20.6	9,172
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	4.18	5.24	52.7	0.00	15.9	3.73	1.19	14,666
Vendor	0.24	9.35	3.87	0.07	2.67	0.83	0.54	9,164
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	3.15	3.36	47.4	0.00	11.3	2.65	14.2	11,227
Vendor	0.18	6.51	2.71	0.05	1.90	0.60	6.38	6,565
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.57	0.61	8.66	0.00	2.07	0.48	2.36	1,859
Vendor	0.03	1.19	0.49	0.01	0.35	0.11	1.06	1,087
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Building Construction (2029) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.97	8.58	12.9	0.02	0.28	0.25	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.97	8.58	12.9	0.02	0.28	0.25	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	6.13	9.22	0.02	0.20	0.18	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.12	1.68	< 0.005	0.04	0.03	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	4.75	4.20	87.3	0.00	15.9	3.73	41.2	16,915
Vendor	0.27	8.36	3.58	0.07	2.67	0.83	19.0	8,921
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	3.47	4.69	49.7	0.00	15.9	3.73	1.07	14,411
Vendor	0.24	8.97	3.72	0.07	2.67	0.83	0.49	8,914
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	3.01	2.96	44.1	0.00	11.3	2.65	12.7	10,999
Vendor	0.18	6.23	2.60	0.05	1.90	0.59	5.84	6,367
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.55	0.54	8.05	0.00	2.06	0.48	2.11	1,821

Vendor	0.03	1.14	0.47	0.01	0.35	0.11	0.97	1,054
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Building Construction (2029) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.97	7.29	12.9	0.02	0.28	0.25	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.97	7.29	12.9	0.02	0.28	0.25	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	5.21	9.22	0.02	0.20	0.18	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.95	1.68	< 0.005	0.04	0.03	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	4.75	4.20	87.3	0.00	15.9	3.73	41.2	16,915
Vendor	0.27	8.36	3.58	0.07	2.67	0.83	19.0	8,921
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	3.47	4.69	49.7	0.00	15.9	3.73	1.07	14,411
Vendor	0.24	8.97	3.72	0.07	2.67	0.83	0.49	8,914

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	3.01	2.96	44.1	0.00	11.3	2.65	12.7	10,999
Vendor	0.18	6.23	2.60	0.05	1.90	0.59	5.84	6,367
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.55	0.54	8.05	0.00	2.06	0.48	2.11	1,821
Vendor	0.03	1.14	0.47	0.01	0.35	0.11	0.97	1,054
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Building Construction (2030) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	8.39	12.9	0.02	0.26	0.24	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	8.39	12.9	0.02	0.26	0.24	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	5.99	9.20	0.02	0.19	0.17	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	1.09	1.68	< 0.005	0.03	0.03	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	4.01	3.67	81.8	0.00	15.9	3.73	36.8	16,625
Vendor	0.27	8.05	3.50	0.07	2.67	0.83	17.4	8,678
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	3.37	4.17	46.1	0.00	15.9	3.73	0.96	14,174
Vendor	0.24	8.67	3.56	0.07	2.67	0.83	0.45	8,671
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	2.50	2.94	41.3	0.00	11.3	2.65	11.3	10,815
Vendor	0.18	6.00	2.49	0.05	1.90	0.59	5.35	6,195
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.46	0.54	7.54	0.00	2.06	0.48	1.88	1,791
Vendor	0.03	1.10	0.45	0.01	0.35	0.11	0.89	1,026
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.18. Building Construction (2030) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	7.13	12.9	0.02	0.26	0.24	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	7.13	12.9	0.02	0.26	0.24	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	5.10	9.20	0.02	0.19	0.17	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.93	1.68	< 0.005	0.03	0.03	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	4.01	3.67	81.8	0.00	15.9	3.73	36.8	16,625
Vendor	0.27	8.05	3.50	0.07	2.67	0.83	17.4	8,678
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	3.37	4.17	46.1	0.00	15.9	3.73	0.96	14,174
Vendor	0.24	8.67	3.56	0.07	2.67	0.83	0.45	8,671
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	2.50	2.94	41.3	0.00	11.3	2.65	11.3	10,815
Vendor	0.18	6.00	2.49	0.05	1.90	0.59	5.35	6,195
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.46	0.54	7.54	0.00	2.06	0.48	1.88	1,791
Vendor	0.03	1.10	0.45	0.01	0.35	0.11	0.89	1,026
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.19. Building Construction (2031) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e

Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	8.12	12.8	0.02	0.24	0.22	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	8.12	12.8	0.02	0.24	0.22	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.66	5.80	9.18	0.02	0.17	0.16	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	1.06	1.67	< 0.005	0.03	0.03	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	3.79	3.62	76.4	0.00	15.9	3.73	32.8	16,360
Vendor	0.27	7.75	3.34	0.07	2.67	0.83	15.7	8,430
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	3.18	3.65	43.1	0.00	15.9	3.73	0.85	13,955
Vendor	0.24	8.36	3.48	0.07	2.67	0.83	0.41	8,424
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	2.37	2.57	38.5	0.00	11.3	2.65	10.1	10,646
Vendor	0.18	5.84	2.43	0.05	1.90	0.59	4.86	6,018
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—

Worker	0.43	0.47	7.03	0.00	2.06	0.48	1.68	1,763
Vendor	0.03	1.07	0.44	0.01	0.35	0.11	0.81	996
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.20. Building Construction (2031) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	6.90	12.8	0.02	0.24	0.22	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	6.90	12.8	0.02	0.24	0.22	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.66	4.93	9.18	0.02	0.17	0.16	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.90	1.67	< 0.005	0.03	0.03	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	3.79	3.62	76.4	0.00	15.9	3.73	32.8	16,360
Vendor	0.27	7.75	3.34	0.07	2.67	0.83	15.7	8,430
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	3.18	3.65	43.1	0.00	15.9	3.73	0.85	13,955

Vendor	0.24	8.36	3.48	0.07	2.67	0.83	0.41	8,424
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	2.37	2.57	38.5	0.00	11.3	2.65	10.1	10,646
Vendor	0.18	5.84	2.43	0.05	1.90	0.59	4.86	6,018
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.43	0.47	7.03	0.00	2.06	0.48	1.68	1,763
Vendor	0.03	1.07	0.44	0.01	0.35	0.11	0.81	996
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.21. Building Construction (2032) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	7.87	12.8	0.02	0.22	0.21	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	7.87	12.8	0.02	0.22	0.21	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	5.18	8.41	0.02	0.15	0.14	—	1,581
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.94	1.53	< 0.005	0.03	0.02	—	262
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	3.61	3.10	72.1	0.00	15.9	3.73	29.2	15,982
Vendor	0.26	7.58	3.26	0.07	2.67	0.83	14.2	8,170
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	3.02	3.59	40.7	0.00	15.9	3.73	0.76	13,766
Vendor	0.23	8.13	3.40	0.07	2.67	0.83	0.37	8,166
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	2.07	2.02	33.6	0.00	10.4	2.44	8.26	9,664
Vendor	0.16	5.22	2.18	0.04	1.75	0.55	4.03	5,370
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.38	0.37	6.13	0.00	1.90	0.44	1.37	1,600
Vendor	0.03	0.95	0.40	0.01	0.32	0.10	0.67	889
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.22. Building Construction (2032) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	6.69	12.8	0.02	0.22	0.21	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	6.69	12.8	0.02	0.22	0.21	—	2,405

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	4.40	8.41	0.02	0.15	0.14	—	1,581
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.80	1.53	< 0.005	0.03	0.02	—	262
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	3.61	3.10	72.1	0.00	15.9	3.73	29.2	15,982
Vendor	0.26	7.58	3.26	0.07	2.67	0.83	14.2	8,170
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	3.02	3.59	40.7	0.00	15.9	3.73	0.76	13,766
Vendor	0.23	8.13	3.40	0.07	2.67	0.83	0.37	8,166
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	2.07	2.02	33.6	0.00	10.4	2.44	8.26	9,664
Vendor	0.16	5.22	2.18	0.04	1.75	0.55	4.03	5,370
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.38	0.37	6.13	0.00	1.90	0.44	1.37	1,600
Vendor	0.03	0.95	0.40	0.01	0.32	0.10	0.67	889
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.23. Paving (2027) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	6.94	9.95	0.01	0.30	0.27	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	6.94	9.95	0.01	0.30	0.27	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	2.50	3.58	0.01	0.11	0.10	—	546
Paving	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.46	0.65	< 0.005	0.02	0.02	—	90.4
Paving	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.06	0.06	1.24	0.00	0.20	0.05	0.63	217
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.05	0.07	0.70	0.00	0.20	0.05	0.02	184
Vendor	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

Average Daily	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.32	0.00	0.07	0.02	0.10	70.9
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.06	0.00	0.01	< 0.005	0.02	11.7
Vendor	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

3.24. Paving (2027) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	5.90	9.95	0.01	0.30	0.27	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	5.90	9.95	0.01	0.30	0.27	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	2.13	3.58	0.01	0.11	0.10	—	546
Paving	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.39	0.65	< 0.005	0.02	0.02	—	90.4

Paving	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.06	0.06	1.24	0.00	0.20	0.05	0.63	217
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.05	0.07	0.70	0.00	0.20	0.05	0.02	184
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.32	0.00	0.07	0.02	0.10	70.9
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.06	0.00	0.01	< 0.005	0.02	11.7
Vendor	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

3.25. Paving (2028) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	6.63	9.91	0.01	0.26	0.24	—	1,516
Paving	0.12	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	6.63	9.91	0.01	0.26	0.24	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	4.75	7.10	0.01	0.18	0.17	—	1,086
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.87	1.30	< 0.005	0.03	0.03	—	180
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.06	0.06	1.16	0.00	0.20	0.05	0.57	212
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.65	0.00	0.20	0.05	0.01	181
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.59	0.00	0.14	0.03	0.18	138
Vendor	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
Annual	—	—	—	—	—	—	—	—

Worker	0.01	0.01	0.11	0.00	0.03	0.01	0.03	22.9
Vendor	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

3.26. Paving (2028) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	5.63	9.91	0.01	0.26	0.24	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	5.63	9.91	0.01	0.26	0.24	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	4.03	7.10	0.01	0.18	0.17	—	1,086
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.74	1.30	< 0.005	0.03	0.03	—	180
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.06	0.06	1.16	0.00	0.20	0.05	0.57	212

Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.65	0.00	0.20	0.05	0.01	181
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.59	0.00	0.14	0.03	0.18	138
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.11	0.00	0.03	0.01	0.03	22.9
Vendor	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

3.27. Paving (2029) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	6.46	9.92	0.01	0.24	0.22	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	6.46	9.92	0.01	0.24	0.22	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.48	4.61	7.08	0.01	0.17	0.16	—	1,083
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.84	1.29	< 0.005	0.03	0.03	—	179
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.06	0.05	1.08	0.00	0.20	0.05	0.51	209
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.06	0.61	0.00	0.20	0.05	0.01	178
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.54	0.00	0.14	0.03	0.16	136
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.03	0.01	0.03	22.5
Vendor	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

3.28. Paving (2029) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	5.49	9.92	0.01	0.24	0.22	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	5.49	9.92	0.01	0.24	0.22	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.48	3.92	7.08	0.01	0.17	0.16	—	1,083
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.72	1.29	< 0.005	0.03	0.03	—	179
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.06	0.05	1.08	0.00	0.20	0.05	0.51	209
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.06	0.61	0.00	0.20	0.05	0.01	178
Vendor	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

Average Daily	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.54	0.00	0.14	0.03	0.16	136
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.03	0.01	0.03	22.5
Vendor	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

3.29. Paving (2030) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	6.28	9.90	0.01	0.22	0.20	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	6.28	9.90	0.01	0.22	0.20	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	4.49	7.07	0.01	0.16	0.14	—	1,083
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.82	1.29	< 0.005	0.03	0.03	—	179

Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.05	0.05	1.01	0.00	0.20	0.05	0.45	205
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.57	0.00	0.20	0.05	0.01	175
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.03	0.04	0.51	0.00	0.14	0.03	0.14	133
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.03	0.01	0.02	22.1
Vendor	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

3.30. Paving (2030) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	5.34	9.90	0.01	0.22	0.20	—	1,516
Paving	0.12	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	5.34	9.90	0.01	0.22	0.20	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	3.81	7.07	0.01	0.16	0.14	—	1,083
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.70	1.29	< 0.005	0.03	0.03	—	179
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.05	0.05	1.01	0.00	0.20	0.05	0.45	205
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.57	0.00	0.20	0.05	0.01	175
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.03	0.04	0.51	0.00	0.14	0.03	0.14	133
Vendor	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
Annual	—	—	—	—	—	—	—	—

Worker	0.01	0.01	0.09	0.00	0.03	0.01	0.02	22.1
Vendor	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

3.31. Paving (2031) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	6.13	9.88	0.01	0.21	0.19	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	6.13	9.88	0.01	0.21	0.19	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	4.38	7.06	0.01	0.15	0.14	—	1,083
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.80	1.29	< 0.005	0.03	0.03	—	179
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.94	0.00	0.20	0.05	0.41	202

Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.53	0.00	0.20	0.05	0.01	172
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.47	0.00	0.14	0.03	0.12	131
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.03	0.01	0.02	21.7
Vendor	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

3.32. Paving (2031) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	5.21	9.88	0.01	0.21	0.19	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	5.21	9.88	0.01	0.21	0.19	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	3.72	7.06	0.01	0.15	0.14	—	1,083
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.68	1.29	< 0.005	0.03	0.03	—	179
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.94	0.00	0.20	0.05	0.41	202
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.53	0.00	0.20	0.05	0.01	172
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.47	0.00	0.14	0.03	0.12	131
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.03	0.01	0.02	21.7
Vendor	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

3.33. Paving (2032) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	6.00	9.86	0.01	0.20	0.18	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	6.00	9.86	0.01	0.20	0.18	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	3.94	6.48	0.01	0.13	0.12	—	997
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.72	1.18	< 0.005	0.02	0.02	—	165
Paving	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.89	0.00	0.20	0.05	0.36	197
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.50	0.00	0.20	0.05	0.01	170
Vendor	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

Average Daily	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.41	0.00	0.13	0.03	0.10	119
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.08	0.00	0.02	0.01	0.02	19.7
Vendor	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

3.34. Paving (2032) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	5.10	9.86	0.01	0.20	0.18	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	5.10	9.86	0.01	0.20	0.18	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	3.35	6.48	0.01	0.13	0.12	—	997
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.61	1.18	< 0.005	0.02	0.02	—	165

Paving	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.89	0.00	0.20	0.05	0.36	197
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.50	0.00	0.20	0.05	0.01	170
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.41	0.00	0.13	0.03	0.10	119
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.08	0.00	0.02	0.01	0.02	19.7
Vendor	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

3.35. Architectural Coating (2028) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.81	1.12	< 0.005	0.02	0.01	—	134

Architectural Coatings	13.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.81	1.12	< 0.005	0.02	0.01	—	134
Architectural Coatings	13.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.29	0.40	< 0.005	0.01	0.01	—	48.2
Architectural Coatings	4.90	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.05	0.07	< 0.005	< 0.005	< 0.005	—	7.99
Architectural Coatings	0.89	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	1.00	0.94	18.7	0.00	3.18	0.75	9.19	3,445
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.84	1.05	10.5	0.00	3.18	0.75	0.24	2,933
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.32	0.34	4.77	0.00	1.14	0.27	1.43	1,129

Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.87	0.00	0.21	0.05	0.24	187
Vendor	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

3.36. Architectural Coating (2028) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.69	1.12	< 0.005	0.02	0.01	—	134
Architectural Coatings	13.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.69	1.12	< 0.005	0.02	0.01	—	134
Architectural Coatings	13.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.25	0.40	< 0.005	0.01	0.01	—	48.2
Architectural Coatings	4.90	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.05	0.07	< 0.005	< 0.005	< 0.005	—	7.99

Architectural Coatings	0.89	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	1.00	0.94	18.7	0.00	3.18	0.75	9.19	3,445
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.84	1.05	10.5	0.00	3.18	0.75	0.24	2,933
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.32	0.34	4.77	0.00	1.14	0.27	1.43	1,129
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.87	0.00	0.21	0.05	0.24	187
Vendor	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

3.37. Architectural Coating (2029) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.79	1.11	< 0.005	0.01	0.01	—	134

Architectural Coatings	13.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.79	1.11	< 0.005	0.01	0.01	—	134
Architectural Coatings	13.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.57	0.79	< 0.005	0.01	0.01	—	95.7
Architectural Coatings	9.72	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.10	0.14	< 0.005	< 0.005	< 0.005	—	15.8
Architectural Coatings	1.77	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.95	0.84	17.5	0.00	3.18	0.75	8.24	3,383
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.69	0.94	9.93	0.00	3.18	0.75	0.21	2,882
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.60	0.59	8.82	0.00	2.26	0.53	2.54	2,200

Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.11	0.11	1.61	0.00	0.41	0.10	0.42	364
Vendor	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

3.38. Architectural Coating (2029) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.68	1.11	< 0.005	0.01	0.01	—	134
Architectural Coatings	13.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.68	1.11	< 0.005	0.01	0.01	—	134
Architectural Coatings	13.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.48	0.79	< 0.005	0.01	0.01	—	95.7
Architectural Coatings	9.72	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.09	0.14	< 0.005	< 0.005	< 0.005	—	15.8

Architectural Coatings	1.77	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.95	0.84	17.5	0.00	3.18	0.75	8.24	3,383
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.69	0.94	9.93	0.00	3.18	0.75	0.21	2,882
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.60	0.59	8.82	0.00	2.26	0.53	2.54	2,200
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.11	0.11	1.61	0.00	0.41	0.10	0.42	364
Vendor	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

3.39. Architectural Coating (2030) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.78	1.11	< 0.005	0.01	0.01	—	134

Architectural Coatings	13.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.78	1.11	< 0.005	0.01	0.01	—	134
Architectural Coatings	13.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.56	0.79	< 0.005	0.01	0.01	—	95.7
Architectural Coatings	9.72	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.10	0.14	< 0.005	< 0.005	< 0.005	—	15.8
Architectural Coatings	1.77	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.80	0.73	16.4	0.00	3.18	0.75	7.36	3,325
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.67	0.83	9.23	0.00	3.18	0.75	0.19	2,835
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.50	0.59	8.26	0.00	2.26	0.53	2.27	2,163

Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.09	0.11	1.51	0.00	0.41	0.10	0.38	358
Vendor	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

3.40. Architectural Coating (2030) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.67	1.11	< 0.005	0.01	0.01	—	134
Architectural Coatings	13.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.67	1.11	< 0.005	0.01	0.01	—	134
Architectural Coatings	13.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.48	0.79	< 0.005	0.01	0.01	—	95.7
Architectural Coatings	9.72	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.09	0.14	< 0.005	< 0.005	< 0.005	—	15.8

Architectural Coatings	1.77	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.80	0.73	16.4	0.00	3.18	0.75	7.36	3,325
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.67	0.83	9.23	0.00	3.18	0.75	0.19	2,835
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.50	0.59	8.26	0.00	2.26	0.53	2.27	2,163
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.09	0.11	1.51	0.00	0.41	0.10	0.38	358
Vendor	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

3.41. Architectural Coating (2031) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.78	1.10	< 0.005	0.01	0.01	—	134

Architectural Coatings	13.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.78	1.10	< 0.005	0.01	0.01	—	134
Architectural Coatings	13.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.55	0.79	< 0.005	0.01	0.01	—	95.7
Architectural Coatings	9.72	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.10	0.14	< 0.005	< 0.005	< 0.005	—	15.8
Architectural Coatings	1.77	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.76	0.72	15.3	0.00	3.18	0.75	6.57	3,272
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.64	0.73	8.63	0.00	3.18	0.75	0.17	2,791
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.47	0.51	7.70	0.00	2.26	0.53	2.03	2,129

Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.09	0.09	1.41	0.00	0.41	0.10	0.34	353
Vendor	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

3.42. Architectural Coating (2031) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.66	1.10	< 0.005	0.01	0.01	—	134
Architectural Coatings	13.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.66	1.10	< 0.005	0.01	0.01	—	134
Architectural Coatings	13.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.47	0.79	< 0.005	0.01	0.01	—	95.7
Architectural Coatings	9.72	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.09	0.14	< 0.005	< 0.005	< 0.005	—	15.8

Architectural Coatings	1.77	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.76	0.72	15.3	0.00	3.18	0.75	6.57	3,272
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.64	0.73	8.63	0.00	3.18	0.75	0.17	2,791
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.47	0.51	7.70	0.00	2.26	0.53	2.03	2,129
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.09	0.09	1.41	0.00	0.41	0.10	0.34	353
Vendor	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

3.43. Architectural Coating (2032) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.77	1.10	< 0.005	0.01	0.01	—	134

Architectural Coatings	13.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.77	1.10	< 0.005	0.01	0.01	—	134
Architectural Coatings	13.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.51	0.72	< 0.005	0.01	< 0.005	—	88.1
Architectural Coatings	8.95	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.09	0.13	< 0.005	< 0.005	< 0.005	—	14.6
Architectural Coatings	1.63	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.72	0.62	14.4	0.00	3.18	0.75	5.83	3,196
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.60	0.72	8.14	0.00	3.18	0.75	0.15	2,753
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.41	0.40	6.71	0.00	2.08	0.49	1.65	1,933

Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.08	0.07	1.23	0.00	0.38	0.09	0.27	320
Vendor	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

3.44. Architectural Coating (2032) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.65	1.10	< 0.005	0.01	0.01	—	134
Architectural Coatings	13.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.65	1.10	< 0.005	0.01	0.01	—	134
Architectural Coatings	13.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.43	0.72	< 0.005	0.01	< 0.005	—	88.1
Architectural Coatings	8.95	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.08	0.13	< 0.005	< 0.005	< 0.005	—	14.6

Architectural Coatings	1.63	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.72	0.62	14.4	0.00	3.18	0.75	5.83	3,196
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.60	0.72	8.14	0.00	3.18	0.75	0.15	2,753
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.41	0.40	6.71	0.00	2.08	0.49	1.65	1,933
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.08	0.07	1.23	0.00	0.38	0.09	0.27	320
Vendor	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

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	6.64	7.35	81.2	0.22	20.7	5.35	36.9	23,208
Regional Shopping Center	8.77	6.71	65.6	0.16	14.6	3.78	26.0	16,729
Condo/Townhouse	4.63	4.22	44.0	0.12	10.6	2.73	18.9	11,958
Strip Mall	9.58	10.6	117	0.32	29.9	7.71	53.2	33,448
General Office Building	0.33	0.37	4.08	0.01	1.04	0.27	1.86	1,166
Unrefrigerated Warehouse-No Rail	2.28	2.53	27.9	0.08	7.13	1.84	12.7	7,978
Single Family Housing	4.13	3.76	39.2	0.10	9.44	2.44	16.8	10,663
Mobile Home Park	6.06	5.51	57.4	0.15	13.8	3.57	24.6	15,601
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	42.4	41.0	436	1.16	107	27.7	191	120,751
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	5.58	7.99	54.3	0.20	20.7	5.35	0.96	20,642
Regional Shopping Center	7.23	7.24	47.6	0.14	14.6	3.78	0.68	14,925
Condo/Townhouse	3.85	4.57	30.5	0.10	10.6	2.73	0.49	10,650
Strip Mall	8.04	11.5	78.2	0.29	29.9	7.71	1.38	29,750
General Office Building	0.28	0.40	2.73	0.01	1.04	0.27	0.05	1,037
Unrefrigerated Warehouse-No Rail	1.92	2.75	18.7	0.07	7.13	1.84	0.33	7,096
Single Family Housing	3.43	4.07	27.2	0.09	9.44	2.44	0.44	9,497

Mobile Home Park	5.04	5.97	39.9	0.13	13.8	3.57	0.64	13,895
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	35.4	44.5	299	1.03	107	27.7	4.95	107,493
Annual	—	—	—	—	—	—	—	—
Hotel	0.91	1.20	9.78	0.03	3.22	0.83	2.26	3,064
Regional Shopping Center	1.26	1.10	8.24	0.02	2.23	0.58	1.57	2,185
Condo/Townhouse	0.63	0.68	5.32	0.02	1.62	0.42	1.14	1,562
Strip Mall	1.31	1.71	14.0	0.05	4.60	1.19	3.23	4,382
General Office Building	0.04	0.05	0.43	< 0.005	0.14	0.04	0.10	136
Unrefrigerated Warehouse-No Rail	0.25	0.33	2.71	0.01	0.89	0.23	0.63	849
Single Family Housing	0.59	0.63	5.00	0.02	1.53	0.39	1.07	1,468
Mobile Home Park	0.76	0.82	6.47	0.02	1.97	0.51	1.38	1,899
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	5.75	6.53	51.9	0.16	16.2	4.18	11.4	15,544

4.1.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	6.64	7.35	81.2	0.22	20.7	5.35	36.9	23,208
Regional Shopping Center	8.77	6.71	65.6	0.16	14.6	3.78	26.0	16,729
Condo/Townhouse	4.63	4.22	44.0	0.12	10.6	2.73	18.9	11,958
Strip Mall	9.58	10.6	117	0.32	29.9	7.71	53.2	33,448
General Office Building	0.33	0.37	4.08	0.01	1.04	0.27	1.86	1,166
Unrefrigerated Warehouse-No Rail	2.28	2.53	27.9	0.08	7.13	1.84	12.7	7,978
Single Family Housing	4.13	3.76	39.2	0.10	9.44	2.44	16.8	10,663
Mobile Home Park	6.06	5.51	57.4	0.15	13.8	3.57	24.6	15,601
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	42.4	41.0	436	1.16	107	27.7	191	120,751
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	5.58	7.99	54.3	0.20	20.7	5.35	0.96	20,642
Regional Shopping Center	7.23	7.24	47.6	0.14	14.6	3.78	0.68	14,925
Condo/Townhouse	3.85	4.57	30.5	0.10	10.6	2.73	0.49	10,650
Strip Mall	8.04	11.5	78.2	0.29	29.9	7.71	1.38	29,750
General Office Building	0.28	0.40	2.73	0.01	1.04	0.27	0.05	1,037
Unrefrigerated Warehouse-No Rail	1.92	2.75	18.7	0.07	7.13	1.84	0.33	7,096
Single Family Housing	3.43	4.07	27.2	0.09	9.44	2.44	0.44	9,497

Mobile Home Park	5.04	5.97	39.9	0.13	13.8	3.57	0.64	13,895
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	35.4	44.5	299	1.03	107	27.7	4.95	107,493
Annual	—	—	—	—	—	—	—	—
Hotel	0.91	1.20	9.78	0.03	3.22	0.83	2.26	3,064
Regional Shopping Center	1.26	1.10	8.24	0.02	2.23	0.58	1.57	2,185
Condo/Townhouse	0.63	0.68	5.32	0.02	1.62	0.42	1.14	1,562
Strip Mall	1.31	1.71	14.0	0.05	4.60	1.19	3.23	4,382
General Office Building	0.04	0.05	0.43	< 0.005	0.14	0.04	0.10	136
Unrefrigerated Warehouse-No Rail	0.25	0.33	2.71	0.01	0.89	0.23	0.63	849
Single Family Housing	0.59	0.63	5.00	0.02	1.53	0.39	1.07	1,468
Mobile Home Park	0.76	0.82	6.47	0.02	1.97	0.51	1.38	1,899
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	5.75	6.53	51.9	0.16	16.2	4.18	11.4	15,544

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	1,633
Regional Shopping Center	—	—	—	—	—	—	—	1,007
Condo/Townhouse	—	—	—	—	—	—	—	1,048
Strip Mall	—	—	—	—	—	—	—	755
General Office Building	—	—	—	—	—	—	—	259
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	4,566
Single Family Housing	—	—	—	—	—	—	—	1,132
Mobile Home Park	—	—	—	—	—	—	—	3,818
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	1,006
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	15,223
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	1,633
Regional Shopping Center	—	—	—	—	—	—	—	1,007
Condo/Townhouse	—	—	—	—	—	—	—	1,048
Strip Mall	—	—	—	—	—	—	—	755
General Office Building	—	—	—	—	—	—	—	259
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	4,566

Single Family Housing	—	—	—	—	—	—	—	1,132
Mobile Home Park	—	—	—	—	—	—	—	3,818
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	1,006
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	15,223
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	270
Regional Shopping Center	—	—	—	—	—	—	—	167
Condo/Townhouse	—	—	—	—	—	—	—	174
Strip Mall	—	—	—	—	—	—	—	125
General Office Building	—	—	—	—	—	—	—	42.9
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	756
Single Family Housing	—	—	—	—	—	—	—	187
Mobile Home Park	—	—	—	—	—	—	—	632
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	166
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	2,520

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	1,178
Regional Shopping Center	—	—	—	—	—	—	—	551
Condo/Townhouse	—	—	—	—	—	—	—	651
Strip Mall	—	—	—	—	—	—	—	551
General Office Building	—	—	—	—	—	—	—	194
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	3,534
Single Family Housing	—	—	—	—	—	—	—	128
Mobile Home Park	—	—	—	—	—	—	—	2,920
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	804
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	10,511
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	1,178
Regional Shopping Center	—	—	—	—	—	—	—	551
Condo/Townhouse	—	—	—	—	—	—	—	651
Strip Mall	—	—	—	—	—	—	—	551
General Office Building	—	—	—	—	—	—	—	194
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	3,534

Single Family Housing	—	—	—	—	—	—	—	128
Mobile Home Park	—	—	—	—	—	—	—	2,920
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	804
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	10,511
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	195
Regional Shopping Center	—	—	—	—	—	—	—	91.2
Condo/Townhouse	—	—	—	—	—	—	—	108
Strip Mall	—	—	—	—	—	—	—	91.2
General Office Building	—	—	—	—	—	—	—	32.2
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	585
Single Family Housing	—	—	—	—	—	—	—	21.1
Mobile Home Park	—	—	—	—	—	—	—	483
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	133
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	1,740

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	0.11	2.02	1.69	0.01	0.15	0.15	—	2,411
Regional Shopping Center	0.01	0.18	0.15	< 0.005	0.01	0.01	—	216
Condo/Townhouse	0.06	1.11	0.47	0.01	0.09	0.09	—	1,407
Strip Mall	0.01	0.14	0.11	< 0.005	0.01	0.01	—	162
General Office Building	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	—	34.4
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	0.09	1.60	0.68	0.01	0.13	0.13	—	2,034
Mobile Home Park	0.19	3.25	1.38	0.02	0.26	0.26	—	4,139
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.48	8.32	4.52	0.05	0.66	0.66	—	10,404
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	0.11	2.02	1.69	0.01	0.15	0.15	—	2,411
Regional Shopping Center	0.01	0.18	0.15	< 0.005	0.01	0.01	—	216
Condo/Townhouse	0.06	1.11	0.47	0.01	0.09	0.09	—	1,407
Strip Mall	0.01	0.14	0.11	< 0.005	0.01	0.01	—	162
General Office Building	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	—	34.4
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

Single Family Housing	0.09	1.60	0.68	0.01	0.13	0.13	—	2,034
Mobile Home Park	0.19	3.25	1.38	0.02	0.26	0.26	—	4,139
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.48	8.32	4.52	0.05	0.66	0.66	—	10,404
Annual	—	—	—	—	—	—	—	—
Hotel	0.02	0.37	0.31	< 0.005	0.03	0.03	—	399
Regional Shopping Center	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	—	35.7
Condo/Townhouse	0.01	0.20	0.09	< 0.005	0.02	0.02	—	233
Strip Mall	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	26.8
General Office Building	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	—	5.70
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	0.02	0.29	0.12	< 0.005	0.02	0.02	—	337
Mobile Home Park	0.03	0.59	0.25	< 0.005	0.05	0.05	—	685
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.09	1.52	0.82	0.01	0.12	0.12	—	1,722

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	0.10	1.89	1.59	0.01	0.14	0.14	—	2,260
Regional Shopping Center	0.01	0.17	0.14	< 0.005	0.01	0.01	—	206
Condo/Townhouse	0.06	1.01	0.43	0.01	0.08	0.08	—	1,280
Strip Mall	0.01	0.13	0.11	< 0.005	0.01	0.01	—	155
General Office Building	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	—	32.7
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	0.09	1.46	0.62	0.01	0.12	0.12	—	1,859
Mobile Home Park	0.17	2.96	1.26	0.02	0.24	0.24	—	3,761
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.44	7.64	4.17	0.05	0.61	0.61	—	9,554
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	0.10	1.89	1.59	0.01	0.14	0.14	—	2,260
Regional Shopping Center	0.01	0.17	0.14	< 0.005	0.01	0.01	—	206
Condo/Townhouse	0.06	1.01	0.43	0.01	0.08	0.08	—	1,280
Strip Mall	0.01	0.13	0.11	< 0.005	0.01	0.01	—	155
General Office Building	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	—	32.7
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

Single Family Housing	0.09	1.46	0.62	0.01	0.12	0.12	—	1,859
Mobile Home Park	0.17	2.96	1.26	0.02	0.24	0.24	—	3,761
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.44	7.64	4.17	0.05	0.61	0.61	—	9,554
Annual	—	—	—	—	—	—	—	—
Hotel	0.02	0.34	0.29	< 0.005	0.03	0.03	—	374
Regional Shopping Center	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	—	34.2
Condo/Townhouse	0.01	0.18	0.08	< 0.005	0.01	0.01	—	212
Strip Mall	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	25.6
General Office Building	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.41
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	0.02	0.27	0.11	< 0.005	0.02	0.02	—	308
Mobile Home Park	0.03	0.54	0.23	< 0.005	0.04	0.04	—	623
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.08	1.39	0.76	0.01	0.11	0.11	—	1,582

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hearths	0.73	12.4	5.29	0.08	1.00	1.00	—	16,839
Consumer Products	41.1	—	—	—	—	—	—	—
Architectural Coatings	4.30	—	—	—	—	—	—	—
Landscape Equipment	13.2	1.01	113	0.01	0.11	0.08	—	367
Total	59.3	13.4	119	0.08	1.11	1.09	—	17,206
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hearths	0.73	12.4	5.29	0.08	1.00	1.00	—	16,839
Consumer Products	41.1	—	—	—	—	—	—	—
Architectural Coatings	4.30	—	—	—	—	—	—	—
Total	46.1	12.4	5.29	0.08	1.00	1.00	—	16,839
Annual	—	—	—	—	—	—	—	—
Hearths	0.01	0.16	0.07	< 0.005	0.01	0.01	—	191
Consumer Products	7.49	—	—	—	—	—	—	—
Architectural Coatings	0.78	—	—	—	—	—	—	—
Landscape Equipment	1.19	0.09	10.2	< 0.005	0.01	0.01	—	30.0
Total	9.48	0.25	10.3	< 0.005	0.02	0.02	—	221

4.3.2. Mitigated

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

Source	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hearths	0.73	12.4	5.29	0.08	1.00	1.00	—	16,839
Consumer Products	38.0	—	—	—	—	—	—	—
Architectural Coatings	4.30	—	—	—	—	—	—	—
Landscape Equipment	13.2	1.01	113	0.01	0.11	0.08	—	367
Total	56.2	13.4	119	0.08	1.11	1.09	—	17,206
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hearths	0.73	12.4	5.29	0.08	1.00	1.00	—	16,839
Consumer Products	38.0	—	—	—	—	—	—	—
Architectural Coatings	4.30	—	—	—	—	—	—	—
Total	43.0	12.4	5.29	0.08	1.00	1.00	—	16,839
Annual	—	—	—	—	—	—	—	—
Hearths	0.01	0.16	0.07	< 0.005	0.01	0.01	—	191
Consumer Products	6.94	—	—	—	—	—	—	—
Architectural Coatings	0.78	—	—	—	—	—	—	—
Landscape Equipment	1.19	0.09	10.2	< 0.005	0.01	0.01	—	30.0
Total	8.92	0.25	10.3	< 0.005	0.02	0.02	—	221

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Hotel	—	—	—	—	—	—	—	53.3
Regional Shopping Center	—	—	—	—	—	—	—	94.5
Condo/Townhouse	—	—	—	—	—	—	—	110
Strip Mall	—	—	—	—	—	—	—	178
General Office Building	—	—	—	—	—	—	—	135
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,697
Single Family Housing	—	—	—	—	—	—	—	486
Mobile Home Park	—	—	—	—	—	—	—	418
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	3,171
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	53.3
Regional Shopping Center	—	—	—	—	—	—	—	94.5
Condo/Townhouse	—	—	—	—	—	—	—	110
Strip Mall	—	—	—	—	—	—	—	178
General Office Building	—	—	—	—	—	—	—	135
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,697
Single Family Housing	—	—	—	—	—	—	—	486
Mobile Home Park	—	—	—	—	—	—	—	418

User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	3,171
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	8.82
Regional Shopping Center	—	—	—	—	—	—	—	15.6
Condo/Townhouse	—	—	—	—	—	—	—	18.2
Strip Mall	—	—	—	—	—	—	—	29.5
General Office Building	—	—	—	—	—	—	—	22.3
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	281
Single Family Housing	—	—	—	—	—	—	—	80.4
Mobile Home Park	—	—	—	—	—	—	—	69.2
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	525

4.4.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Hotel	—	—	—	—	—	—	—	48.0
Regional Shopping Center	—	—	—	—	—	—	—	94.5
Condo/Townhouse	—	—	—	—	—	—	—	104
Strip Mall	—	—	—	—	—	—	—	178
General Office Building	—	—	—	—	—	—	—	135
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,697
Single Family Housing	—	—	—	—	—	—	—	486
Mobile Home Park	—	—	—	—	—	—	—	402
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	3,145
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	48.0
Regional Shopping Center	—	—	—	—	—	—	—	94.5
Condo/Townhouse	—	—	—	—	—	—	—	104
Strip Mall	—	—	—	—	—	—	—	178
General Office Building	—	—	—	—	—	—	—	135
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,697
Single Family Housing	—	—	—	—	—	—	—	486
Mobile Home Park	—	—	—	—	—	—	—	402

User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	3,145
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	7.94
Regional Shopping Center	—	—	—	—	—	—	—	15.6
Condo/Townhouse	—	—	—	—	—	—	—	17.3
Strip Mall	—	—	—	—	—	—	—	29.5
General Office Building	—	—	—	—	—	—	—	22.3
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	281
Single Family Housing	—	—	—	—	—	—	—	80.4
Mobile Home Park	—	—	—	—	—	—	—	66.5
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	521

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	155
Regional Shopping Center	—	—	—	—	—	—	—	198
Condo/Townhouse	—	—	—	—	—	—	—	293
Strip Mall	—	—	—	—	—	—	—	148
General Office Building	—	—	—	—	—	—	—	17.5
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,060
Single Family Housing	—	—	—	—	—	—	—	307
Mobile Home Park	—	—	—	—	—	—	—	1,144
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	3,322
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	155
Regional Shopping Center	—	—	—	—	—	—	—	198
Condo/Townhouse	—	—	—	—	—	—	—	293
Strip Mall	—	—	—	—	—	—	—	148
General Office Building	—	—	—	—	—	—	—	17.5
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,060

Single Family Housing	—	—	—	—	—	—	—	307
Mobile Home Park	—	—	—	—	—	—	—	1,144
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	3,322
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	25.6
Regional Shopping Center	—	—	—	—	—	—	—	32.8
Condo/Townhouse	—	—	—	—	—	—	—	48.5
Strip Mall	—	—	—	—	—	—	—	24.6
General Office Building	—	—	—	—	—	—	—	2.90
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	175
Single Family Housing	—	—	—	—	—	—	—	50.9
Mobile Home Park	—	—	—	—	—	—	—	189
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	550

4.5.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	155
Regional Shopping Center	—	—	—	—	—	—	—	198
Condo/Townhouse	—	—	—	—	—	—	—	293
Strip Mall	—	—	—	—	—	—	—	148
General Office Building	—	—	—	—	—	—	—	17.5
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,060
Single Family Housing	—	—	—	—	—	—	—	307
Mobile Home Park	—	—	—	—	—	—	—	1,144
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	3,322
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	155
Regional Shopping Center	—	—	—	—	—	—	—	198
Condo/Townhouse	—	—	—	—	—	—	—	293
Strip Mall	—	—	—	—	—	—	—	148
General Office Building	—	—	—	—	—	—	—	17.5
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,060

Single Family Housing	—	—	—	—	—	—	—	307
Mobile Home Park	—	—	—	—	—	—	—	1,144
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	3,322
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	25.6
Regional Shopping Center	—	—	—	—	—	—	—	32.8
Condo/Townhouse	—	—	—	—	—	—	—	48.5
Strip Mall	—	—	—	—	—	—	—	24.6
General Office Building	—	—	—	—	—	—	—	2.90
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	175
Single Family Housing	—	—	—	—	—	—	—	50.9
Mobile Home Park	—	—	—	—	—	—	—	189
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	550

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	340	340
Regional Shopping Center	—	—	—	—	—	—	0.48	0.48
Condo/Townhouse	—	—	—	—	—	—	1.59	1.59
Strip Mall	—	—	—	—	—	—	0.47	0.47
General Office Building	—	—	—	—	—	—	0.02	0.02
Single Family Housing	—	—	—	—	—	—	2.49	2.49
Mobile Home Park	—	—	—	—	—	—	2.28	2.28
Total	—	—	—	—	—	—	348	348
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	340	340
Regional Shopping Center	—	—	—	—	—	—	0.48	0.48
Condo/Townhouse	—	—	—	—	—	—	1.59	1.59
Strip Mall	—	—	—	—	—	—	0.47	0.47
General Office Building	—	—	—	—	—	—	0.02	0.02
Single Family Housing	—	—	—	—	—	—	2.49	2.49
Mobile Home Park	—	—	—	—	—	—	2.28	2.28
Total	—	—	—	—	—	—	348	348
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	56.4	56.4

Regional Shopping Center	—	—	—	—	—	—	0.08	0.08
Condo/Townhouse	—	—	—	—	—	—	0.26	0.26
Strip Mall	—	—	—	—	—	—	0.08	0.08
General Office Building	—	—	—	—	—	—	< 0.005	< 0.005
Single Family Housing	—	—	—	—	—	—	0.41	0.41
Mobile Home Park	—	—	—	—	—	—	0.38	0.38
Total	—	—	—	—	—	—	57.6	57.6

4.6.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	340	340
Regional Shopping Center	—	—	—	—	—	—	0.48	0.48
Condo/Townhouse	—	—	—	—	—	—	1.59	1.59
Strip Mall	—	—	—	—	—	—	0.47	0.47
General Office Building	—	—	—	—	—	—	0.02	0.02
Single Family Housing	—	—	—	—	—	—	2.49	2.49
Mobile Home Park	—	—	—	—	—	—	2.28	2.28
Total	—	—	—	—	—	—	348	348
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	340	340
Regional Shopping Center	—	—	—	—	—	—	0.48	0.48

Condo/Townhouse	—	—	—	—	—	—	1.59	1.59
Strip Mall	—	—	—	—	—	—	0.47	0.47
General Office Building	—	—	—	—	—	—	0.02	0.02
Single Family Housing	—	—	—	—	—	—	2.49	2.49
Mobile Home Park	—	—	—	—	—	—	2.28	2.28
Total	—	—	—	—	—	—	348	348
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	56.4	56.4
Regional Shopping Center	—	—	—	—	—	—	0.08	0.08
Condo/Townhouse	—	—	—	—	—	—	0.26	0.26
Strip Mall	—	—	—	—	—	—	0.08	0.08
General Office Building	—	—	—	—	—	—	< 0.005	< 0.005
Single Family Housing	—	—	—	—	—	—	0.41	0.41
Mobile Home Park	—	—	—	—	—	—	0.38	0.38
Total	—	—	—	—	—	—	57.6	57.6

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—

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

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

Vegetation	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—

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

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—

Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	1/1/2026	2/11/2026	5.00	30.0	—

Site Preparation	Site Preparation	2/12/2026	3/1/2027	5.00	273	—
Grading	Grading	6/1/2026	6/30/2027	5.00	283	—
Building Construction	Building Construction	7/1/2027	12/1/2032	5.00	1,415	—
Paving	Paving	7/1/2027	12/1/2032	5.00	1,415	—
Architectural Coating	Architectural Coating	7/1/2028	12/1/2032	5.00	1,153	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	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	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	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/Backhoes	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
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	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	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	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/Backhoes	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
Demolition	—	—	—	—
Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	21.1	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
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	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	3.31	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	1,216	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	297	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	243	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
Demolition	—	—	—	—
Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	21.1	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
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	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	3.31	20.0	HHDT
Grading	Onsite truck	—	—	HHDT

Building Construction	—	—	—	—
Building Construction	Worker	1,216	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	297	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	243	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

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	1,798,666	599,555	1,532,501	510,834	141,134

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	55,000	—
Site Preparation	—	—	410	0.00	—
Grading	4,400	7,500	849	0.00	—
Paving	0.00	0.00	0.00	0.00	73.0

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Hotel	0.00	0%
Regional Shopping Center	0.00	0%
Condo/Townhouse	—	0%
Strip Mall	0.00	0%
General Office Building	0.00	0%
Unrefrigerated Warehouse-No Rail	0.00	0%
Single Family Housing	1.96	0%
Mobile Home Park	6.00	80%
Mobile Home Park	6.00	80%

User Defined Industrial	5.00	0%
Parking Lot	38.7	100%
Other Asphalt Surfaces	15.3	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	262	0.03	< 0.005
2027	0.00	266	0.03	< 0.005
2028	0.00	275	0.03	< 0.005
2029	0.00	249	0.03	< 0.005
2030	0.00	247	0.03	< 0.005
2031	0.00	247	0.03	< 0.005
2032	0.00	247	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Hotel	1,835	2,157	1,577	672,956	24,776	29,131	21,291	9,088,540
Regional Shopping Center	3,040	3,211	2,110	1,070,024	17,379	20,541	13,498	6,305,858
Condo/Townhouse	1,415	1,615	859	498,006	13,034	14,871	7,909	4,585,857
Strip Mall	2,698	3,109	1,859	962,388	36,434	41,985	25,110	12,997,436
General Office Building	108	22.1	7.00	29,779	1,464	298	94.5	402,175
Unrefrigerated Warehouse-No Rail	419	742	742	186,465	5,653	10,015	10,015	2,518,285

Single Family Housing	1,330	1,440	890	468,155	12,244	13,260	8,196	4,310,978
Mobile Home Park	970	1,290	970	370,736	7,758	10,317	7,758	2,964,966
Mobile Home Park	621	826	621	237,271	6,829	9,082	6,829	2,609,979
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Hotel	1,835	2,157	1,577	672,956	24,776	29,131	21,291	9,088,540
Regional Shopping Center	3,040	3,211	2,110	1,070,024	17,379	20,541	13,498	6,305,858
Condo/Townhouse	1,415	1,615	859	498,006	13,034	14,871	7,909	4,585,857
Strip Mall	2,698	3,109	1,859	962,388	36,434	41,985	25,110	12,997,436
General Office Building	108	22.1	7.00	29,779	1,464	298	94.5	402,175
Unrefrigerated Warehouse-No Rail	419	742	742	186,465	5,653	10,015	10,015	2,518,285
Single Family Housing	1,330	1,440	890	468,155	12,244	13,260	8,196	4,310,978
Mobile Home Park	970	1,290	970	370,736	7,758	10,317	7,758	2,964,966
Mobile Home Park	621	826	621	237,271	6,829	9,082	6,829	2,609,979
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Condo/Townhouse	—
Wood Fireplaces	0
Gas Fireplaces	289
Propane Fireplaces	0
Electric Fireplaces	17
No Fireplaces	34
Conventional Wood Stoves	0
Catalytic Wood Stoves	17
Non-Catalytic Wood Stoves	17
Pellet Wood Stoves	0
Single Family Housing	—
Wood Fireplaces	25
Gas Fireplaces	410
Propane Fireplaces	0
Electric Fireplaces	26
No Fireplaces	52
Conventional Wood Stoves	0
Catalytic Wood Stoves	26
Non-Catalytic Wood Stoves	26
Pellet Wood Stoves	0
Mobile Home Park	—

Wood Fireplaces	0
Gas Fireplaces	425
Propane Fireplaces	0
Electric Fireplaces	25
No Fireplaces	50
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	320
No Fireplaces	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	25
Non-Catalytic Wood Stoves	25
Pellet Wood Stoves	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	16
Non-Catalytic Wood Stoves	16
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Condo/Townhouse	—
Wood Fireplaces	0
Gas Fireplaces	289
Propane Fireplaces	0
Electric Fireplaces	17
No Fireplaces	34

Conventional Wood Stoves	0
Catalytic Wood Stoves	17
Non-Catalytic Wood Stoves	17
Pellet Wood Stoves	0
Single Family Housing	—
Wood Fireplaces	25
Gas Fireplaces	410
Propane Fireplaces	0
Electric Fireplaces	26
No Fireplaces	52
Conventional Wood Stoves	0
Catalytic Wood Stoves	26
Non-Catalytic Wood Stoves	26
Pellet Wood Stoves	0
Mobile Home Park	—
Wood Fireplaces	0
Gas Fireplaces	425
Propane Fireplaces	0
Electric Fireplaces	25
No Fireplaces	50
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	320
No Fireplaces	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	25

Non-Catalytic Wood Stoves	25
Pellet Wood Stoves	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	16
Non-Catalytic Wood Stoves	16
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
1798665.75	599,555	1,532,501	510,834	141,134

5.10.3. Landscape Equipment

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

5.10.4. Landscape Equipment - Mitigated

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

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

Hotel	2,398,832	247	0.0330	0.0040	7,503,104
Regional Shopping Center	1,478,406	247	0.0330	0.0040	671,277
Condo/Townhouse	1,539,120	247	0.0330	0.0040	4,378,642
Strip Mall	1,108,805	247	0.0330	0.0040	503,458
General Office Building	380,325	247	0.0330	0.0040	107,164
Unrefrigerated Warehouse-No Rail	6,706,220	247	0.0330	0.0040	0.00
Single Family Housing	1,662,385	247	0.0330	0.0040	6,330,448
Mobile Home Park	3,419,003	247	0.0330	0.0040	12,878,656
Mobile Home Park	2,188,162	247	0.0330	0.0040	0.00
User Defined Industrial	0.00	247	0.0330	0.0040	0.00
Parking Lot	1,476,736	247	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	247	0.0330	0.0040	0.00

5.11.2. Mitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Hotel	1,729,965	247	0.0330	0.0040	7,031,287
Regional Shopping Center	809,029	247	0.0330	0.0040	641,847
Condo/Townhouse	956,517	247	0.0330	0.0040	3,983,547
Strip Mall	809,030	247	0.0330	0.0040	481,386
General Office Building	285,253	247	0.0330	0.0040	101,672
Unrefrigerated Warehouse-No Rail	5,190,067	247	0.0330	0.0040	0.00
Single Family Housing	187,272	247	0.0330	0.0040	5,785,838
Mobile Home Park	2,614,782	247	0.0330	0.0040	11,704,349
Mobile Home Park	1,673,460	247	0.0330	0.0040	0.00
User Defined Industrial	0.00	247	0.0330	0.0040	0.00

Parking Lot	1,181,389	247	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	247	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Hotel	3,805,016	4,446,831
Regional Shopping Center	7,407,252	4,446,831
Condo/Townhouse	8,541,493	5,435,016
Strip Mall	5,555,439	52,297,012
General Office Building	1,777,337	52,297,012
Unrefrigerated Warehouse-No Rail	138,287,500	52,297,012
Single Family Housing	7,239,932	183,781,003
Mobile Home Park	20,336,888	8,212,444
Mobile Home Park	13,015,608	8,212,444
User Defined Industrial	0.00	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Hotel	3,805,016	2,014,106
Regional Shopping Center	7,407,252	4,446,831
Condo/Townhouse	8,541,493	3,002,291
Strip Mall	5,555,439	52,297,012
General Office Building	1,777,337	52,297,012

Unrefrigerated Warehouse-No Rail	138,287,500	52,297,012
Single Family Housing	7,239,932	183,781,003
Mobile Home Park	20,336,888	4,536,536
Mobile Home Park	13,015,608	4,536,536
User Defined Industrial	0.00	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Hotel	82.1	—
Regional Shopping Center	105	—
Condo/Townhouse	155	—
Strip Mall	78.8	—
General Office Building	9.30	—
Unrefrigerated Warehouse-No Rail	562	—
Single Family Housing	163	—
Mobile Home Park	370	—
Mobile Home Park	237	—
User Defined Industrial	0.00	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)

Hotel	82.1	—
Regional Shopping Center	105	—
Condo/Townhouse	155	—
Strip Mall	78.8	—
General Office Building	9.30	—
Unrefrigerated Warehouse-No Rail	562	—
Single Family Housing	163	—
Mobile Home Park	370	—
Mobile Home Park	237	—
User Defined Industrial	0.00	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Mobile Home Park	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Mobile Home Park	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Mobile Home Park	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Mobile Home Park	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Mobile Home Park	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0

Mobile Home Park	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Mobile Home Park	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Mobile Home Park	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

5.15.2. Mitigated

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

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

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

5.16.2. Process Boilers

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

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

5.18.2.2. Mitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	21.5	annual days of extreme heat
Extreme Precipitation	0.50	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.23	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	2	3	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	3	2	3	2
Snowpack Reduction	N/A	N/A	N/A	N/A

Air Quality Degradation	5	2	3	3

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

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	2	3	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	3	2	3	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	5	2	3	3

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—

AQ-Ozone	77.1
AQ-PM	7.31
AQ-DPM	9.38
Drinking Water	67.0
Lead Risk Housing	31.7
Pesticides	95.0
Toxic Releases	3.14
Traffic	6.09
Effect Indicators	—
CleanUp Sites	22.6
Groundwater	0.00
Haz Waste Facilities/Generators	35.6
Impaired Water Bodies	97.5
Solid Waste	83.3
Sensitive Population	—
Asthma	21.2
Cardio-vascular	47.3
Low Birth Weights	53.8
Socioeconomic Factor Indicators	—
Education	96.2
Housing	77.2
Linguistic	99.1
Poverty	95.5
Unemployment	93.8

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	2.527909663
Employed	8.956756063
Median HI	7.262928269
Education	—
Bachelor's or higher	24.75298345
High school enrollment	22.50737842
Preschool enrollment	7.814705505
Transportation	—
Auto Access	49.51879892
Active commuting	13.6147825
Social	—
2-parent households	34.82612601
Voting	66.44424484
Neighborhood	—
Alcohol availability	91.1587322
Park access	5.389452072
Retail density	5.864237136
Supermarket access	2.399589375
Tree canopy	8.404978827
Housing	—
Homeownership	77.35146927
Housing habitability	8.956756063
Low-inc homeowner severe housing cost burden	12.29308354
Low-inc renter severe housing cost burden	61.6963942
Uncrowded housing	15.89888361

Health Outcomes	—
Insured adults	2.463749519
Arthritis	0.0
Asthma ER Admissions	63.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	81.1
Cognitively Disabled	76.7
Physically Disabled	74.5
Heart Attack ER Admissions	49.3
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	39.9
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0

Children	16.3
Elderly	50.9
English Speaking	2.2
Foreign-born	93.3
Outdoor Workers	0.1
Climate Change Adaptive Capacity	—
Impervious Surface Cover	96.0
Traffic Density	2.2
Traffic Access	23.0
Other Indices	—
Hardship	97.8
Other Decision Support	—
2016 Voting	63.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	66.0
Healthy Places Index Score for Project Location (b)	6.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	EasternCoachellaValley

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

7.4. Health & Equity Measures

Measure Title	Co-Benefits Achieved
IC-2: Adopt Design Standards	—

IC-3: Promotes Accessibility	—
IC-4: Enhanced Open and Green Spaces	—
IC-7: Equal Access to Building Amenities	—
IC-8: Enhanced Access to Community Resources	—

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	See TRSP AQ/GHG report Table 6-8CalEEMod Land Use Assumptions. Landscaping acreage from TRSP DEIR Table 2.12-5 Projected Outdoor Irrigation Water Demand. Assumes average RV is 500 SF.
Construction: Construction Phases	Operational/buildout year consistent with Traffic Impact Analysis.
Construction: Paving	Assumes 12 acres of hardscape for workforce housing. 5 acres of off site water tank location will be permanently disturbed, assumes paved.
Operations: Vehicle Data	Same trip rates used for proposed Project.
Operations: Hearths	Assumes wood burning fireplaces are limited to single family estates. Workforce housing and condos will not have wood burning hearths. No wood burning stoves proposed.
Operations: Energy Use	All new development will be built to Title 24 standards. RV park does not use natural gas. Assumes 600 kWh per RV per month. The equestrian stables (unrefrigerated warehouse) do not use natural gas.

TRSP Alternative B - PA 3 LST Analysis Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	TRSP Alternative B - PA 3 LST Analysis
Construction Start Date	1/1/2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	8.80
Location	33.605542929167214, -116.16665369791724
County	Riverside-Salton Sea
City	Unincorporated
Air District	South Coast AQMD
Air Basin	Salton Sea
TAZ	5697
EDFZ	19
Electric Utility	Imperial Irrigation District
Gas Utility	Southern California Gas
App Version	2022.1.1.23

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Condo/Townhouse	139	Dwelling Unit	69.5	147,340	566,280	—	449	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-10-A	Water Exposed Surfaces

* 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.	NOx	CO	PM10T	PM2.5T
Daily, Summer (Max)	—	—	—	—
Unmit.	29.2	49.7	9.14	5.14
Mit.	29.2	49.7	9.14	5.14
% Reduced	—	—	—	—
Daily, Winter (Max)	—	—	—	—
Unmit.	27.3	35.8	6.65	2.52
Mit.	27.3	35.8	6.65	2.52
% Reduced	—	—	—	—
Average Daily (Max)	—	—	—	—
Unmit.	12.9	28.1	4.70	1.52
Mit.	12.9	28.1	4.70	1.52
% Reduced	—	—	—	—
Annual (Max)	—	—	—	—
Unmit.	2.36	5.13	0.86	0.28
Mit.	2.36	5.13	0.86	0.28
% Reduced	—	—	—	—

Exceeds (Daily Max)	—	—	—	—
Threshold	304	2,292	14.0	8.00
Unmit.	No	No	No	No
Mit.	No	No	No	No
Exceeds (Average Daily)	—	—	—	—
Threshold	304	2,292	14.0	8.00
Unmit.	No	No	No	No
Mit.	No	No	No	No

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	NOx	CO	PM10T	PM2.5T
Daily - Summer (Max)	—	—	—	—
2026	29.2	30.4	9.14	5.14
2027	13.3	49.7	6.61	1.83
2028	12.5	47.3	6.58	1.79
2029	11.9	44.9	6.55	1.77
2030	11.5	43.0	6.54	1.76
2031	6.17	10.8	1.15	0.28
Daily - Winter (Max)	—	—	—	—
2026	27.3	35.8	6.65	2.52
2027	13.6	34.2	6.61	1.83
2028	12.8	32.7	6.58	1.79
2029	12.2	31.5	6.55	1.77
2030	11.8	30.2	6.54	1.76
2031	11.2	29.1	6.52	1.74
Average Daily	—	—	—	—

2026	12.9	16.3	3.20	1.52
2027	9.52	28.1	4.70	1.30
2028	9.02	26.8	4.69	1.28
2029	8.55	25.6	4.65	1.26
2030	8.36	24.5	4.64	1.25
2031	2.36	5.76	0.83	0.24
Annual	—	—	—	—
2026	2.36	2.98	0.58	0.28
2027	1.74	5.13	0.86	0.24
2028	1.65	4.90	0.86	0.23
2029	1.56	4.67	0.85	0.23
2030	1.52	4.48	0.85	0.23
2031	0.43	1.05	0.15	0.04

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	NOx	CO	PM10T	PM2.5T
Daily - Summer (Max)	—	—	—	—
2026	29.2	30.4	9.14	5.14
2027	13.3	49.7	6.61	1.83
2028	12.5	47.3	6.58	1.79
2029	11.9	44.9	6.55	1.77
2030	11.5	43.0	6.54	1.76
2031	6.17	10.8	1.15	0.28
Daily - Winter (Max)	—	—	—	—
2026	27.3	35.8	6.65	2.52
2027	13.6	34.2	6.61	1.83

2028	12.8	32.7	6.58	1.79
2029	12.2	31.5	6.55	1.77
2030	11.8	30.2	6.54	1.76
2031	11.2	29.1	6.52	1.74
Average Daily	—	—	—	—
2026	12.9	16.3	3.20	1.52
2027	9.52	28.1	4.70	1.30
2028	9.02	26.8	4.69	1.28
2029	8.55	25.6	4.65	1.26
2030	8.36	24.5	4.64	1.25
2031	2.36	5.76	0.83	0.24
Annual	—	—	—	—
2026	2.36	2.98	0.58	0.28
2027	1.74	5.13	0.86	0.24
2028	1.65	4.90	0.86	0.23
2029	1.56	4.67	0.85	0.23
2030	1.52	4.48	0.85	0.23
2031	0.43	1.05	0.15	0.04

3. Construction Emissions Details

3.1. Site Preparation (2026) - Unmitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	29.2	28.8	1.24	1.14

Dust From Material Movement	—	—	7.67	3.94
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Average Daily	—	—	—	—
Off-Road Equipment	3.20	3.16	0.14	0.13
Dust From Material Movement	—	—	0.84	0.43
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	0.58	0.58	0.02	0.02
Dust From Material Movement	—	—	0.15	0.08
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Worker	0.08	1.55	0.23	0.05
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Average Daily	—	—	—	—
Worker	0.01	0.12	0.02	0.01
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	< 0.005	0.02	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00

3.2. Site Preparation (2026) - Mitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	29.2	28.8	1.24	1.14
Dust From Material Movement	—	—	7.67	3.94
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Average Daily	—	—	—	—
Off-Road Equipment	3.20	3.16	0.14	0.13
Dust From Material Movement	—	—	0.84	0.43
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	0.58	0.58	0.02	0.02
Dust From Material Movement	—	—	0.15	0.08
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Worker	0.08	1.55	0.23	0.05
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Average Daily	—	—	—	—
Worker	0.01	0.12	0.02	0.01
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	< 0.005	0.02	< 0.005	< 0.005

Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00

3.3. Grading (2026) - Unmitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	27.2	27.6	1.12	1.03
Dust From Material Movement	—	—	3.59	1.42
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	27.2	27.6	1.12	1.03
Dust From Material Movement	—	—	3.59	1.42
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Off-Road Equipment	8.20	8.31	0.34	0.31
Dust From Material Movement	—	—	1.08	0.43
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	1.50	1.52	0.06	0.06
Dust From Material Movement	—	—	0.20	0.08
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Worker	0.10	1.77	0.26	0.06
Vendor	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Worker	0.10	1.00	0.26	0.06
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	0.03	0.38	0.08	0.02
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.01	0.07	0.01	< 0.005
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00

3.4. Grading (2026) - Mitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	27.2	27.6	1.12	1.03
Dust From Material Movement	—	—	3.59	1.42
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	27.2	27.6	1.12	1.03
Dust From Material Movement	—	—	3.59	1.42
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—

Off-Road Equipment	8.20	8.31	0.34	0.31
Dust From Material Movement	—	—	1.08	0.43
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	1.50	1.52	0.06	0.06
Dust From Material Movement	—	—	0.20	0.08
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Worker	0.10	1.77	0.26	0.06
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Worker	0.10	1.00	0.26	0.06
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	0.03	0.38	0.08	0.02
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.01	0.07	0.01	< 0.005
Vendor	0.00	0.00	0.00	0.00
Hauling	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	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	9.85	13.0	0.38	0.35
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Off-Road Equipment	1.04	1.37	0.04	0.04
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	0.19	0.25	0.01	0.01
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Daily, Winter (Max)	—	—	—	—
Worker	2.26	21.9	5.69	1.33
Vendor	2.23	0.93	0.58	0.18
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	0.22	2.89	0.60	0.14
Vendor	0.23	0.10	0.06	0.02
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.04	0.53	0.11	0.03
Vendor	0.04	0.02	0.01	< 0.005
Hauling	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	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	9.85	13.0	0.38	0.35
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Off-Road Equipment	1.04	1.37	0.04	0.04
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	0.19	0.25	0.01	0.01
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Daily, Winter (Max)	—	—	—	—
Worker	2.26	21.9	5.69	1.33
Vendor	2.23	0.93	0.58	0.18
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	0.22	2.89	0.60	0.14
Vendor	0.23	0.10	0.06	0.02
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.04	0.53	0.11	0.03
Vendor	0.04	0.02	0.01	< 0.005

Hauling	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	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	9.39	12.9	0.34	0.31
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	9.39	12.9	0.34	0.31
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Off-Road Equipment	6.71	9.24	0.24	0.22
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	1.22	1.69	0.04	0.04
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Worker	1.89	35.9	5.69	1.33
Vendor	1.97	0.86	0.58	0.18
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Worker	2.06	20.4	5.69	1.33
Vendor	2.12	0.88	0.58	0.18
Hauling	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—
Worker	1.33	18.2	4.04	0.95
Vendor	1.47	0.61	0.41	0.13
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.24	3.33	0.74	0.17
Vendor	0.27	0.11	0.08	0.02
Hauling	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	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	9.39	12.9	0.34	0.31
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	9.39	12.9	0.34	0.31
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Off-Road Equipment	6.71	9.24	0.24	0.22
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	1.22	1.69	0.04	0.04
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—

Worker	1.89	35.9	5.69	1.33
Vendor	1.97	0.86	0.58	0.18
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Worker	2.06	20.4	5.69	1.33
Vendor	2.12	0.88	0.58	0.18
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	1.33	18.2	4.04	0.95
Vendor	1.47	0.61	0.41	0.13
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.24	3.33	0.74	0.17
Vendor	0.27	0.11	0.08	0.02
Hauling	0.00	0.00	0.00	0.00

3.9. Building Construction (2028) - Unmitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	8.92	12.9	0.30	0.28
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	8.92	12.9	0.30	0.28
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—

Off-Road Equipment	6.39	9.26	0.22	0.20
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	1.17	1.69	0.04	0.04
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Worker	1.69	33.6	5.69	1.33
Vendor	1.89	0.81	0.58	0.18
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Worker	1.88	18.9	5.69	1.33
Vendor	2.04	0.84	0.58	0.18
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	1.20	17.0	4.06	0.95
Vendor	1.42	0.59	0.42	0.13
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.22	3.10	0.74	0.17
Vendor	0.26	0.11	0.08	0.02
Hauling	0.00	0.00	0.00	0.00

3.10. Building Construction (2028) - Mitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—

Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	8.92	12.9	0.30	0.28
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	8.92	12.9	0.30	0.28
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Off-Road Equipment	6.39	9.26	0.22	0.20
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	1.17	1.69	0.04	0.04
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Worker	1.69	33.6	5.69	1.33
Vendor	1.89	0.81	0.58	0.18
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Worker	1.88	18.9	5.69	1.33
Vendor	2.04	0.84	0.58	0.18
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	1.20	17.0	4.06	0.95
Vendor	1.42	0.59	0.42	0.13
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.22	3.10	0.74	0.17

Vendor	0.26	0.11	0.08	0.02
Hauling	0.00	0.00	0.00	0.00

3.11. Building Construction (2029) - Unmitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	8.58	12.9	0.28	0.25
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	8.58	12.9	0.28	0.25
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Off-Road Equipment	6.13	9.22	0.20	0.18
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	1.12	1.68	0.04	0.03
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Worker	1.50	31.2	5.69	1.33
Vendor	1.82	0.78	0.58	0.18
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Worker	1.68	17.8	5.69	1.33
Vendor	1.96	0.81	0.58	0.18

Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	1.06	15.8	4.04	0.95
Vendor	1.36	0.57	0.41	0.13
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.19	2.88	0.74	0.17
Vendor	0.25	0.10	0.08	0.02
Hauling	0.00	0.00	0.00	0.00

3.12. Building Construction (2029) - Mitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	8.58	12.9	0.28	0.25
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	8.58	12.9	0.28	0.25
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Off-Road Equipment	6.13	9.22	0.20	0.18
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	1.12	1.68	0.04	0.03
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—

Daily, Summer (Max)	—	—	—	—
Worker	1.50	31.2	5.69	1.33
Vendor	1.82	0.78	0.58	0.18
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Worker	1.68	17.8	5.69	1.33
Vendor	1.96	0.81	0.58	0.18
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	1.06	15.8	4.04	0.95
Vendor	1.36	0.57	0.41	0.13
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.19	2.88	0.74	0.17
Vendor	0.25	0.10	0.08	0.02
Hauling	0.00	0.00	0.00	0.00

3.13. Building Construction (2030) - Unmitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	8.39	12.9	0.26	0.24
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	8.39	12.9	0.26	0.24
Onsite truck	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—
Off-Road Equipment	5.99	9.20	0.19	0.17
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	1.09	1.68	0.03	0.03
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Worker	1.32	29.3	5.69	1.33
Vendor	1.76	0.76	0.58	0.18
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Worker	1.49	16.5	5.69	1.33
Vendor	1.89	0.78	0.58	0.18
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	1.05	14.8	4.04	0.95
Vendor	1.31	0.54	0.41	0.13
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.19	2.70	0.74	0.17
Vendor	0.24	0.10	0.08	0.02
Hauling	0.00	0.00	0.00	0.00

3.14. Building Construction (2030) - Mitigated

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

Location	NOx	CO	PM10T	PM2.5T

Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	8.39	12.9	0.26	0.24
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	8.39	12.9	0.26	0.24
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Off-Road Equipment	5.99	9.20	0.19	0.17
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	1.09	1.68	0.03	0.03
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Worker	1.32	29.3	5.69	1.33
Vendor	1.76	0.76	0.58	0.18
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Worker	1.49	16.5	5.69	1.33
Vendor	1.89	0.78	0.58	0.18
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	1.05	14.8	4.04	0.95
Vendor	1.31	0.54	0.41	0.13
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—

Worker	0.19	2.70	0.74	0.17
Vendor	0.24	0.10	0.08	0.02
Hauling	0.00	0.00	0.00	0.00

3.15. Building Construction (2031) - Unmitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	8.12	12.8	0.24	0.22
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Off-Road Equipment	0.64	1.01	0.02	0.02
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	0.12	0.18	< 0.005	< 0.005
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Daily, Winter (Max)	—	—	—	—
Worker	1.31	15.4	5.69	1.33
Vendor	1.82	0.76	0.58	0.18
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	0.10	1.51	0.44	0.10
Vendor	0.14	0.06	0.05	0.01

Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.02	0.28	0.08	0.02
Vendor	0.03	0.01	0.01	< 0.005
Hauling	0.00	0.00	0.00	0.00

3.16. Building Construction (2031) - Mitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	8.12	12.8	0.24	0.22
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Off-Road Equipment	0.64	1.01	0.02	0.02
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	0.12	0.18	< 0.005	< 0.005
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Daily, Winter (Max)	—	—	—	—
Worker	1.31	15.4	5.69	1.33
Vendor	1.82	0.76	0.58	0.18
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—

Worker	0.10	1.51	0.44	0.10
Vendor	0.14	0.06	0.05	0.01
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.02	0.28	0.08	0.02
Vendor	0.03	0.01	0.01	< 0.005
Hauling	0.00	0.00	0.00	0.00

3.17. Paving (2031) - Unmitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	6.13	9.88	0.21	0.19
Paving	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	6.13	9.88	0.21	0.19
Paving	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Off-Road Equipment	1.26	2.03	0.04	0.04
Paving	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	0.23	0.37	0.01	0.01
Paving	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Worker	0.04	0.94	0.20	0.05
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Worker	0.04	0.53	0.20	0.05
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	0.01	0.14	0.04	0.01
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	< 0.005	0.02	0.01	< 0.005
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00

3.18. Paving (2031) - Mitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	6.13	9.88	0.21	0.19
Paving	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—
Off-Road Equipment	6.13	9.88	0.21	0.19
Paving	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Off-Road Equipment	1.26	2.03	0.04	0.04
Paving	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	0.23	0.37	0.01	0.01
Paving	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Worker	0.04	0.94	0.20	0.05
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Worker	0.04	0.53	0.20	0.05
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—
Worker	0.01	0.14	0.04	0.01
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	< 0.005	0.02	0.01	< 0.005

Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00

3.19. Architectural Coating (2031) - Unmitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	0.78	1.10	0.01	0.01
Architectural Coatings	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Average Daily	—	—	—	—
Off-Road Equipment	0.16	0.23	< 0.005	< 0.005
Architectural Coatings	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	0.03	0.04	< 0.005	< 0.005
Architectural Coatings	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Worker	0.26	5.47	1.14	0.27
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Average Daily	—	—	—	—

Worker	0.05	0.79	0.23	0.05
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.01	0.14	0.04	0.01
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00

3.20. Architectural Coating (2031) - Mitigated

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

Location	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—
Off-Road Equipment	0.78	1.10	0.01	0.01
Architectural Coatings	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Average Daily	—	—	—	—
Off-Road Equipment	0.16	0.23	< 0.005	< 0.005
Architectural Coatings	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Off-Road Equipment	0.03	0.04	< 0.005	< 0.005
Architectural Coatings	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00
Offsite	—	—	—	—
Daily, Summer (Max)	—	—	—	—

Worker	0.26	5.47	1.14	0.27
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—
Average Daily	—	—	—	—
Worker	0.05	0.79	0.23	0.05
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00
Annual	—	—	—	—
Worker	0.01	0.14	0.04	0.01
Vendor	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00

4. Operations Emissions Details

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	NOx	CO	PM10T	PM2.5T
Daily, Summer (Max)	—	—	—	—
Total	—	—	—	—
Daily, Winter (Max)	—	—	—	—
Total	—	—	—	—
Annual	—	—	—	—
Total	—	—	—	—

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

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

Land Use	NOx	CO	PM10T	PM2.5T
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	NOx	CO	PM10T	PM2.5T
Daily, Summer (Max)	—	—	—	—
Avoided	—	—	—	—
Subtotal	—	—	—	—
Sequestered	—	—	—	—
Subtotal	—	—	—	—
Removed	—	—	—	—
Subtotal	—	—	—	—
—	—	—	—	—
Daily, Winter (Max)	—	—	—	—
Avoided	—	—	—	—
Subtotal	—	—	—	—
Sequestered	—	—	—	—
Subtotal	—	—	—	—
Removed	—	—	—	—

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

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

Vegetation	NOx	CO	PM10T	PM2.5T
Daily, Summer (Max)	—	—	—	—
Total	—	—	—	—
Daily, Winter (Max)	—	—	—	—
Total	—	—	—	—
Annual	—	—	—	—
Total	—	—	—	—

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

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

Land Use	NOx	CO	PM10T	PM2.5T
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	NOx	CO	PM10T	PM2.5T
Daily, Summer (Max)	—	—	—	—
Avoided	—	—	—	—
Subtotal	—	—	—	—
Sequestered	—	—	—	—
Subtotal	—	—	—	—
Removed	—	—	—	—
Subtotal	—	—	—	—
—	—	—	—	—
Daily, Winter (Max)	—	—	—	—
Avoided	—	—	—	—
Subtotal	—	—	—	—
Sequestered	—	—	—	—
Subtotal	—	—	—	—
Removed	—	—	—	—
Subtotal	—	—	—	—
—	—	—	—	—
Annual	—	—	—	—
Avoided	—	—	—	—
Subtotal	—	—	—	—
Sequestered	—	—	—	—

Subtotal	—	—	—	—
Removed	—	—	—	—
Subtotal	—	—	—	—
—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	4/10/2026	6/5/2026	5.00	40.0	—
Grading	Grading	6/6/2026	11/7/2026	5.00	110	—
Building Construction	Building Construction	11/8/2026	2/9/2031	5.00	1,110	—
Paving	Paving	2/10/2031	5/26/2031	5.00	75.0	—
Architectural Coating	Architectural Coating	5/27/2031	9/9/2031	5.00	75.0	—

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/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	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	Scrapers	Diesel	Average	2.00	8.00	423	0.48

Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	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/Backhoes	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/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	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	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	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/Backhoes	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	20.0	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	436	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	64.7	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	87.1	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	20.0	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	436	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	64.7	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	87.1	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

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	1,298,633	432,878	0.00	0.00	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	60.0	0.00	—
Grading	—	—	330	0.00	—
Paving	0.00	0.00	0.00	0.00	13.0

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Condo/Townhouse	13.0	80%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	457	0.03	< 0.005
2027	0.00	457	0.03	< 0.005
2028	0.00	457	0.03	< 0.005
2029	0.00	457	0.03	< 0.005
2030	0.00	457	0.03	< 0.005
2031	0.00	457	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

5.18.2.2. Mitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	21.5	annual days of extreme heat

Extreme Precipitation	0.50	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.23	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

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

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

6.3. Adjusted Climate Risk Scores

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

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	77.1
AQ-PM	7.31
AQ-DPM	9.38
Drinking Water	67.0
Lead Risk Housing	31.7
Pesticides	95.0

Toxic Releases	3.14
Traffic	6.09
Effect Indicators	—
CleanUp Sites	22.6
Groundwater	0.00
Haz Waste Facilities/Generators	35.6
Impaired Water Bodies	97.5
Solid Waste	83.3
Sensitive Population	—
Asthma	21.2
Cardio-vascular	47.3
Low Birth Weights	53.8
Socioeconomic Factor Indicators	—
Education	96.2
Housing	77.2
Linguistic	99.1
Poverty	95.5
Unemployment	93.8

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	2.527909663
Employed	8.956756063
Median HI	7.262928269
Education	—

Bachelor's or higher	24.75298345
High school enrollment	22.50737842
Preschool enrollment	7.814705505
Transportation	—
Auto Access	49.51879892
Active commuting	13.6147825
Social	—
2-parent households	34.82612601
Voting	66.44424484
Neighborhood	—
Alcohol availability	91.1587322
Park access	5.389452072
Retail density	5.864237136
Supermarket access	2.399589375
Tree canopy	8.404978827
Housing	—
Homeownership	77.35146927
Housing habitability	8.956756063
Low-inc homeowner severe housing cost burden	12.29308354
Low-inc renter severe housing cost burden	61.6963942
Uncrowded housing	15.89888361
Health Outcomes	—
Insured adults	2.463749519
Arthritis	0.0
Asthma ER Admissions	63.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0

Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	81.1
Cognitively Disabled	76.7
Physically Disabled	74.5
Heart Attack ER Admissions	49.3
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	39.9
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	16.3
Elderly	50.9
English Speaking	2.2
Foreign-born	93.3
Outdoor Workers	0.1
Climate Change Adaptive Capacity	—

Impervious Surface Cover	96.0
Traffic Density	2.2
Traffic Access	23.0
Other Indices	—
Hardship	97.8
Other Decision Support	—
2016 Voting	63.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	66.0
Healthy Places Index Score for Project Location (b)	6.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	EasternCoachellaValley

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification

Land Use	Alternative B in TRSP DEIR.
Construction: Construction Phases	No demo required. Uses CalEEMod default scheduler, assumes an approximate buildout of 2031.
Construction: Paving	Assumes 30% area is paved, of that 80% is asphalt for parking and internal roadways. Actual plans not yet available.

Thermal Ranch Specific Plan - Alternative B 2017 CAP Run Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Thermal Ranch Specific Plan - Alternative B 2017 CAP Run
Construction Start Date	1/1/2011
Operational Year	2017
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	8.80
Location	33.59088711062806, -116.17302750036589
County	Riverside-Salton Sea
City	Unincorporated
Air District	South Coast AQMD
Air Basin	Salton Sea
TAZ	5697
EDFZ	19
Electric Utility	Imperial Irrigation District
Gas Utility	Southern California Gas
App Version	2022.1.1.24

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

Hotel	150	Room	8.10	217,800	236,967	—	—	—
Regional Shopping Center	100	1000sqft	25.6	100,000	236,967	—	—	—
Condo/Townhouse	210	Dwelling Unit	42.1	222,600	236,967	—	678	—
Strip Mall	75.0	1000sqft	1.72	75,000	1,728,542	865,891	—	—
General Office Building	10.0	1000sqft	0.23	10,000	1,728,542	865,891	—	—
Unrefrigerated Warehouse-No Rail	598	1000sqft	182	598,000	1,728,542	865,891	—	—
Single Family Housing	178	Dwelling Unit	264	347,100	8,012,862	—	575	—
Mobile Home Park	500	Dwelling Unit	18.3	158,530	358,063	—	1,615	—
Mobile Home Park	320	Dwelling Unit	22.8	160,000	358,063	—	1,034	—
User Defined Industrial	1.00	User Defined Unit	13.6	20,867	0.00	—	—	—
Parking Lot	4,302	Space	38.7	0.00	0.00	—	—	—
Other Asphalt Surfaces	15.3	Acre	15.3	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-7	Use Oxidation Catalyst
Construction	C-9	Use Dust Suppressants
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Construction	C-12	Sweep Paved Roads
Transportation	T-14*	Provide Electric Vehicle Charging Infrastructure
Transportation	T-34*	Provide Bike Parking
Transportation	T-53*	Electrify Loading Docks

Energy	E-2	Require Energy Efficient Appliances
Energy	E-7*	Require Higher Efficacy Public Street and Area Lighting
Energy	E-10-B	Establish Onsite Renewable Energy Systems: Solar Power
Water	W-5	Design Water-Efficient Landscapes
Area Sources	AS-1	Use Low-VOC Cleaning Supplies

* 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.	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Unmit.	54.6	164	443	0.11	27.2	12.9	143	41,580
Mit.	54.6	140	443	0.11	27.2	12.9	143	41,580
% Reduced	—	15%	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Unmit.	50.8	164	290	0.11	27.2	12.9	3.71	37,194
Mit.	50.8	140	290	0.11	27.2	12.9	3.71	37,194
% Reduced	—	15%	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—
Unmit.	34.8	90.5	223	0.08	18.8	7.29	44.2	27,512
Mit.	34.8	85.4	223	0.08	18.8	7.29	44.2	27,512
% Reduced	—	6%	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—
Unmit.	6.35	16.5	40.7	0.01	3.43	1.33	7.31	4,555
Mit.	6.35	15.6	40.7	0.01	3.43	1.33	7.31	4,555

% Reduced	—	6%	—	—	—	—	—	—
Exceeds (Daily Max)	—	—	—	—	—	—	—	—
Threshold	75.0	100	550	150	150	55.0	—	—
Unmit.	No	Yes	No	No	No	No	—	—
Mit.	No	Yes	No	No	No	No	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—
Threshold	75.0	100	550	150	150	55.0	—	—
Unmit.	No	No	No	No	No	No	—	—
Mit.	No	No	No	No	No	No	—	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—
2011	14.5	164	122	0.11	19.9	12.9	3.45	12,864
2012	25.9	130	411	0.10	24.5	9.87	123	37,585
2013	54.6	125	443	0.11	27.2	10.2	143	41,580
2014	51.4	113	394	0.11	26.4	9.50	143	41,119
2015	48.9	104	354	0.11	26.1	9.21	143	40,787
2016	47.2	94.7	324	0.11	25.7	8.83	143	40,409
2017	46.1	85.9	299	0.11	25.3	8.46	143	40,042
Daily - Winter (Max)	—	—	—	—	—	—	—	—
2011	14.4	164	117	0.11	19.9	12.9	0.11	12,749
2012	22.7	164	272	0.11	24.5	12.9	3.20	33,980
2013	50.8	132	290	0.11	27.2	10.2	3.70	37,194
2014	48.0	119	255	0.11	26.4	9.51	3.71	36,835

2015	45.7	109	228	0.11	26.1	9.21	3.71	36,564
2016	44.1	99.1	209	0.11	25.7	8.83	3.71	36,293
2017	43.2	90.0	192	0.11	25.3	8.46	3.70	36,001
Average Daily	—	—	—	—	—	—	—	—
2011	8.01	90.5	66.1	0.06	11.2	7.29	0.91	6,983
2012	12.1	88.5	141	0.07	13.0	6.33	19.6	15,994
2013	26.2	90.3	223	0.07	18.1	6.98	41.0	26,291
2014	34.8	83.5	213	0.08	18.8	6.76	44.0	27,512
2015	33.5	76.7	191	0.08	18.6	6.56	44.0	27,311
2016	32.5	69.6	175	0.08	18.3	6.30	44.2	27,155
2017	28.7	57.8	149	0.07	16.5	5.53	40.4	24,637
Annual	—	—	—	—	—	—	—	—
2011	1.46	16.5	12.1	0.01	2.05	1.33	0.15	1,156
2012	2.21	16.2	25.8	0.01	2.38	1.16	3.24	2,648
2013	4.79	16.5	40.7	0.01	3.31	1.27	6.79	4,353
2014	6.35	15.2	38.9	0.01	3.43	1.23	7.29	4,555
2015	6.12	14.0	34.9	0.01	3.39	1.20	7.29	4,522
2016	5.93	12.7	32.0	0.01	3.35	1.15	7.31	4,496
2017	5.23	10.6	27.1	0.01	3.01	1.01	6.69	4,079

2.3. Construction Emissions by Year, Mitigated

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

Year	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—
2011	14.5	140	122	0.11	19.9	12.9	3.45	12,864
2012	25.9	123	411	0.10	24.5	9.87	123	37,585

2013	54.6	118	443	0.11	27.2	10.2	143	41,580
2014	51.4	106	394	0.11	26.4	9.50	143	41,119
2015	48.9	98.1	354	0.11	26.1	9.21	143	40,787
2016	47.2	88.7	324	0.11	25.7	8.83	143	40,409
2017	46.1	80.2	299	0.11	25.3	8.46	143	40,042
Daily - Winter (Max)	—	—	—	—	—	—	—	—
2011	14.4	140	117	0.11	19.9	12.9	0.11	12,749
2012	22.7	140	272	0.11	24.5	12.9	3.20	33,980
2013	50.8	125	290	0.11	27.2	10.2	3.70	37,194
2014	48.0	113	255	0.11	26.4	9.51	3.71	36,835
2015	45.7	103	228	0.11	26.1	9.21	3.71	36,564
2016	44.1	93.1	209	0.11	25.7	8.83	3.71	36,293
2017	43.2	84.4	192	0.11	25.3	8.46	3.70	36,001
Average Daily	—	—	—	—	—	—	—	—
2011	8.01	77.2	66.1	0.06	11.2	7.29	0.91	6,983
2012	12.1	80.1	141	0.07	13.0	6.33	19.6	15,994
2013	26.2	85.4	223	0.07	18.1	6.98	41.0	26,291
2014	34.8	78.8	213	0.08	18.8	6.76	44.0	27,512
2015	33.5	72.1	191	0.08	18.6	6.56	44.0	27,311
2016	32.5	65.3	175	0.08	18.3	6.30	44.2	27,155
2017	28.7	54.1	149	0.07	16.5	5.53	40.4	24,637
Annual	—	—	—	—	—	—	—	—
2011	1.46	14.1	12.1	0.01	2.05	1.33	0.15	1,156
2012	2.21	14.6	25.8	0.01	2.38	1.16	3.24	2,648
2013	4.79	15.6	40.7	0.01	3.31	1.27	6.79	4,353
2014	6.35	14.4	38.9	0.01	3.43	1.23	7.29	4,555
2015	6.12	13.2	34.9	0.01	3.39	1.20	7.29	4,522

2016	5.93	11.9	32.0	0.01	3.35	1.15	7.31	4,496
2017	5.23	9.88	27.1	0.01	3.01	1.01	6.69	4,079

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Unmit.	164	165	1,211	1.67	111	31.1	1,053	226,678
Mit.	161	165	1,211	1.67	111	31.1	1,053	218,098
% Reduced	2%	—	—	—	—	—	—	4%
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Unmit.	123	176	738	1.48	111	31.0	366	206,842
Mit.	120	176	738	1.48	111	31.0	366	198,261
% Reduced	2%	—	—	—	—	—	—	4%
Average Daily (Max)	—	—	—	—	—	—	—	—
Unmit.	125	135	755	1.25	91.0	25.1	601	173,410
Mit.	121	135	755	1.25	91.0	25.1	601	164,830
% Reduced	2%	—	—	—	—	—	—	5%
Annual (Max)	—	—	—	—	—	—	—	—
Unmit.	22.7	24.6	138	0.23	16.6	4.57	99.6	28,710
Mit.	22.2	24.6	138	0.23	16.6	4.57	99.6	27,289
% Reduced	2%	—	—	—	—	—	—	5%
Exceeds (Daily Max)	—	—	—	—	—	—	—	—
Threshold	55.0	55.0	550	150	150	55.0	—	—
Unmit.	Yes	Yes	Yes	No	No	No	—	—
Mit.	Yes	Yes	Yes	No	No	No	—	—

Exceeds (Average Daily)	—	—	—	—	—	—	—	—
Threshold	55.0	55.0	550	150	150	55.0	—	—
Unmit.	Yes	Yes	Yes	No	No	No	—	—
Mit.	Yes	Yes	Yes	No	No	No	—	—

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Mobile	102	143	1,089	1.54	109	29.3	706	159,933
Area	61.7	13.6	117	0.09	1.15	1.12	—	18,089
Energy	0.49	8.50	4.67	0.05	0.67	0.67	—	40,566
Water	—	—	—	—	—	—	—	4,421
Waste	—	—	—	—	—	—	—	3,322
Refrig.	—	—	—	—	—	—	348	348
Total	164	165	1,211	1.67	111	31.1	1,053	226,678
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Mobile	76.9	155	728	1.35	109	29.3	18.3	140,463
Area	46.1	12.4	5.29	0.08	1.00	1.00	—	17,722
Energy	0.49	8.50	4.67	0.05	0.67	0.67	—	40,566
Water	—	—	—	—	—	—	—	4,421
Waste	—	—	—	—	—	—	—	3,322
Refrig.	—	—	—	—	—	—	348	348
Total	123	176	738	1.48	111	31.0	366	206,842
Average Daily	—	—	—	—	—	—	—	—
Mobile	71.0	125	695	1.18	90.2	24.3	254	123,359

Area	53.1	1.43	55.5	0.01	0.14	0.12	—	1,395
Energy	0.49	8.50	4.67	0.05	0.67	0.67	—	40,566
Water	—	—	—	—	—	—	—	4,421
Waste	—	—	—	—	—	—	—	3,322
Refrig.	—	—	—	—	—	—	348	348
Total	125	135	755	1.25	91.0	25.1	601	173,410
Annual	—	—	—	—	—	—	—	—
Mobile	12.9	22.7	127	0.22	16.5	4.43	42.0	20,423
Area	9.69	0.26	10.1	< 0.005	0.03	0.02	—	231
Energy	0.09	1.55	0.85	0.01	0.12	0.12	—	6,716
Water	—	—	—	—	—	—	—	732
Waste	—	—	—	—	—	—	—	550
Refrig.	—	—	—	—	—	—	57.6	57.6
Total	22.7	24.6	138	0.23	16.6	4.57	99.6	28,710

2.6. Operations Emissions by Sector, Mitigated

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

Sector	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Mobile	102	143	1,089	1.54	109	29.3	706	159,933
Area	58.6	13.6	117	0.09	1.15	1.12	—	18,089
Energy	0.49	8.50	4.67	0.05	0.67	0.67	—	32,035
Water	—	—	—	—	—	—	—	4,371
Waste	—	—	—	—	—	—	—	3,322
Refrig.	—	—	—	—	—	—	348	348
Total	161	165	1,211	1.67	111	31.1	1,053	218,098
Daily, Winter (Max)	—	—	—	—	—	—	—	—

Mobile	76.9	155	728	1.35	109	29.3	18.3	140,463
Area	43.0	12.4	5.29	0.08	1.00	1.00	—	17,722
Energy	0.49	8.50	4.67	0.05	0.67	0.67	—	32,035
Water	—	—	—	—	—	—	—	4,371
Waste	—	—	—	—	—	—	—	3,322
Refrig.	—	—	—	—	—	—	348	348
Total	120	176	738	1.48	111	31.0	366	198,261
Average Daily	—	—	—	—	—	—	—	—
Mobile	71.0	125	695	1.18	90.2	24.3	254	123,359
Area	50.0	1.43	55.5	0.01	0.14	0.12	—	1,395
Energy	0.49	8.50	4.67	0.05	0.67	0.67	—	32,035
Water	—	—	—	—	—	—	—	4,371
Waste	—	—	—	—	—	—	—	3,322
Refrig.	—	—	—	—	—	—	348	348
Total	121	135	755	1.25	91.0	25.1	601	164,830
Annual	—	—	—	—	—	—	—	—
Mobile	12.9	22.7	127	0.22	16.5	4.43	42.0	20,423
Area	9.13	0.26	10.1	< 0.005	0.03	0.02	—	231
Energy	0.09	1.55	0.85	0.01	0.12	0.12	—	5,304
Water	—	—	—	—	—	—	—	724
Waste	—	—	—	—	—	—	—	550
Refrig.	—	—	—	—	—	—	57.6	57.6
Total	22.2	24.6	138	0.23	16.6	4.57	99.6	27,289

3. Construction Emissions Details

3.1. Demolition (2011) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	5.00	49.1	38.0	0.03	2.49	2.29	—	3,419
Demolition	—	—	—	—	1.18	0.18	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	4.04	3.12	< 0.005	0.21	0.19	—	281
Demolition	—	—	—	—	0.10	0.01	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.74	0.57	< 0.005	0.04	0.03	—	46.5
Demolition	—	—	—	—	0.02	< 0.005	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.17	0.33	2.83	0.00	0.20	0.05	0.03	244
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.77	13.0	3.11	0.02	0.92	0.61	0.08	1,592
Average Daily	—	—	—	—	—	—	—	—
Worker	0.01	0.03	0.28	0.00	0.02	< 0.005	0.04	21.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.06	1.06	0.25	< 0.005	0.08	0.05	0.11	131
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	< 0.005	< 0.005	0.01	3.57

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.19	0.05	< 0.005	0.01	0.01	0.02	21.7

3.2. Demolition (2011) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	5.00	41.8	38.0	0.03	2.49	2.29	—	3,419
Demolition	—	—	—	—	1.18	0.18	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	3.43	3.12	< 0.005	0.21	0.19	—	281
Demolition	—	—	—	—	0.10	0.01	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.63	0.57	< 0.005	0.04	0.03	—	46.5
Demolition	—	—	—	—	0.02	< 0.005	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.17	0.33	2.83	0.00	0.20	0.05	0.03	244
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.77	13.0	3.11	0.02	0.92	0.61	0.08	1,592
Average Daily	—	—	—	—	—	—	—	—

Worker	0.01	0.03	0.28	0.00	0.02	< 0.005	0.04	21.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.06	1.06	0.25	< 0.005	0.08	0.05	0.11	131
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	< 0.005	< 0.005	0.01	3.57
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.19	0.05	< 0.005	0.01	0.01	0.02	21.7

3.3. Site Preparation (2011) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	6.78	77.3	56.3	0.05	3.98	3.66	—	5,283
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	6.78	77.3	56.3	0.05	3.98	3.66	—	5,283
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	4.28	48.8	35.6	0.03	2.52	2.32	—	3,339
Dust From Material Movement	—	—	—	—	4.85	2.49	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—

Off-Road Equipment	0.78	8.91	6.49	0.01	0.46	0.42	—	553
Dust From Material Movement	—	—	—	—	0.88	0.45	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.25	0.34	5.36	0.00	0.23	0.05	1.38	339
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.20	0.38	3.30	0.00	0.23	0.05	0.04	285
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.13	0.23	2.49	0.00	0.14	0.03	0.38	193
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.04	0.45	0.00	0.03	0.01	0.06	32.0
Vendor	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

3.4. Site Preparation (2011) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Off-Road Equipment	6.78	65.7	56.3	0.05	3.98	3.66	—	5,283
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	6.78	65.7	56.3	0.05	3.98	3.66	—	5,283
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	4.28	41.5	35.6	0.03	2.52	2.32	—	3,339
Dust From Material Movement	—	—	—	—	4.85	2.49	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	7.58	6.49	0.01	0.46	0.42	—	553
Dust From Material Movement	—	—	—	—	0.88	0.45	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.25	0.34	5.36	0.00	0.23	0.05	1.38	339
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.20	0.38	3.30	0.00	0.23	0.05	0.04	285
Vendor	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
Average Daily	—	—	—	—	—	—	—	—

Worker	0.13	0.23	2.49	0.00	0.14	0.03	0.38	193
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.04	0.45	0.00	0.03	0.01	0.06	32.0
Vendor	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

3.5. Site Preparation (2012) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	6.82	77.2	56.3	0.05	3.99	3.67	—	5,285
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	9.21	6.72	0.01	0.48	0.44	—	631
Dust From Material Movement	—	—	—	—	0.92	0.47	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	1.68	1.23	< 0.005	0.09	0.08	—	104
Dust From Material Movement	—	—	—	—	0.17	0.09	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.19	0.36	3.11	0.00	0.23	0.05	0.04	283
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.02	0.04	0.44	0.00	0.03	0.01	0.07	36.2
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.08	0.00	< 0.005	< 0.005	0.01	6.00
Vendor	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

3.6. Site Preparation (2012) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	6.82	65.6	56.3	0.05	3.99	3.67	—	5,285
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	7.83	6.72	0.01	0.48	0.44	—	631

Dust From Material Movement	—	—	—	—	0.92	0.47	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	1.43	1.23	< 0.005	0.09	0.08	—	104
Dust From Material Movement	—	—	—	—	0.17	0.09	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.19	0.36	3.11	0.00	0.23	0.05	0.04	283
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.02	0.04	0.44	0.00	0.03	0.01	0.07	36.2
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.08	0.00	< 0.005	< 0.005	0.01	6.00
Vendor	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

3.7. Grading (2011) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Off-Road Equipment	7.06	84.2	53.3	0.06	3.98	3.66	—	6,605
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	7.06	84.2	53.3	0.06	3.98	3.66	—	6,605
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	2.96	35.3	22.3	0.03	1.67	1.53	—	2,766
Dust From Material Movement	—	—	—	—	1.50	0.60	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.54	6.44	4.07	< 0.005	0.30	0.28	—	458
Dust From Material Movement	—	—	—	—	0.27	0.11	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.28	0.39	6.13	0.00	0.26	0.06	1.57	387
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.12	1.91	0.49	< 0.005	0.14	0.10	0.50	251
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.23	0.44	3.77	0.00	0.26	0.06	0.04	326
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.12	2.04	0.49	< 0.005	0.14	0.10	0.01	250
Average Daily	—	—	—	—	—	—	—	—

Worker	0.10	0.17	1.88	0.00	0.11	0.03	0.29	146
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.84	0.20	< 0.005	0.06	0.04	0.09	105
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.34	0.00	0.02	< 0.005	0.05	24.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.15	0.04	< 0.005	0.01	0.01	0.01	17.4

3.8. Grading (2011) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	7.06	71.6	53.3	0.06	3.98	3.66	—	6,605
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	7.06	71.6	53.3	0.06	3.98	3.66	—	6,605
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	2.96	30.0	22.3	0.03	1.67	1.53	—	2,766
Dust From Material Movement	—	—	—	—	1.50	0.60	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—

Off-Road Equipment	0.54	5.47	4.07	< 0.005	0.30	0.28	—	458
Dust From Material Movement	—	—	—	—	0.27	0.11	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.28	0.39	6.13	0.00	0.26	0.06	1.57	387
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.12	1.91	0.49	< 0.005	0.14	0.10	0.50	251
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.23	0.44	3.77	0.00	0.26	0.06	0.04	326
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.12	2.04	0.49	< 0.005	0.14	0.10	0.01	250
Average Daily	—	—	—	—	—	—	—	—
Worker	0.10	0.17	1.88	0.00	0.11	0.03	0.29	146
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.84	0.20	< 0.005	0.06	0.04	0.09	105
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.34	0.00	0.02	< 0.005	0.05	24.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.15	0.04	< 0.005	0.01	0.01	0.01	17.4

3.9. Grading (2012) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Off-Road Equipment	7.13	84.2	53.5	0.06	3.99	3.67	—	6,605
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	7.13	84.2	53.5	0.06	3.99	3.67	—	6,605
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	2.54	30.0	19.1	0.02	1.42	1.31	—	2,352
Dust From Material Movement	—	—	—	—	1.28	0.51	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	5.47	3.48	< 0.005	0.26	0.24	—	389
Dust From Material Movement	—	—	—	—	0.23	0.09	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.27	0.37	5.80	0.00	0.26	0.06	1.57	381
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	1.72	0.43	< 0.005	0.14	0.09	0.50	250
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.22	0.41	3.56	0.00	0.26	0.06	0.04	323
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	1.84	0.44	< 0.005	0.14	0.09	0.01	249
Average Daily	—	—	—	—	—	—	—	—

Worker	0.08	0.14	1.51	0.00	0.09	0.02	0.24	124
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.04	0.65	0.15	< 0.005	0.05	0.03	0.08	88.9
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.28	0.00	0.02	< 0.005	0.04	20.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.12	0.03	< 0.005	0.01	0.01	0.01	14.7

3.10. Grading (2012) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	7.13	71.5	53.5	0.06	3.99	3.67	—	6,605
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	7.13	71.5	53.5	0.06	3.99	3.67	—	6,605
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	2.54	25.5	19.1	0.02	1.42	1.31	—	2,352
Dust From Material Movement	—	—	—	—	1.28	0.51	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—

Off-Road Equipment	0.46	4.65	3.48	< 0.005	0.26	0.24	—	389
Dust From Material Movement	—	—	—	—	0.23	0.09	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.27	0.37	5.80	0.00	0.26	0.06	1.57	381
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	1.72	0.43	< 0.005	0.14	0.09	0.50	250
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.22	0.41	3.56	0.00	0.26	0.06	0.04	323
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	1.84	0.44	< 0.005	0.14	0.09	0.01	249
Average Daily	—	—	—	—	—	—	—	—
Worker	0.08	0.14	1.51	0.00	0.09	0.02	0.24	124
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.04	0.65	0.15	< 0.005	0.05	0.03	0.08	88.9
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.28	0.00	0.02	< 0.005	0.04	20.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.12	0.03	< 0.005	0.01	0.01	0.01	14.7

3.11. Building Construction (2012) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Off-Road Equipment	3.22	28.3	18.4	0.02	1.90	1.74	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.22	28.3	18.4	0.02	1.90	1.74	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.16	10.2	6.61	0.01	0.68	0.63	—	866
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	1.86	1.21	< 0.005	0.12	0.11	—	143
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	16.2	22.4	353	0.00	15.9	3.73	95.8	23,181
Vendor	3.79	61.1	23.4	0.07	5.04	3.01	26.1	10,192
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	13.1	24.9	216	0.00	15.9	3.73	2.49	19,667
Vendor	3.76	65.3	23.1	0.07	5.06	3.01	0.68	10,145
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	5.14	8.39	93.1	0.00	5.69	1.33	14.9	7,594
Vendor	1.35	23.2	8.27	0.02	1.81	1.08	4.05	3,661
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.94	1.53	17.0	0.00	1.04	0.24	2.47	1,257
Vendor	0.25	4.24	1.51	< 0.005	0.33	0.20	0.67	606

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Construction (2012) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.22	24.1	18.4	0.02	1.90	1.74	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.22	24.1	18.4	0.02	1.90	1.74	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.16	8.67	6.61	0.01	0.68	0.63	—	866
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	1.58	1.21	< 0.005	0.12	0.11	—	143
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	16.2	22.4	353	0.00	15.9	3.73	95.8	23,181
Vendor	3.79	61.1	23.4	0.07	5.04	3.01	26.1	10,192
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	13.1	24.9	216	0.00	15.9	3.73	2.49	19,667
Vendor	3.76	65.3	23.1	0.07	5.06	3.01	0.68	10,145
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—
Worker	5.14	8.39	93.1	0.00	5.69	1.33	14.9	7,594
Vendor	1.35	23.2	8.27	0.02	1.81	1.08	4.05	3,661
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.94	1.53	17.0	0.00	1.04	0.24	2.47	1,257
Vendor	0.25	4.24	1.51	< 0.005	0.33	0.20	0.67	606
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Building Construction (2013) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.06	27.2	17.9	0.02	1.81	1.66	—	2,404
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.06	27.2	17.9	0.02	1.81	1.66	—	2,404
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	2.19	19.5	12.8	0.02	1.29	1.19	—	1,717
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	3.55	2.34	< 0.005	0.24	0.22	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Worker	15.2	20.3	323	0.00	15.9	3.73	96.5	22,711
Vendor	3.21	54.5	20.2	0.07	4.57	2.67	26.1	9,988
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	12.2	22.8	197	0.00	15.9	3.73	2.49	19,132
Vendor	3.11	58.3	19.9	0.07	4.58	2.67	0.68	9,941
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	9.15	15.1	168	0.00	11.3	2.65	29.6	14,664
Vendor	2.27	41.1	14.2	0.05	3.26	1.90	8.04	7,116
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	1.67	2.76	30.7	0.00	2.06	0.48	4.91	2,428
Vendor	0.41	7.50	2.58	0.01	0.59	0.35	1.33	1,178
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Building Construction (2013) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.06	23.2	17.9	0.02	1.81	1.66	—	2,404
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.06	23.2	17.9	0.02	1.81	1.66	—	2,404
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—

Off-Road Equipment	2.19	16.5	12.8	0.02	1.29	1.19	—	1,717
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	3.02	2.34	< 0.005	0.24	0.22	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	15.2	20.3	323	0.00	15.9	3.73	96.5	22,711
Vendor	3.21	54.5	20.2	0.07	4.57	2.67	26.1	9,988
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	12.2	22.8	197	0.00	15.9	3.73	2.49	19,132
Vendor	3.11	58.3	19.9	0.07	4.58	2.67	0.68	9,941
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	9.15	15.1	168	0.00	11.3	2.65	29.6	14,664
Vendor	2.27	41.1	14.2	0.05	3.26	1.90	8.04	7,116
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	1.67	2.76	30.7	0.00	2.06	0.48	4.91	2,428
Vendor	0.41	7.50	2.58	0.01	0.59	0.35	1.33	1,178
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Building Construction (2014) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.89	26.1	17.5	0.02	1.71	1.57	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.89	26.1	17.5	0.02	1.71	1.57	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	2.07	18.6	12.5	0.02	1.22	1.12	—	1,717
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	3.40	2.28	< 0.005	0.22	0.21	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	13.6	17.6	287	0.00	15.9	3.73	96.5	22,270
Vendor	2.37	47.9	16.5	0.07	4.02	2.12	26.1	10,062
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	10.8	20.2	172	0.00	15.9	3.73	2.50	18,773
Vendor	2.33	51.2	16.2	0.07	4.03	2.13	0.68	10,018
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	8.11	13.3	148	0.00	11.3	2.65	29.7	14,388
Vendor	1.67	36.1	11.5	0.05	2.87	1.51	8.04	7,171
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	1.48	2.42	27.1	0.00	2.06	0.48	4.92	2,382

Vendor	0.31	6.59	2.11	0.01	0.52	0.28	1.33	1,187
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Building Construction (2014) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.89	22.2	17.5	0.02	1.71	1.57	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.89	22.2	17.5	0.02	1.71	1.57	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	2.07	15.8	12.5	0.02	1.22	1.12	—	1,717
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	2.89	2.28	< 0.005	0.22	0.21	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	13.6	17.6	287	0.00	15.9	3.73	96.5	22,270
Vendor	2.37	47.9	16.5	0.07	4.02	2.12	26.1	10,062
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	10.8	20.2	172	0.00	15.9	3.73	2.50	18,773
Vendor	2.33	51.2	16.2	0.07	4.03	2.13	0.68	10,018

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	8.11	13.3	148	0.00	11.3	2.65	29.7	14,388
Vendor	1.67	36.1	11.5	0.05	2.87	1.51	8.04	7,171
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	1.48	2.42	27.1	0.00	2.06	0.48	4.92	2,382
Vendor	0.31	6.59	2.11	0.01	0.52	0.28	1.33	1,187
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Building Construction (2015) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.78	25.3	17.3	0.02	1.65	1.51	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.78	25.3	17.3	0.02	1.65	1.51	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.99	18.1	12.4	0.02	1.18	1.08	—	1,717
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	3.30	2.26	< 0.005	0.21	0.20	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	11.9	16.0	255	0.00	15.9	3.73	96.5	21,962
Vendor	2.03	42.4	15.0	0.07	3.82	1.92	26.1	10,104
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	9.29	17.5	151	0.00	15.9	3.73	2.50	18,515
Vendor	2.00	45.4	14.8	0.07	3.82	1.92	0.68	10,060
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	7.39	11.7	131	0.00	11.3	2.65	29.7	14,197
Vendor	1.43	32.0	10.5	0.05	2.72	1.37	8.04	7,201
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	1.35	2.14	24.0	0.00	2.06	0.48	4.92	2,350
Vendor	0.26	5.84	1.92	0.01	0.50	0.25	1.33	1,192
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.18. Building Construction (2015) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.78	21.5	17.3	0.02	1.65	1.51	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.78	21.5	17.3	0.02	1.65	1.51	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.99	15.4	12.4	0.02	1.18	1.08	—	1,717
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	2.81	2.26	< 0.005	0.21	0.20	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	11.9	16.0	255	0.00	15.9	3.73	96.5	21,962
Vendor	2.03	42.4	15.0	0.07	3.82	1.92	26.1	10,104
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	9.29	17.5	151	0.00	15.9	3.73	2.50	18,515
Vendor	2.00	45.4	14.8	0.07	3.82	1.92	0.68	10,060
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	7.39	11.7	131	0.00	11.3	2.65	29.7	14,197
Vendor	1.43	32.0	10.5	0.05	2.72	1.37	8.04	7,201
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	1.35	2.14	24.0	0.00	2.06	0.48	4.92	2,350
Vendor	0.26	5.84	1.92	0.01	0.50	0.25	1.33	1,192
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.19. Building Construction (2016) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e

Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.60	23.8	16.8	0.02	1.53	1.41	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.60	23.8	16.8	0.02	1.53	1.41	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.86	17.1	12.1	0.02	1.10	1.01	—	1,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	3.12	2.20	< 0.005	0.20	0.18	—	285
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	11.0	14.4	232	0.00	15.9	3.73	96.5	21,576
Vendor	1.75	36.9	13.3	0.07	3.62	1.71	26.1	10,196
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	8.47	15.9	137	0.00	15.9	3.73	2.50	18,212
Vendor	1.72	39.5	13.2	0.07	3.62	1.72	0.68	10,157
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	6.81	10.6	120	0.00	11.3	2.65	29.8	13,991
Vendor	1.24	27.8	9.39	0.05	2.59	1.23	8.06	7,288
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—

Worker	1.24	1.94	21.8	0.00	2.07	0.48	4.93	2,316
Vendor	0.23	5.08	1.71	0.01	0.47	0.22	1.33	1,207
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.20. Building Construction (2016) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.60	20.3	16.8	0.02	1.53	1.41	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.60	20.3	16.8	0.02	1.53	1.41	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.86	14.5	12.1	0.02	1.10	1.01	—	1,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	2.65	2.20	< 0.005	0.20	0.18	—	285
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	11.0	14.4	232	0.00	15.9	3.73	96.5	21,576
Vendor	1.75	36.9	13.3	0.07	3.62	1.71	26.1	10,196
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	8.47	15.9	137	0.00	15.9	3.73	2.50	18,212

Vendor	1.72	39.5	13.2	0.07	3.62	1.72	0.68	10,157
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	6.81	10.6	120	0.00	11.3	2.65	29.8	13,991
Vendor	1.24	27.8	9.39	0.05	2.59	1.23	8.06	7,288
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	1.24	1.94	21.8	0.00	2.07	0.48	4.93	2,316
Vendor	0.23	5.08	1.71	0.01	0.47	0.22	1.33	1,207
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.21. Building Construction (2017) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.40	22.3	16.3	0.02	1.40	1.29	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.40	22.3	16.3	0.02	1.40	1.29	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.57	14.6	10.7	0.02	0.92	0.84	—	1,575
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	2.67	1.95	< 0.005	0.17	0.15	—	261
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	10.6	12.9	214	0.00	15.9	3.73	96.5	21,276
Vendor	1.48	32.7	11.6	0.07	3.42	1.58	26.1	10,192
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	8.29	14.4	126	0.00	15.9	3.73	2.50	17,972
Vendor	1.45	35.0	11.6	0.07	3.42	1.58	0.68	10,156
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	5.73	8.70	101	0.00	10.4	2.43	27.3	12,628
Vendor	0.95	22.6	7.51	0.05	2.23	1.03	7.38	6,669
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	1.05	1.59	18.4	0.00	1.89	0.44	4.51	2,091
Vendor	0.17	4.13	1.37	0.01	0.41	0.19	1.22	1,104
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.22. Building Construction (2017) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.40	19.0	16.3	0.02	1.40	1.29	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.40	19.0	16.3	0.02	1.40	1.29	—	2,403

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.57	12.4	10.7	0.02	0.92	0.84	—	1,575
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	2.27	1.95	< 0.005	0.17	0.15	—	261
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	10.6	12.9	214	0.00	15.9	3.73	96.5	21,276
Vendor	1.48	32.7	11.6	0.07	3.42	1.58	26.1	10,192
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	8.29	14.4	126	0.00	15.9	3.73	2.50	17,972
Vendor	1.45	35.0	11.6	0.07	3.42	1.58	0.68	10,156
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	5.73	8.70	101	0.00	10.4	2.43	27.3	12,628
Vendor	0.95	22.6	7.51	0.05	2.23	1.03	7.38	6,669
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	1.05	1.59	18.4	0.00	1.89	0.44	4.51	2,091
Vendor	0.17	4.13	1.37	0.01	0.41	0.19	1.22	1,104
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.23. Paving (2012) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.36	18.4	11.5	0.01	1.46	1.34	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.36	18.4	11.5	0.01	1.46	1.34	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.85	6.63	4.13	0.01	0.53	0.48	—	548
Paving	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	1.21	0.75	< 0.005	0.10	0.09	—	90.7
Paving	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.20	0.28	4.35	0.00	0.20	0.05	1.18	286
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.16	0.31	2.67	0.00	0.20	0.05	0.03	243
Vendor	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

Average Daily	—	—	—	—	—	—	—	—
Worker	0.06	0.10	1.15	0.00	0.07	0.02	0.18	93.7
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.02	0.21	0.00	0.01	< 0.005	0.03	15.5
Vendor	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

3.24. Paving (2012) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.36	15.6	11.5	0.01	1.46	1.34	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.36	15.6	11.5	0.01	1.46	1.34	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.85	5.63	4.13	0.01	0.53	0.48	—	548
Paving	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	1.03	0.75	< 0.005	0.10	0.09	—	90.7

Paving	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.20	0.28	4.35	0.00	0.20	0.05	1.18	286
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.16	0.31	2.67	0.00	0.20	0.05	0.03	243
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.06	0.10	1.15	0.00	0.07	0.02	0.18	93.7
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.02	0.21	0.00	0.01	< 0.005	0.03	15.5
Vendor	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

3.25. Paving (2013) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.22	17.4	11.3	0.01	1.37	1.26	—	1,520
Paving	0.12	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.22	17.4	11.3	0.01	1.37	1.26	—	1,520
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.59	12.4	8.10	0.01	0.98	0.90	—	1,086
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	2.27	1.48	< 0.005	0.18	0.16	—	180
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.19	0.25	3.99	0.00	0.20	0.05	1.19	280
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.15	0.28	2.43	0.00	0.20	0.05	0.03	236
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.11	0.19	2.08	0.00	0.14	0.03	0.37	181
Vendor	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
Annual	—	—	—	—	—	—	—	—

Worker	0.02	0.03	0.38	0.00	0.03	0.01	0.06	29.9
Vendor	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

3.26. Paving (2013) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.22	14.8	11.3	0.01	1.37	1.26	—	1,520
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.22	14.8	11.3	0.01	1.37	1.26	—	1,520
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.59	10.6	8.10	0.01	0.98	0.90	—	1,086
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	1.93	1.48	< 0.005	0.18	0.16	—	180
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.19	0.25	3.99	0.00	0.20	0.05	1.19	280

Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.15	0.28	2.43	0.00	0.20	0.05	0.03	236
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.11	0.19	2.08	0.00	0.14	0.03	0.37	181
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.38	0.00	0.03	0.01	0.06	29.9
Vendor	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

3.27. Paving (2014) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.08	16.5	11.2	0.01	1.28	1.18	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.08	16.5	11.2	0.01	1.28	1.18	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.48	11.8	8.01	0.01	0.91	0.84	—	1,086
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	2.15	1.46	< 0.005	0.17	0.15	—	180
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.17	0.22	3.53	0.00	0.20	0.05	1.19	275
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.13	0.25	2.12	0.00	0.20	0.05	0.03	232
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.10	0.16	1.83	0.00	0.14	0.03	0.37	177
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.33	0.00	0.03	0.01	0.06	29.4
Vendor	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

3.28. Paving (2014) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.08	14.0	11.2	0.01	1.28	1.18	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.08	14.0	11.2	0.01	1.28	1.18	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.48	10.0	8.01	0.01	0.91	0.84	—	1,086
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	1.83	1.46	< 0.005	0.17	0.15	—	180
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.17	0.22	3.53	0.00	0.20	0.05	1.19	275
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.13	0.25	2.12	0.00	0.20	0.05	0.03	232
Vendor	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

Average Daily	—	—	—	—	—	—	—	—
Worker	0.10	0.16	1.83	0.00	0.14	0.03	0.37	177
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.33	0.00	0.03	0.01	0.06	29.4
Vendor	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

3.29. Paving (2015) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.05	16.1	11.2	0.01	1.26	1.16	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.05	16.1	11.2	0.01	1.26	1.16	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.47	11.5	8.03	0.01	0.90	0.83	—	1,086
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	2.09	1.46	< 0.005	0.16	0.15	—	180

Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.15	0.20	3.14	0.00	0.20	0.05	1.19	271
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.11	0.22	1.86	0.00	0.20	0.05	0.03	228
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.09	0.14	1.62	0.00	0.14	0.03	0.37	175
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.30	0.00	0.03	0.01	0.06	29.0
Vendor	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

3.30. Paving (2015) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.05	13.7	11.2	0.01	1.26	1.16	—	1,521
Paving	0.12	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.05	13.7	11.2	0.01	1.26	1.16	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.47	9.75	8.03	0.01	0.90	0.83	—	1,086
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	1.78	1.46	< 0.005	0.16	0.15	—	180
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.15	0.20	3.14	0.00	0.20	0.05	1.19	271
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.11	0.22	1.86	0.00	0.20	0.05	0.03	228
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.09	0.14	1.62	0.00	0.14	0.03	0.37	175
Vendor	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
Annual	—	—	—	—	—	—	—	—

Worker	0.02	0.03	0.30	0.00	0.03	0.01	0.06	29.0
Vendor	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

3.31. Paving (2016) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.96	15.3	11.2	0.01	1.19	1.10	—	1,520
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.96	15.3	11.2	0.01	1.19	1.10	—	1,520
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.41	11.0	8.01	0.01	0.85	0.78	—	1,088
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	2.00	1.46	< 0.005	0.16	0.14	—	180
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.14	0.18	2.86	0.00	0.20	0.05	1.19	266

Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.10	0.20	1.69	0.00	0.20	0.05	0.03	225
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.08	0.13	1.48	0.00	0.14	0.03	0.37	173
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.27	0.00	0.03	0.01	0.06	28.6
Vendor	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

3.32. Paving (2016) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.96	13.0	11.2	0.01	1.19	1.10	—	1,520
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.96	13.0	11.2	0.01	1.19	1.10	—	1,520
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.41	9.31	8.01	0.01	0.85	0.78	—	1,088
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	1.70	1.46	< 0.005	0.16	0.14	—	180
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.14	0.18	2.86	0.00	0.20	0.05	1.19	266
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.10	0.20	1.69	0.00	0.20	0.05	0.03	225
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.08	0.13	1.48	0.00	0.14	0.03	0.37	173
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.27	0.00	0.03	0.01	0.06	28.6
Vendor	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

3.33. Paving (2017) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.80	14.2	11.0	0.01	1.08	0.99	—	1,519
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.80	14.2	11.0	0.01	1.08	0.99	—	1,519
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18	9.28	7.22	0.01	0.71	0.65	—	996
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	1.69	1.32	< 0.005	0.13	0.12	—	165
Paving	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.13	0.16	2.64	0.00	0.20	0.05	1.19	262
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.10	0.18	1.55	0.00	0.20	0.05	0.03	222
Vendor	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

Average Daily	—	—	—	—	—	—	—	—
Worker	0.07	0.11	1.24	0.00	0.13	0.03	0.34	156
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.02	0.23	0.00	0.02	0.01	0.06	25.8
Vendor	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

3.34. Paving (2017) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.80	12.0	11.0	0.01	1.08	0.99	—	1,519
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.80	12.0	11.0	0.01	1.08	0.99	—	1,519
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18	7.89	7.22	0.01	0.71	0.65	—	996
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	1.44	1.32	< 0.005	0.13	0.12	—	165

Paving	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.13	0.16	2.64	0.00	0.20	0.05	1.19	262
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.10	0.18	1.55	0.00	0.20	0.05	0.03	222
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.07	0.11	1.24	0.00	0.13	0.03	0.34	156
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.02	0.23	0.00	0.02	0.01	0.06	25.8
Vendor	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

3.35. Architectural Coating (2013) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	1.33	1.51	< 0.005	0.13	0.12	—	134

Architectural Coatings	27.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	1.33	1.51	< 0.005	0.13	0.12	—	134
Architectural Coatings	27.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.48	0.54	< 0.005	0.05	0.04	—	48.2
Architectural Coatings	9.75	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.09	0.10	< 0.005	0.01	0.01	—	7.99
Architectural Coatings	1.78	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	3.04	4.05	64.7	0.00	3.18	0.75	19.3	4,542
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	2.43	4.55	39.4	0.00	3.18	0.75	0.50	3,826
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.92	1.52	17.0	0.00	1.14	0.27	2.99	1,478

Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.17	0.28	3.10	0.00	0.21	0.05	0.49	245
Vendor	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

3.36. Architectural Coating (2013) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	1.13	1.51	< 0.005	0.13	0.12	—	134
Architectural Coatings	27.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	1.13	1.51	< 0.005	0.13	0.12	—	134
Architectural Coatings	27.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.41	0.54	< 0.005	0.05	0.04	—	48.2
Architectural Coatings	9.75	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.07	0.10	< 0.005	0.01	0.01	—	7.99

Architectural Coatings	1.78	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	3.04	4.05	64.7	0.00	3.18	0.75	19.3	4,542
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	2.43	4.55	39.4	0.00	3.18	0.75	0.50	3,826
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.92	1.52	17.0	0.00	1.14	0.27	2.99	1,478
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.17	0.28	3.10	0.00	0.21	0.05	0.49	245
Vendor	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

3.37. Architectural Coating (2014) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	1.27	1.45	< 0.005	0.12	0.11	—	134

Architectural Coatings	27.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	1.27	1.45	< 0.005	0.12	0.11	—	134
Architectural Coatings	27.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.91	1.04	< 0.005	0.08	0.08	—	95.7
Architectural Coatings	19.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.17	0.19	< 0.005	0.02	0.01	—	15.8
Architectural Coatings	3.53	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	2.71	3.53	57.3	0.00	3.18	0.75	19.3	4,454
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	2.16	4.03	34.3	0.00	3.18	0.75	0.50	3,755
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	1.62	2.65	29.7	0.00	2.26	0.53	5.94	2,878

Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.30	0.48	5.41	0.00	0.41	0.10	0.98	476
Vendor	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

3.38. Architectural Coating (2014) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	1.08	1.45	< 0.005	0.12	0.11	—	134
Architectural Coatings	27.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	1.08	1.45	< 0.005	0.12	0.11	—	134
Architectural Coatings	27.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.77	1.04	< 0.005	0.08	0.08	—	95.7
Architectural Coatings	19.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.14	0.19	< 0.005	0.02	0.01	—	15.8

Architectural Coatings	3.53	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	2.71	3.53	57.3	0.00	3.18	0.75	19.3	4,454
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	2.16	4.03	34.3	0.00	3.18	0.75	0.50	3,755
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	1.62	2.65	29.7	0.00	2.26	0.53	5.94	2,878
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.30	0.48	5.41	0.00	0.41	0.10	0.98	476
Vendor	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

3.39. Architectural Coating (2015) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	1.23	1.40	< 0.005	0.11	0.10	—	134

Architectural Coatings	27.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	1.23	1.40	< 0.005	0.11	0.10	—	134
Architectural Coatings	27.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	0.88	1.00	< 0.005	0.08	0.07	—	95.7
Architectural Coatings	19.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.16	0.18	< 0.005	0.01	0.01	—	15.8
Architectural Coatings	3.53	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	2.39	3.21	51.0	0.00	3.18	0.75	19.3	4,392
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	1.86	3.51	30.2	0.00	3.18	0.75	0.50	3,703
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	1.48	2.35	26.3	0.00	2.26	0.53	5.94	2,839

Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.27	0.43	4.79	0.00	0.41	0.10	0.98	470
Vendor	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

3.40. Architectural Coating (2015) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	1.04	1.40	< 0.005	0.11	0.10	—	134
Architectural Coatings	27.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	1.04	1.40	< 0.005	0.11	0.10	—	134
Architectural Coatings	27.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	0.75	1.00	< 0.005	0.08	0.07	—	95.7
Architectural Coatings	19.3	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.14	0.18	< 0.005	0.01	0.01	—	15.8

Architectural Coatings	3.53	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	2.39	3.21	51.0	0.00	3.18	0.75	19.3	4,392
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	1.86	3.51	30.2	0.00	3.18	0.75	0.50	3,703
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	1.48	2.35	26.3	0.00	2.26	0.53	5.94	2,839
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.27	0.43	4.79	0.00	0.41	0.10	0.98	470
Vendor	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

3.41. Architectural Coating (2016) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	1.18	1.36	< 0.005	0.10	0.09	—	134

Architectural Coatings	27.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	1.18	1.36	< 0.005	0.10	0.09	—	134
Architectural Coatings	27.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.85	0.97	< 0.005	0.07	0.06	—	96.0
Architectural Coatings	19.4	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.15	0.18	< 0.005	0.01	0.01	—	15.9
Architectural Coatings	3.54	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	2.20	2.89	46.4	0.00	3.18	0.75	19.3	4,315
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	1.69	3.19	27.4	0.00	3.18	0.75	0.50	3,642
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	1.36	2.13	23.9	0.00	2.26	0.53	5.95	2,798

Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.25	0.39	4.37	0.00	0.41	0.10	0.99	463
Vendor	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

3.42. Architectural Coating (2016) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	1.01	1.36	< 0.005	0.10	0.09	—	134
Architectural Coatings	27.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	1.01	1.36	< 0.005	0.10	0.09	—	134
Architectural Coatings	27.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.72	0.97	< 0.005	0.07	0.06	—	96.0
Architectural Coatings	19.4	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.13	0.18	< 0.005	0.01	0.01	—	15.9

Architectural Coatings	3.54	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	2.20	2.89	46.4	0.00	3.18	0.75	19.3	4,315
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	1.69	3.19	27.4	0.00	3.18	0.75	0.50	3,642
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	1.36	2.13	23.9	0.00	2.26	0.53	5.95	2,798
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.25	0.39	4.37	0.00	0.41	0.10	0.99	463
Vendor	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

3.43. Architectural Coating (2017) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	1.14	1.32	< 0.005	0.09	0.08	—	134

Architectural Coatings	27.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	1.14	1.32	< 0.005	0.09	0.08	—	134
Architectural Coatings	27.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.75	0.86	< 0.005	0.06	0.05	—	87.8
Architectural Coatings	17.8	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.14	0.16	< 0.005	0.01	0.01	—	14.5
Architectural Coatings	3.24	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	2.13	2.57	42.8	0.00	3.18	0.75	19.3	4,255
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	1.66	2.87	25.1	0.00	3.18	0.75	0.50	3,594
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	1.15	1.74	20.2	0.00	2.07	0.49	5.45	2,526

Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.21	0.32	3.68	0.00	0.38	0.09	0.90	418
Vendor	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

3.44. Architectural Coating (2017) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.97	1.32	< 0.005	0.09	0.08	—	134
Architectural Coatings	27.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.97	1.32	< 0.005	0.09	0.08	—	134
Architectural Coatings	27.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.64	0.86	< 0.005	0.06	0.05	—	87.8
Architectural Coatings	17.8	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.12	0.16	< 0.005	0.01	0.01	—	14.5

Architectural Coatings	3.24	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	2.13	2.57	42.8	0.00	3.18	0.75	19.3	4,255
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	1.66	2.87	25.1	0.00	3.18	0.75	0.50	3,594
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	1.15	1.74	20.2	0.00	2.07	0.49	5.45	2,526
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.21	0.32	3.68	0.00	0.38	0.09	0.90	418
Vendor	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

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	16.2	26.7	204	0.30	21.1	5.66	136	30,744
Regional Shopping Center	20.7	21.3	162	0.21	14.9	4.00	96.2	22,146
Condo/Townhouse	11.1	14.4	109	0.15	10.8	2.89	69.6	15,836
Strip Mall	23.4	38.4	294	0.43	30.3	8.15	197	44,310
General Office Building	0.81	1.34	10.2	0.01	1.06	0.28	6.86	1,545
Unrefrigerated Warehouse-No Rail	5.57	9.16	70.0	0.10	7.24	1.94	46.9	10,569
Single Family Housing	9.88	12.8	97.6	0.14	9.59	2.58	62.1	14,122
Mobile Home Park	14.5	18.7	143	0.20	14.0	3.77	90.8	20,661
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	102	143	1,089	1.54	109	29.3	706	159,933
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	12.4	29.1	133	0.26	21.1	5.66	3.54	26,978
Regional Shopping Center	15.2	23.0	114	0.19	14.9	4.00	2.49	19,495
Condo/Townhouse	8.29	15.6	74.1	0.13	10.8	2.89	1.81	13,915
Strip Mall	17.9	41.9	191	0.37	30.3	8.15	5.10	38,882
General Office Building	0.62	1.46	6.68	0.01	1.06	0.28	0.18	1,356
Unrefrigerated Warehouse-No Rail	4.27	9.99	45.7	0.09	7.24	1.94	1.22	9,274
Single Family Housing	7.39	13.9	66.0	0.12	9.59	2.58	1.61	12,408

Mobile Home Park	10.9	20.3	96.7	0.17	14.0	3.77	2.36	18,155
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	76.9	155	728	1.35	109	29.3	18.3	140,463
Annual	—	—	—	—	—	—	—	—
Hotel	2.10	4.36	24.0	0.04	3.27	0.88	8.34	4,027
Regional Shopping Center	2.75	3.45	19.8	0.03	2.27	0.61	5.78	2,869
Condo/Townhouse	1.40	2.31	12.9	0.02	1.65	0.44	4.21	2,052
Strip Mall	3.00	6.24	34.4	0.06	4.67	1.26	11.9	5,759
General Office Building	0.09	0.19	1.06	< 0.005	0.14	0.04	0.37	178
Unrefrigerated Warehouse-No Rail	0.58	1.21	6.66	0.01	0.90	0.24	2.31	1,116
Single Family Housing	1.32	2.17	12.2	0.02	1.55	0.42	3.95	1,929
Mobile Home Park	1.71	2.81	15.8	0.03	2.00	0.54	5.11	2,494
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	12.9	22.7	127	0.22	16.5	4.43	42.0	20,423

4.1.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	16.2	26.7	204	0.30	21.1	5.66	136	30,744
Regional Shopping Center	20.7	21.3	162	0.21	14.9	4.00	96.2	22,146
Condo/Townhouse	11.1	14.4	109	0.15	10.8	2.89	69.6	15,836
Strip Mall	23.4	38.4	294	0.43	30.3	8.15	197	44,310
General Office Building	0.81	1.34	10.2	0.01	1.06	0.28	6.86	1,545
Unrefrigerated Warehouse-No Rail	5.57	9.16	70.0	0.10	7.24	1.94	46.9	10,569
Single Family Housing	9.88	12.8	97.6	0.14	9.59	2.58	62.1	14,122
Mobile Home Park	14.5	18.7	143	0.20	14.0	3.77	90.8	20,661
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	102	143	1,089	1.54	109	29.3	706	159,933
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	12.4	29.1	133	0.26	21.1	5.66	3.54	26,978
Regional Shopping Center	15.2	23.0	114	0.19	14.9	4.00	2.49	19,495
Condo/Townhouse	8.29	15.6	74.1	0.13	10.8	2.89	1.81	13,915
Strip Mall	17.9	41.9	191	0.37	30.3	8.15	5.10	38,882
General Office Building	0.62	1.46	6.68	0.01	1.06	0.28	0.18	1,356
Unrefrigerated Warehouse-No Rail	4.27	9.99	45.7	0.09	7.24	1.94	1.22	9,274
Single Family Housing	7.39	13.9	66.0	0.12	9.59	2.58	1.61	12,408

Mobile Home Park	10.9	20.3	96.7	0.17	14.0	3.77	2.36	18,155
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	76.9	155	728	1.35	109	29.3	18.3	140,463
Annual	—	—	—	—	—	—	—	—
Hotel	2.10	4.36	24.0	0.04	3.27	0.88	8.34	4,027
Regional Shopping Center	2.75	3.45	19.8	0.03	2.27	0.61	5.78	2,869
Condo/Townhouse	1.40	2.31	12.9	0.02	1.65	0.44	4.21	2,052
Strip Mall	3.00	6.24	34.4	0.06	4.67	1.26	11.9	5,759
General Office Building	0.09	0.19	1.06	< 0.005	0.14	0.04	0.37	178
Unrefrigerated Warehouse-No Rail	0.58	1.21	6.66	0.01	0.90	0.24	2.31	1,116
Single Family Housing	1.32	2.17	12.2	0.02	1.55	0.42	3.95	1,929
Mobile Home Park	1.71	2.81	15.8	0.03	2.00	0.54	5.11	2,494
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	12.9	22.7	127	0.22	16.5	4.43	42.0	20,423

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	3,014
Regional Shopping Center	—	—	—	—	—	—	—	3,715
Condo/Townhouse	—	—	—	—	—	—	—	1,934
Strip Mall	—	—	—	—	—	—	—	1,393
General Office Building	—	—	—	—	—	—	—	478
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	8,425
Single Family Housing	—	—	—	—	—	—	—	2,089
Mobile Home Park	—	—	—	—	—	—	—	7,044
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	1,855
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	29,946
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	3,014
Regional Shopping Center	—	—	—	—	—	—	—	3,715
Condo/Townhouse	—	—	—	—	—	—	—	1,934
Strip Mall	—	—	—	—	—	—	—	1,393
General Office Building	—	—	—	—	—	—	—	478
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	8,425

Single Family Housing	—	—	—	—	—	—	—	2,089
Mobile Home Park	—	—	—	—	—	—	—	7,044
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	1,855
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	29,946
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	499
Regional Shopping Center	—	—	—	—	—	—	—	615
Condo/Townhouse	—	—	—	—	—	—	—	320
Strip Mall	—	—	—	—	—	—	—	231
General Office Building	—	—	—	—	—	—	—	79.1
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,395
Single Family Housing	—	—	—	—	—	—	—	346
Mobile Home Park	—	—	—	—	—	—	—	1,166
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	307
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	4,958

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	2,370
Regional Shopping Center	—	—	—	—	—	—	—	2,202
Condo/Townhouse	—	—	—	—	—	—	—	1,258
Strip Mall	—	—	—	—	—	—	—	1,101
General Office Building	—	—	—	—	—	—	—	382
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	6,740
Single Family Housing	—	—	—	—	—	—	—	243
Mobile Home Park	—	—	—	—	—	—	—	5,636
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	1,484
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	21,415
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	2,370
Regional Shopping Center	—	—	—	—	—	—	—	2,202
Condo/Townhouse	—	—	—	—	—	—	—	1,258
Strip Mall	—	—	—	—	—	—	—	1,101
General Office Building	—	—	—	—	—	—	—	382
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	6,740

Single Family Housing	—	—	—	—	—	—	—	243
Mobile Home Park	—	—	—	—	—	—	—	5,636
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	1,484
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	21,415
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	392
Regional Shopping Center	—	—	—	—	—	—	—	364
Condo/Townhouse	—	—	—	—	—	—	—	208
Strip Mall	—	—	—	—	—	—	—	182
General Office Building	—	—	—	—	—	—	—	63.2
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,116
Single Family Housing	—	—	—	—	—	—	—	40.3
Mobile Home Park	—	—	—	—	—	—	—	933
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	246
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	3,546

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	0.11	2.02	1.69	0.01	0.15	0.15	—	2,411
Regional Shopping Center	0.02	0.36	0.30	< 0.005	0.03	0.03	—	431
Condo/Townhouse	0.06	1.11	0.47	0.01	0.09	0.09	—	1,407
Strip Mall	0.01	0.14	0.11	< 0.005	0.01	0.01	—	162
General Office Building	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	—	34.4
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	0.09	1.60	0.68	0.01	0.13	0.13	—	2,034
Mobile Home Park	0.19	3.25	1.38	0.02	0.26	0.26	—	4,139
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.49	8.50	4.67	0.05	0.67	0.67	—	10,619
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	0.11	2.02	1.69	0.01	0.15	0.15	—	2,411
Regional Shopping Center	0.02	0.36	0.30	< 0.005	0.03	0.03	—	431
Condo/Townhouse	0.06	1.11	0.47	0.01	0.09	0.09	—	1,407
Strip Mall	0.01	0.14	0.11	< 0.005	0.01	0.01	—	162
General Office Building	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	—	34.4
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

Single Family Housing	0.09	1.60	0.68	0.01	0.13	0.13	—	2,034
Mobile Home Park	0.19	3.25	1.38	0.02	0.26	0.26	—	4,139
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.49	8.50	4.67	0.05	0.67	0.67	—	10,619
Annual	—	—	—	—	—	—	—	—
Hotel	0.02	0.37	0.31	< 0.005	0.03	0.03	—	399
Regional Shopping Center	< 0.005	0.07	0.06	< 0.005	0.01	0.01	—	71.4
Condo/Townhouse	0.01	0.20	0.09	< 0.005	0.02	0.02	—	233
Strip Mall	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	26.8
General Office Building	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	—	5.70
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	0.02	0.29	0.12	< 0.005	0.02	0.02	—	337
Mobile Home Park	0.03	0.59	0.25	< 0.005	0.05	0.05	—	685
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.09	1.55	0.85	0.01	0.12	0.12	—	1,758

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	0.11	2.02	1.69	0.01	0.15	0.15	—	2,411
Regional Shopping Center	0.02	0.36	0.30	< 0.005	0.03	0.03	—	431
Condo/Townhouse	0.06	1.11	0.47	0.01	0.09	0.09	—	1,407
Strip Mall	0.01	0.14	0.11	< 0.005	0.01	0.01	—	162
General Office Building	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	—	34.4
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	0.09	1.60	0.68	0.01	0.13	0.13	—	2,034
Mobile Home Park	0.19	3.25	1.38	0.02	0.26	0.26	—	4,139
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.49	8.50	4.67	0.05	0.67	0.67	—	10,619
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	0.11	2.02	1.69	0.01	0.15	0.15	—	2,411
Regional Shopping Center	0.02	0.36	0.30	< 0.005	0.03	0.03	—	431
Condo/Townhouse	0.06	1.11	0.47	0.01	0.09	0.09	—	1,407
Strip Mall	0.01	0.14	0.11	< 0.005	0.01	0.01	—	162
General Office Building	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	—	34.4
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

Single Family Housing	0.09	1.60	0.68	0.01	0.13	0.13	—	2,034
Mobile Home Park	0.19	3.25	1.38	0.02	0.26	0.26	—	4,139
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.49	8.50	4.67	0.05	0.67	0.67	—	10,619
Annual	—	—	—	—	—	—	—	—
Hotel	0.02	0.37	0.31	< 0.005	0.03	0.03	—	399
Regional Shopping Center	< 0.005	0.07	0.06	< 0.005	0.01	0.01	—	71.4
Condo/Townhouse	0.01	0.20	0.09	< 0.005	0.02	0.02	—	233
Strip Mall	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	26.8
General Office Building	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	—	5.70
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	0.02	0.29	0.12	< 0.005	0.02	0.02	—	337
Mobile Home Park	0.03	0.59	0.25	< 0.005	0.05	0.05	—	685
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.09	1.55	0.85	0.01	0.12	0.12	—	1,758

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hearths	0.73	12.4	5.29	0.08	1.00	1.00	—	17,722
Consumer Products	41.1	—	—	—	—	—	—	—
Architectural Coatings	4.30	—	—	—	—	—	—	—
Landscape Equipment	15.6	1.18	112	0.01	0.15	0.11	—	367
Total	61.7	13.6	117	0.09	1.15	1.12	—	18,089
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hearths	0.73	12.4	5.29	0.08	1.00	1.00	—	17,722
Consumer Products	41.1	—	—	—	—	—	—	—
Architectural Coatings	4.30	—	—	—	—	—	—	—
Total	46.1	12.4	5.29	0.08	1.00	1.00	—	17,722
Annual	—	—	—	—	—	—	—	—
Hearths	0.01	0.16	0.07	< 0.005	0.01	0.01	—	201
Consumer Products	7.49	—	—	—	—	—	—	—
Architectural Coatings	0.78	—	—	—	—	—	—	—
Landscape Equipment	1.41	0.11	10.1	< 0.005	0.01	0.01	—	30.0
Total	9.69	0.26	10.1	< 0.005	0.03	0.02	—	231

4.3.2. Mitigated

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

Source	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hearths	0.73	12.4	5.29	0.08	1.00	1.00	—	17,722
Consumer Products	38.0	—	—	—	—	—	—	—
Architectural Coatings	4.30	—	—	—	—	—	—	—
Landscape Equipment	15.6	1.18	112	0.01	0.15	0.11	—	367
Total	58.6	13.6	117	0.09	1.15	1.12	—	18,089
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hearths	0.73	12.4	5.29	0.08	1.00	1.00	—	17,722
Consumer Products	38.0	—	—	—	—	—	—	—
Architectural Coatings	4.30	—	—	—	—	—	—	—
Total	43.0	12.4	5.29	0.08	1.00	1.00	—	17,722
Annual	—	—	—	—	—	—	—	—
Hearths	0.01	0.16	0.07	< 0.005	0.01	0.01	—	201
Consumer Products	6.94	—	—	—	—	—	—	—
Architectural Coatings	0.78	—	—	—	—	—	—	—
Landscape Equipment	1.41	0.11	10.1	< 0.005	0.01	0.01	—	30.0
Total	9.13	0.26	10.1	< 0.005	0.03	0.02	—	231

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Hotel	—	—	—	—	—	—	—	71.9
Regional Shopping Center	—	—	—	—	—	—	—	123
Condo/Townhouse	—	—	—	—	—	—	—	143
Strip Mall	—	—	—	—	—	—	—	290
General Office Building	—	—	—	—	—	—	—	237
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	2,171
Single Family Housing	—	—	—	—	—	—	—	846
Mobile Home Park	—	—	—	—	—	—	—	539
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	4,421
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	71.9
Regional Shopping Center	—	—	—	—	—	—	—	123
Condo/Townhouse	—	—	—	—	—	—	—	143
Strip Mall	—	—	—	—	—	—	—	290
General Office Building	—	—	—	—	—	—	—	237
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	2,171
Single Family Housing	—	—	—	—	—	—	—	846
Mobile Home Park	—	—	—	—	—	—	—	539

User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	4,421
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	11.9
Regional Shopping Center	—	—	—	—	—	—	—	20.4
Condo/Townhouse	—	—	—	—	—	—	—	23.7
Strip Mall	—	—	—	—	—	—	—	48.0
General Office Building	—	—	—	—	—	—	—	39.2
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	359
Single Family Housing	—	—	—	—	—	—	—	140
Mobile Home Park	—	—	—	—	—	—	—	89.2
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	732

4.4.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Hotel	—	—	—	—	—	—	—	62.1
Regional Shopping Center	—	—	—	—	—	—	—	123
Condo/Townhouse	—	—	—	—	—	—	—	133
Strip Mall	—	—	—	—	—	—	—	290
General Office Building	—	—	—	—	—	—	—	237
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	2,171
Single Family Housing	—	—	—	—	—	—	—	846
Mobile Home Park	—	—	—	—	—	—	—	509
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	4,371
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	62.1
Regional Shopping Center	—	—	—	—	—	—	—	123
Condo/Townhouse	—	—	—	—	—	—	—	133
Strip Mall	—	—	—	—	—	—	—	290
General Office Building	—	—	—	—	—	—	—	237
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	2,171
Single Family Housing	—	—	—	—	—	—	—	846
Mobile Home Park	—	—	—	—	—	—	—	509

User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	4,371
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	10.3
Regional Shopping Center	—	—	—	—	—	—	—	20.4
Condo/Townhouse	—	—	—	—	—	—	—	22.1
Strip Mall	—	—	—	—	—	—	—	48.0
General Office Building	—	—	—	—	—	—	—	39.2
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	359
Single Family Housing	—	—	—	—	—	—	—	140
Mobile Home Park	—	—	—	—	—	—	—	84.3
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	724

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	155
Regional Shopping Center	—	—	—	—	—	—	—	198
Condo/Townhouse	—	—	—	—	—	—	—	293
Strip Mall	—	—	—	—	—	—	—	148
General Office Building	—	—	—	—	—	—	—	17.5
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,060
Single Family Housing	—	—	—	—	—	—	—	307
Mobile Home Park	—	—	—	—	—	—	—	1,144
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	3,322
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	155
Regional Shopping Center	—	—	—	—	—	—	—	198
Condo/Townhouse	—	—	—	—	—	—	—	293
Strip Mall	—	—	—	—	—	—	—	148
General Office Building	—	—	—	—	—	—	—	17.5
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,060

Single Family Housing	—	—	—	—	—	—	—	307
Mobile Home Park	—	—	—	—	—	—	—	1,144
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	3,322
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	25.6
Regional Shopping Center	—	—	—	—	—	—	—	32.8
Condo/Townhouse	—	—	—	—	—	—	—	48.5
Strip Mall	—	—	—	—	—	—	—	24.6
General Office Building	—	—	—	—	—	—	—	2.90
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	175
Single Family Housing	—	—	—	—	—	—	—	50.9
Mobile Home Park	—	—	—	—	—	—	—	189
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	550

4.5.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	155
Regional Shopping Center	—	—	—	—	—	—	—	198
Condo/Townhouse	—	—	—	—	—	—	—	293
Strip Mall	—	—	—	—	—	—	—	148
General Office Building	—	—	—	—	—	—	—	17.5
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,060
Single Family Housing	—	—	—	—	—	—	—	307
Mobile Home Park	—	—	—	—	—	—	—	1,144
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	3,322
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	155
Regional Shopping Center	—	—	—	—	—	—	—	198
Condo/Townhouse	—	—	—	—	—	—	—	293
Strip Mall	—	—	—	—	—	—	—	148
General Office Building	—	—	—	—	—	—	—	17.5
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,060

Single Family Housing	—	—	—	—	—	—	—	307
Mobile Home Park	—	—	—	—	—	—	—	1,144
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	3,322
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	25.6
Regional Shopping Center	—	—	—	—	—	—	—	32.8
Condo/Townhouse	—	—	—	—	—	—	—	48.5
Strip Mall	—	—	—	—	—	—	—	24.6
General Office Building	—	—	—	—	—	—	—	2.90
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	175
Single Family Housing	—	—	—	—	—	—	—	50.9
Mobile Home Park	—	—	—	—	—	—	—	189
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	550

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	340	340
Regional Shopping Center	—	—	—	—	—	—	0.48	0.48
Condo/Townhouse	—	—	—	—	—	—	1.59	1.59
Strip Mall	—	—	—	—	—	—	0.47	0.47
General Office Building	—	—	—	—	—	—	0.02	0.02
Single Family Housing	—	—	—	—	—	—	2.49	2.49
Mobile Home Park	—	—	—	—	—	—	2.28	2.28
Total	—	—	—	—	—	—	348	348
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	340	340
Regional Shopping Center	—	—	—	—	—	—	0.48	0.48
Condo/Townhouse	—	—	—	—	—	—	1.59	1.59
Strip Mall	—	—	—	—	—	—	0.47	0.47
General Office Building	—	—	—	—	—	—	0.02	0.02
Single Family Housing	—	—	—	—	—	—	2.49	2.49
Mobile Home Park	—	—	—	—	—	—	2.28	2.28
Total	—	—	—	—	—	—	348	348
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	56.4	56.4

Regional Shopping Center	—	—	—	—	—	—	0.08	0.08
Condo/Townhouse	—	—	—	—	—	—	0.26	0.26
Strip Mall	—	—	—	—	—	—	0.08	0.08
General Office Building	—	—	—	—	—	—	< 0.005	< 0.005
Single Family Housing	—	—	—	—	—	—	0.41	0.41
Mobile Home Park	—	—	—	—	—	—	0.38	0.38
Total	—	—	—	—	—	—	57.6	57.6

4.6.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	340	340
Regional Shopping Center	—	—	—	—	—	—	0.48	0.48
Condo/Townhouse	—	—	—	—	—	—	1.59	1.59
Strip Mall	—	—	—	—	—	—	0.47	0.47
General Office Building	—	—	—	—	—	—	0.02	0.02
Single Family Housing	—	—	—	—	—	—	2.49	2.49
Mobile Home Park	—	—	—	—	—	—	2.28	2.28
Total	—	—	—	—	—	—	348	348
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	340	340
Regional Shopping Center	—	—	—	—	—	—	0.48	0.48

Condo/Townhouse	—	—	—	—	—	—	1.59	1.59
Strip Mall	—	—	—	—	—	—	0.47	0.47
General Office Building	—	—	—	—	—	—	0.02	0.02
Single Family Housing	—	—	—	—	—	—	2.49	2.49
Mobile Home Park	—	—	—	—	—	—	2.28	2.28
Total	—	—	—	—	—	—	348	348
Annual	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	56.4	56.4
Regional Shopping Center	—	—	—	—	—	—	0.08	0.08
Condo/Townhouse	—	—	—	—	—	—	0.26	0.26
Strip Mall	—	—	—	—	—	—	0.08	0.08
General Office Building	—	—	—	—	—	—	< 0.005	< 0.005
Single Family Housing	—	—	—	—	—	—	0.41	0.41
Mobile Home Park	—	—	—	—	—	—	0.38	0.38
Total	—	—	—	—	—	—	57.6	57.6

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—

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

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

Vegetation	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—

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

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—

Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	1/1/2011	2/11/2011	5.00	30.0	—

Site Preparation	Site Preparation	2/12/2011	3/1/2012	5.00	274	—
Grading	Grading	6/1/2011	6/30/2012	5.00	283	—
Building Construction	Building Construction	7/1/2012	12/1/2017	5.00	1,415	—
Paving	Paving	7/1/2012	12/1/2017	5.00	1,415	—
Architectural Coating	Architectural Coating	7/1/2013	12/1/2017	5.00	1,155	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	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	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	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/Backhoes	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
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	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	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	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/Backhoes	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
Demolition	—	—	—	—
Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	21.1	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
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	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	3.31	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	1,216	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	297	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	243	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
Demolition	—	—	—	—
Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	21.1	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
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	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	3.31	20.0	HHDT
Grading	Onsite truck	—	—	HHDT

Building Construction	—	—	—	—
Building Construction	Worker	1,216	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	297	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	243	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

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	1,798,666	599,555	1,532,501	510,834	141,134

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	55,000	—
Site Preparation	—	—	411	0.00	—
Grading	4,400	7,500	849	0.00	—
Paving	0.00	0.00	0.00	0.00	73.0

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Hotel	0.00	0%
Regional Shopping Center	0.00	0%
Condo/Townhouse	—	0%
Strip Mall	0.00	0%
General Office Building	0.00	0%
Unrefrigerated Warehouse-No Rail	0.00	0%
Single Family Housing	1.96	0%
Mobile Home Park	6.00	80%
Mobile Home Park	6.00	80%

User Defined Industrial	5.00	0%
Parking Lot	38.7	100%
Other Asphalt Surfaces	15.3	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2011	0.00	457	0.03	< 0.005
2012	0.00	457	0.03	< 0.005
2013	0.00	457	0.03	< 0.005
2014	0.00	457	0.03	< 0.005
2015	0.00	457	0.03	< 0.005
2016	0.00	457	0.03	< 0.005
2017	0.00	457	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Hotel	1,835	2,157	1,577	672,956	24,776	29,131	21,291	9,088,540
Regional Shopping Center	3,040	3,211	2,110	1,070,024	17,379	20,541	13,498	6,305,858
Condo/Townhouse	1,415	1,615	859	498,006	13,034	14,871	7,909	4,585,857
Strip Mall	2,698	3,109	1,859	962,388	36,434	41,985	25,110	12,997,436
General Office Building	108	22.1	7.00	29,779	1,464	298	94.5	402,175
Unrefrigerated Warehouse-No Rail	419	742	742	186,465	5,653	10,015	10,015	2,518,285

Single Family Housing	1,330	1,440	890	468,155	12,244	13,260	8,196	4,310,978
Mobile Home Park	970	1,290	970	370,736	7,758	10,317	7,758	2,964,966
Mobile Home Park	621	826	621	237,271	6,829	9,082	6,829	2,609,979
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Hotel	1,835	2,157	1,577	672,956	24,776	29,131	21,291	9,088,540
Regional Shopping Center	3,040	3,211	2,110	1,070,024	17,379	20,541	13,498	6,305,858
Condo/Townhouse	1,415	1,615	859	498,006	13,034	14,871	7,909	4,585,857
Strip Mall	2,698	3,109	1,859	962,388	36,434	41,985	25,110	12,997,436
General Office Building	108	22.1	7.00	29,779	1,464	298	94.5	402,175
Unrefrigerated Warehouse-No Rail	419	742	742	186,465	5,653	10,015	10,015	2,518,285
Single Family Housing	1,330	1,440	890	468,155	12,244	13,260	8,196	4,310,978
Mobile Home Park	970	1,290	970	370,736	7,758	10,317	7,758	2,964,966
Mobile Home Park	621	826	621	237,271	6,829	9,082	6,829	2,609,979
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Condo/Townhouse	—
Wood Fireplaces	0
Gas Fireplaces	289
Propane Fireplaces	0
Electric Fireplaces	17
No Fireplaces	34
Conventional Wood Stoves	0
Catalytic Wood Stoves	17
Non-Catalytic Wood Stoves	17
Pellet Wood Stoves	0
Single Family Housing	—
Wood Fireplaces	25
Gas Fireplaces	410
Propane Fireplaces	0
Electric Fireplaces	26
No Fireplaces	52
Conventional Wood Stoves	0
Catalytic Wood Stoves	26
Non-Catalytic Wood Stoves	26
Pellet Wood Stoves	0
Mobile Home Park	—

Wood Fireplaces	0
Gas Fireplaces	425
Propane Fireplaces	0
Electric Fireplaces	25
No Fireplaces	50
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	320
No Fireplaces	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	25
Non-Catalytic Wood Stoves	25
Pellet Wood Stoves	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	16
Non-Catalytic Wood Stoves	16
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Condo/Townhouse	—
Wood Fireplaces	0
Gas Fireplaces	289
Propane Fireplaces	0
Electric Fireplaces	17
No Fireplaces	34

Conventional Wood Stoves	0
Catalytic Wood Stoves	17
Non-Catalytic Wood Stoves	17
Pellet Wood Stoves	0
Single Family Housing	—
Wood Fireplaces	25
Gas Fireplaces	410
Propane Fireplaces	0
Electric Fireplaces	26
No Fireplaces	52
Conventional Wood Stoves	0
Catalytic Wood Stoves	26
Non-Catalytic Wood Stoves	26
Pellet Wood Stoves	0
Mobile Home Park	—
Wood Fireplaces	0
Gas Fireplaces	425
Propane Fireplaces	0
Electric Fireplaces	25
No Fireplaces	50
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	320
No Fireplaces	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	25

Non-Catalytic Wood Stoves	25
Pellet Wood Stoves	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	16
Non-Catalytic Wood Stoves	16
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
1798665.75	599,555	1,532,501	510,834	141,134

5.10.3. Landscape Equipment

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

5.10.4. Landscape Equipment - Mitigated

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

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

Hotel	2,398,832	457	0.0330	0.0040	7,503,104
Regional Shopping Center	2,956,812	457	0.0330	0.0040	1,342,553
Condo/Townhouse	1,539,120	457	0.0330	0.0040	4,378,642
Strip Mall	1,108,805	457	0.0330	0.0040	503,458
General Office Building	380,325	457	0.0330	0.0040	107,164
Unrefrigerated Warehouse-No Rail	6,706,220	457	0.0330	0.0040	0.00
Single Family Housing	1,662,385	457	0.0330	0.0040	6,330,448
Mobile Home Park	3,419,003	457	0.0330	0.0040	12,878,656
Mobile Home Park	2,188,162	457	0.0330	0.0040	0.00
User Defined Industrial	0.00	457	0.0330	0.0040	0.00
Parking Lot	1,476,736	457	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	457	0.0330	0.0040	0.00

5.11.2. Mitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Hotel	1,886,074	457	0.0330	0.0040	7,503,104
Regional Shopping Center	1,752,387	457	0.0330	0.0040	1,342,553
Condo/Townhouse	1,001,529	457	0.0330	0.0040	4,378,642
Strip Mall	876,195	457	0.0330	0.0040	503,458
General Office Building	303,985	457	0.0330	0.0040	107,164
Unrefrigerated Warehouse-No Rail	5,364,977	457	0.0330	0.0040	0.00
Single Family Housing	193,812	457	0.0330	0.0040	6,330,448
Mobile Home Park	2,735,203	457	0.0330	0.0040	12,878,656
Mobile Home Park	1,750,529	457	0.0330	0.0040	0.00
User Defined Industrial	0.00	457	0.0330	0.0040	0.00

Parking Lot	1,181,389	457	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	457	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Hotel	3,805,016	4,446,831
Regional Shopping Center	7,407,252	4,446,831
Condo/Townhouse	8,541,493	5,435,016
Strip Mall	5,555,439	52,297,012
General Office Building	1,777,337	52,297,012
Unrefrigerated Warehouse-No Rail	138,287,500	52,297,012
Single Family Housing	7,239,932	183,781,003
Mobile Home Park	20,336,888	8,212,444
Mobile Home Park	13,015,608	8,212,444
User Defined Industrial	0.00	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Hotel	3,805,016	2,014,106
Regional Shopping Center	7,407,252	4,446,831
Condo/Townhouse	8,541,493	3,002,291
Strip Mall	5,555,439	52,297,012
General Office Building	1,777,337	52,297,012

Unrefrigerated Warehouse-No Rail	138,287,500	52,297,012
Single Family Housing	7,239,932	183,781,003
Mobile Home Park	20,336,888	4,536,536
Mobile Home Park	13,015,608	4,536,536
User Defined Industrial	0.00	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Hotel	82.1	—
Regional Shopping Center	105	—
Condo/Townhouse	155	—
Strip Mall	78.8	—
General Office Building	9.30	—
Unrefrigerated Warehouse-No Rail	562	—
Single Family Housing	163	—
Mobile Home Park	370	—
Mobile Home Park	237	—
User Defined Industrial	0.00	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)

Hotel	82.1	—
Regional Shopping Center	105	—
Condo/Townhouse	155	—
Strip Mall	78.8	—
General Office Building	9.30	—
Unrefrigerated Warehouse-No Rail	562	—
Single Family Housing	163	—
Mobile Home Park	370	—
Mobile Home Park	237	—
User Defined Industrial	0.00	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Mobile Home Park	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Mobile Home Park	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Mobile Home Park	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Mobile Home Park	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Mobile Home Park	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0

Mobile Home Park	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Mobile Home Park	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Mobile Home Park	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

5.15.2. Mitigated

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

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

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

5.16.2. Process Boilers

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

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

5.18.2.2. Mitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	21.5	annual days of extreme heat
Extreme Precipitation	0.50	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.23	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	2	3	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	3	2	3	2
Snowpack Reduction	N/A	N/A	N/A	N/A

Air Quality Degradation	5	2	3	3

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

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	2	3	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	3	2	3	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	5	2	3	3

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—

AQ-Ozone	77.1
AQ-PM	7.31
AQ-DPM	9.38
Drinking Water	67.0
Lead Risk Housing	31.7
Pesticides	95.0
Toxic Releases	3.14
Traffic	6.09
Effect Indicators	—
CleanUp Sites	22.6
Groundwater	0.00
Haz Waste Facilities/Generators	35.6
Impaired Water Bodies	97.5
Solid Waste	83.3
Sensitive Population	—
Asthma	21.2
Cardio-vascular	47.3
Low Birth Weights	53.8
Socioeconomic Factor Indicators	—
Education	96.2
Housing	77.2
Linguistic	99.1
Poverty	95.5
Unemployment	93.8

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	2.527909663
Employed	8.956756063
Median HI	7.262928269
Education	—
Bachelor's or higher	24.75298345
High school enrollment	22.50737842
Preschool enrollment	7.814705505
Transportation	—
Auto Access	49.51879892
Active commuting	13.6147825
Social	—
2-parent households	34.82612601
Voting	66.44424484
Neighborhood	—
Alcohol availability	91.1587322
Park access	5.389452072
Retail density	5.864237136
Supermarket access	2.399589375
Tree canopy	8.404978827
Housing	—
Homeownership	77.35146927
Housing habitability	8.956756063
Low-inc homeowner severe housing cost burden	12.29308354
Low-inc renter severe housing cost burden	61.6963942
Uncrowded housing	15.89888361

Health Outcomes	—
Insured adults	2.463749519
Arthritis	0.0
Asthma ER Admissions	63.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	81.1
Cognitively Disabled	76.7
Physically Disabled	74.5
Heart Attack ER Admissions	49.3
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	39.9
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0

Children	16.3
Elderly	50.9
English Speaking	2.2
Foreign-born	93.3
Outdoor Workers	0.1
Climate Change Adaptive Capacity	—
Impervious Surface Cover	96.0
Traffic Density	2.2
Traffic Access	23.0
Other Indices	—
Hardship	97.8
Other Decision Support	—
2016 Voting	63.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	66.0
Healthy Places Index Score for Project Location (b)	6.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	EasternCoachellaValley

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

7.4. Health & Equity Measures

Measure Title	Co-Benefits Achieved
IC-2: Adopt Design Standards	—

IC-3: Promotes Accessibility	—
IC-4: Enhanced Open and Green Spaces	—
IC-7: Equal Access to Building Amenities	—
IC-8: Enhanced Access to Community Resources	—

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	See TRSP AQ/GHG report Table 6-8CalEEMod Land Use Assumptions. Landscaping acreage from TRSP DEIR Table 2.12-5 Projected Outdoor Irrigation Water Demand. Assumes average RV is 500 SF.
Construction: Construction Phases	The same construction phase schedule/duration used for proposed Project.
Construction: Paving	Assumes 12 acres of hardscape for workforce housing. 5 acres of off site water tank location will be permanently disturbed, assumes paved.
Operations: Vehicle Data	Same trip rates used for proposed Project.
Operations: Hearths	Assumes wood burning fireplaces are limited to single family estates. Workforce housing and condos will not have wood burning hearths. No wood burning stoves proposed.
Operations: Energy Use	2019 Title 24 standards not available in 2017. RV park does not use natural gas. The equestrian stables (unrefrigerated warehouse) do not use natural gas.

Thermal Ranch Specific Plan Alternative D Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Thermal Ranch Specific Plan Alternative D
Construction Start Date	1/1/2026
Operational Year	2032
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	8.80
Location	33.59088711062806, -116.17302750036589
County	Riverside-Salton Sea
City	Unincorporated
Air District	South Coast AQMD
Air Basin	Salton Sea
TAZ	5697
EDFZ	19
Electric Utility	Imperial Irrigation District
Gas Utility	Southern California Gas
App Version	2022.1.1.26

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
Strip Mall	75.0	1000sqft	1.72	75,000	1,728,542	865,891	—	—

General Office Building	10.0	1000sqft	0.23	10,000	1,728,542	865,891	—	—
Unrefrigerated Warehouse-No Rail	598	1000sqft	182	598,000	1,728,542	865,891	—	—
Single Family Housing	522	Dwelling Unit	340	1,017,900	8,012,862	—	1,686	—
Mobile Home Park	500	Dwelling Unit	18.3	158,530	358,063	—	1,615	—
Mobile Home Park	320	Dwelling Unit	22.8	160,000	358,063	—	1,034	—
User Defined Industrial	1.00	User Defined Unit	13.6	20,867	0.00	—	—	—
Parking Lot	4,302	Space	38.7	0.00	0.00	—	—	—
Other Asphalt Surfaces	15.3	Acre	15.3	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-7	Use Oxidation Catalyst
Construction	C-9	Use Dust Suppressants
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Construction	C-12	Sweep Paved Roads
Transportation	T-14*	Provide Electric Vehicle Charging Infrastructure
Transportation	T-34*	Provide Bike Parking
Transportation	T-53*	Electrify Loading Docks
Energy	E-1	Buildings Exceed 2019 Title 24 Building Envelope Energy Efficiency Standards
Energy	E-2	Require Energy Efficient Appliances
Energy	E-7*	Require Higher Efficacy Public Street and Area Lighting
Energy	E-10-B	Establish Onsite Renewable Energy Systems: Solar Power
Water	W-5	Design Water-Efficient Landscapes

Area Sources	AS-1	Use Low-VOC Cleaning Supplies

* 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.	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Unmit.	21.0	56.8	127	0.11	19.8	7.67	66.9	30,380
Mit.	21.0	48.4	127	0.11	19.8	7.67	66.9	30,380
% Reduced	—	15%	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Unmit.	20.0	56.8	83.4	0.11	19.8	7.67	1.73	27,650
Mit.	20.0	48.4	83.4	0.11	19.8	7.67	1.73	27,650
% Reduced	—	15%	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—
Unmit.	14.3	31.9	66.3	0.07	14.0	4.40	19.5	20,150
Mit.	14.3	27.1	66.3	0.07	14.0	4.40	19.5	20,150
% Reduced	—	15%	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—
Unmit.	2.61	5.82	12.1	0.01	2.56	0.80	3.22	3,336
Mit.	2.61	4.95	12.1	0.01	2.56	0.80	3.22	3,336
% Reduced	—	15%	—	—	—	—	—	—
Exceeds (Daily Max)	—	—	—	—	—	—	—	—
Threshold	75.0	100	550	150	150	55.0	—	—

Unmit.	No	No	No	No	No	No	—	—
Mit.	No	No	No	No	No	No	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—
Threshold	75.0	100	550	150	150	55.0	—	—
Unmit.	No	No	No	No	No	No	—	—
Mit.	No	No	No	No	No	No	—	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—
2026	6.36	56.8	59.8	0.11	14.2	7.67	2.20	12,722
2027	6.83	28.9	115	0.10	17.1	4.62	64.8	27,715
2028	21.0	28.9	127	0.10	19.8	5.22	66.9	30,380
2029	20.6	27.6	120	0.10	19.8	5.18	60.4	29,829
2030	19.8	26.4	114	0.10	19.7	5.14	54.3	29,310
2031	19.5	25.6	108	0.10	19.7	5.12	48.7	28,811
2032	19.3	24.5	103	0.10	19.7	5.09	43.4	28,182
Daily - Winter (Max)	—	—	—	—	—	—	—	—
2026	6.33	56.8	58.3	0.11	14.2	7.67	0.09	12,639
2027	6.14	54.0	76.9	0.11	17.1	7.54	1.68	25,377
2028	20.0	30.1	83.4	0.10	19.8	5.22	1.73	27,650
2029	19.2	28.6	80.0	0.10	19.8	5.18	1.57	27,160
2030	19.1	27.5	76.1	0.10	19.7	5.14	1.41	26,696
2031	18.8	26.2	72.7	0.10	19.7	5.12	1.26	26,248
2032	18.6	25.6	70.0	0.10	19.7	5.09	1.13	25,821
Average Daily	—	—	—	—	—	—	—	—

2026	3.54	31.9	32.7	0.06	8.10	4.40	0.60	6,911
2027	3.69	23.0	45.8	0.06	8.94	3.13	10.3	12,639
2028	9.41	20.4	65.5	0.07	13.1	3.48	19.5	19,549
2029	14.3	19.9	66.3	0.07	14.0	3.68	18.6	20,150
2030	13.7	19.4	63.2	0.07	14.0	3.65	16.7	19,804
2031	13.6	18.6	60.1	0.07	14.0	3.64	15.0	19,470
2032	12.3	16.3	53.2	0.06	12.9	3.33	12.3	17,630
Annual	—	—	—	—	—	—	—	—
2026	0.65	5.82	5.96	0.01	1.48	0.80	0.10	1,144
2027	0.67	4.20	8.36	0.01	1.63	0.57	1.71	2,092
2028	1.72	3.72	11.9	0.01	2.39	0.64	3.22	3,237
2029	2.61	3.63	12.1	0.01	2.56	0.67	3.08	3,336
2030	2.51	3.54	11.5	0.01	2.56	0.67	2.77	3,279
2031	2.47	3.39	11.0	0.01	2.55	0.66	2.49	3,224
2032	2.25	2.98	9.71	0.01	2.35	0.61	2.04	2,919

2.3. Construction Emissions by Year, Mitigated

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

Year	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—
2026	6.36	48.4	59.8	0.11	14.2	7.67	2.20	12,722
2027	6.83	26.5	115	0.10	17.1	4.62	64.8	27,715
2028	21.0	26.5	127	0.10	19.8	5.22	66.9	30,380
2029	20.6	25.2	120	0.10	19.8	5.18	60.4	29,829
2030	19.8	24.1	114	0.10	19.7	5.14	54.3	29,310
2031	19.5	23.4	108	0.10	19.7	5.12	48.7	28,811
2032	19.3	22.4	103	0.10	19.7	5.09	43.4	28,182

Daily - Winter (Max)	—	—	—	—	—	—	—	—
2026	6.33	48.4	58.3	0.11	14.2	7.67	0.09	12,639
2027	6.14	46.0	76.9	0.11	17.1	7.54	1.68	25,377
2028	20.0	27.6	83.4	0.10	19.8	5.22	1.73	27,650
2029	19.2	26.3	80.0	0.10	19.8	5.18	1.57	27,160
2030	19.1	25.1	76.1	0.10	19.7	5.14	1.41	26,696
2031	18.8	23.9	72.7	0.10	19.7	5.12	1.26	26,248
2032	18.6	23.4	70.0	0.10	19.7	5.09	1.13	25,821
Average Daily	—	—	—	—	—	—	—	—
2026	3.54	27.1	32.7	0.06	8.10	4.40	0.60	6,911
2027	3.69	20.3	45.8	0.06	8.94	3.13	10.3	12,639
2028	9.41	18.7	65.5	0.07	13.1	3.48	19.5	19,549
2029	14.3	18.2	66.3	0.07	14.0	3.68	18.6	20,150
2030	13.7	17.7	63.2	0.07	14.0	3.65	16.7	19,804
2031	13.6	16.9	60.1	0.07	14.0	3.64	15.0	19,470
2032	12.3	14.9	53.2	0.06	12.9	3.33	12.3	17,630
Annual	—	—	—	—	—	—	—	—
2026	0.65	4.95	5.96	0.01	1.48	0.80	0.10	1,144
2027	0.67	3.70	8.36	0.01	1.63	0.57	1.71	2,092
2028	1.72	3.41	11.9	0.01	2.39	0.64	3.22	3,237
2029	2.61	3.32	12.1	0.01	2.56	0.67	3.08	3,336
2030	2.51	3.24	11.5	0.01	2.56	0.67	2.77	3,279
2031	2.47	3.09	11.0	0.01	2.55	0.66	2.49	3,224
2032	2.25	2.72	9.71	0.01	2.35	0.61	2.04	2,919

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Unmit.	99.6	53.1	600	1.41	127	33.3	234	172,318
Mit.	96.3	52.4	600	1.41	127	33.2	234	167,860
% Reduced	3%	1%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	3%
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Unmit.	81.9	56.0	330	1.26	127	33.2	15.9	156,427
Mit.	78.6	55.3	330	1.25	126	33.2	15.9	151,969
% Reduced	4%	1%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	3%
Average Daily (Max)	—	—	—	—	—	—	—	—
Unmit.	83.5	47.8	378	1.13	108	28.3	92.7	142,728
Mit.	80.2	47.1	378	1.13	108	28.2	92.7	138,270
% Reduced	4%	1%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	3%
Annual (Max)	—	—	—	—	—	—	—	—
Unmit.	15.2	8.73	69.1	0.21	19.6	5.16	15.4	23,630
Mit.	14.6	8.60	69.0	0.21	19.6	5.15	15.4	22,892
% Reduced	4%	1%	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	3%
Exceeds (Daily Max)	—	—	—	—	—	—	—	—
Threshold	55.0	55.0	550	150	150	55.0	—	—
Unmit.	Yes	Yes	Yes	No	No	No	—	—
Mit.	Yes	Yes	Yes	No	No	No	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—
Threshold	55.0	55.0	550	150	150	55.0	—	—
Unmit.	Yes	No	No	No	No	No	—	—
Mit.	Yes	No	No	No	No	No	—	—

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Mobile	38.8	44.0	489	1.36	126	32.5	224	140,599
Area	60.4	0.97	108	0.01	0.19	0.17	—	1,340
Energy	0.47	8.10	3.52	0.05	0.65	0.65	—	24,024
Water	—	—	—	—	—	—	—	3,074
Waste	—	—	—	—	—	—	—	3,271
Refrig.	—	—	—	—	—	—	10.1	10.1
Total	99.6	53.1	600	1.41	127	33.3	234	172,318
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Mobile	32.6	47.9	326	1.20	126	32.5	5.81	125,039
Area	48.8	0.01	0.76	< 0.005	0.10	0.10	—	1,009
Energy	0.47	8.10	3.52	0.05	0.65	0.65	—	24,024
Water	—	—	—	—	—	—	—	3,074
Waste	—	—	—	—	—	—	—	3,271
Refrig.	—	—	—	—	—	—	10.1	10.1
Total	81.9	56.0	330	1.26	127	33.2	15.9	156,427
Average Daily	—	—	—	—	—	—	—	—
Mobile	29.1	39.2	322	1.08	107	27.6	82.7	112,117
Area	53.9	0.48	52.9	< 0.005	0.05	0.04	—	232
Energy	0.47	8.10	3.52	0.05	0.65	0.65	—	24,024
Water	—	—	—	—	—	—	—	3,074
Waste	—	—	—	—	—	—	—	3,271
Refrig.	—	—	—	—	—	—	10.1	10.1
Total	83.5	47.8	378	1.13	108	28.3	92.7	142,728

Annual	—	—	—	—	—	—	—	—
Mobile	5.32	7.16	58.8	0.20	19.5	5.04	13.7	18,562
Area	9.83	0.09	9.65	< 0.005	0.01	0.01	—	38.4
Energy	0.09	1.48	0.64	0.01	0.12	0.12	—	3,977
Water	—	—	—	—	—	—	—	509
Waste	—	—	—	—	—	—	—	541
Refrig.	—	—	—	—	—	—	1.67	1.67
Total	15.2	8.73	69.1	0.21	19.6	5.16	15.4	23,630

2.6. Operations Emissions by Sector, Mitigated

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

Sector	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Mobile	38.8	44.0	489	1.36	126	32.5	224	140,599
Area	57.1	0.97	108	0.01	0.19	0.17	—	1,340
Energy	0.43	7.40	3.21	0.05	0.60	0.60	—	19,582
Water	—	—	—	—	—	—	—	3,058
Waste	—	—	—	—	—	—	—	3,271
Refrig.	—	—	—	—	—	—	10.1	10.1
Total	96.3	52.4	600	1.41	127	33.2	234	167,860
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Mobile	32.6	47.9	326	1.20	126	32.5	5.81	125,039
Area	45.5	0.01	0.76	< 0.005	0.10	0.10	—	1,009
Energy	0.43	7.40	3.21	0.05	0.60	0.60	—	19,582
Water	—	—	—	—	—	—	—	3,058
Waste	—	—	—	—	—	—	—	3,271
Refrig.	—	—	—	—	—	—	10.1	10.1

Total	78.6	55.3	330	1.25	126	33.2	15.9	151,969
Average Daily	—	—	—	—	—	—	—	—
Mobile	29.1	39.2	322	1.08	107	27.6	82.7	112,117
Area	50.6	0.48	52.9	< 0.005	0.05	0.04	—	232
Energy	0.43	7.40	3.21	0.05	0.60	0.60	—	19,582
Water	—	—	—	—	—	—	—	3,058
Waste	—	—	—	—	—	—	—	3,271
Refrig.	—	—	—	—	—	—	10.1	10.1
Total	80.2	47.1	378	1.13	108	28.2	92.7	138,270
Annual	—	—	—	—	—	—	—	—
Mobile	5.32	7.16	58.8	0.20	19.5	5.04	13.7	18,562
Area	9.24	0.09	9.65	< 0.005	0.01	0.01	—	38.4
Energy	0.08	1.35	0.59	0.01	0.11	0.11	—	3,242
Water	—	—	—	—	—	—	—	506
Waste	—	—	—	—	—	—	—	541
Refrig.	—	—	—	—	—	—	1.67	1.67
Total	14.6	8.60	69.0	0.21	19.6	5.15	15.4	22,892

3. Construction Emissions Details

3.1. Demolition (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.29	20.7	19.0	0.03	0.84	0.78	—	3,438

Demolition	—	—	—	—	1.18	0.18	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	1.70	1.56	< 0.005	0.07	0.06	—	283
Demolition	—	—	—	—	0.10	0.01	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.31	0.29	< 0.005	0.01	0.01	—	46.8
Demolition	—	—	—	—	0.02	< 0.005	—	—
Onsite truck	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	0.08	0.75	0.00	0.20	0.05	0.02	188
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	1.68	0.37	0.01	0.41	0.13	0.08	1,474
Average Daily	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.08	0.00	0.02	< 0.005	0.02	16.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.14	0.03	< 0.005	0.03	0.01	0.10	121
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	< 0.005	< 0.005	< 0.005	2.73
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	0.01	< 0.005	0.01	< 0.005	0.02	20.1

3.2. Demolition (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.29	17.6	19.0	0.03	0.84	0.78	—	3,438
Demolition	—	—	—	—	1.18	0.18	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	1.44	1.56	< 0.005	0.07	0.06	—	283
Demolition	—	—	—	—	0.10	0.01	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.26	0.29	< 0.005	0.01	0.01	—	46.8
Demolition	—	—	—	—	0.02	< 0.005	—	—
Onsite truck	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	0.08	0.75	0.00	0.20	0.05	0.02	188
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	1.68	0.37	0.01	0.41	0.13	0.08	1,474
Average Daily	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.08	0.00	0.02	< 0.005	0.02	16.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	< 0.005	0.14	0.03	< 0.005	0.03	0.01	0.10	121
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	< 0.005	< 0.005	< 0.005	2.73
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	0.01	< 0.005	0.01	< 0.005	0.02	20.1

3.3. Site Preparation (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.14	29.2	28.8	0.05	1.24	1.14	—	5,316
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.14	29.2	28.8	0.05	1.24	1.14	—	5,316
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.99	18.4	18.2	0.03	0.79	0.72	—	3,360
Dust From Material Movement	—	—	—	—	4.85	2.49	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—

Off-Road Equipment	0.36	3.36	3.32	0.01	0.14	0.13	—	556
Dust From Material Movement	—	—	—	—	0.88	0.45	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.08	0.08	1.55	0.00	0.23	0.05	0.81	258
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.07	0.09	0.88	0.00	0.23	0.05	0.02	219
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.69	0.00	0.14	0.03	0.22	148
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.13	0.00	0.03	0.01	0.04	24.5
Vendor	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

3.4. Site Preparation (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.14	24.8	28.8	0.05	1.24	1.14	—	5,316
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.14	24.8	28.8	0.05	1.24	1.14	—	5,316
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.99	15.7	18.2	0.03	0.79	0.72	—	3,360
Dust From Material Movement	—	—	—	—	4.85	2.49	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	2.86	3.32	0.01	0.14	0.13	—	556
Dust From Material Movement	—	—	—	—	0.88	0.45	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.08	0.08	1.55	0.00	0.23	0.05	0.81	258
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—

Worker	0.07	0.09	0.88	0.00	0.23	0.05	0.02	219
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.69	0.00	0.14	0.03	0.22	148
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.13	0.00	0.03	0.01	0.04	24.5
Vendor	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

3.5. Site Preparation (2027) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.05	28.0	28.3	0.05	1.17	1.08	—	5,316
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	3.28	3.32	0.01	0.14	0.13	—	624
Dust From Material Movement	—	—	—	—	0.90	0.46	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.60	0.61	< 0.005	0.03	0.02	—	103
Dust From Material Movement	—	—	—	—	0.16	0.08	—	—
Onsite truck	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	0.08	0.82	0.00	0.23	0.05	0.02	215
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.12	0.00	0.03	0.01	0.04	27.0
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	< 0.005	< 0.005	0.01	4.47
Vendor	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

3.6. Site Preparation (2027) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—

Off-Road Equipment	3.05	23.8	28.3	0.05	1.17	1.08	—	5,316
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	2.79	3.32	0.01	0.14	0.13	—	624
Dust From Material Movement	—	—	—	—	0.90	0.46	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.51	0.61	< 0.005	0.03	0.02	—	103
Dust From Material Movement	—	—	—	—	0.16	0.08	—	—
Onsite truck	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	0.08	0.82	0.00	0.23	0.05	0.02	215
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.12	0.00	0.03	0.01	0.04	27.0
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	< 0.005	< 0.005	0.01	4.47
Vendor	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

3.7. Grading (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.04	27.2	27.6	0.06	1.12	1.03	—	6,621
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.04	27.2	27.6	0.06	1.12	1.03	—	6,621
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.27	11.4	11.5	0.03	0.47	0.43	—	2,773
Dust From Material Movement	—	—	—	—	1.50	0.60	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	2.08	2.11	< 0.005	0.09	0.08	—	459
Dust From Material Movement	—	—	—	—	0.27	0.11	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.09	0.10	1.77	0.00	0.26	0.06	0.93	295
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.25	0.06	< 0.005	0.06	0.02	0.46	232
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.07	0.10	1.00	0.00	0.26	0.06	0.02	251
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.26	0.06	< 0.005	0.06	0.02	0.01	232
Average Daily	—	—	—	—	—	—	—	—
Worker	0.03	0.04	0.53	0.00	0.11	0.03	0.17	112
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.11	0.02	< 0.005	0.03	0.01	0.08	97.0
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.02	< 0.005	0.03	18.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	0.01	16.1

3.8. Grading (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.04	23.1	27.6	0.06	1.12	1.03	—	6,621
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.04	23.1	27.6	0.06	1.12	1.03	—	6,621
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.27	9.69	11.5	0.03	0.47	0.43	—	2,773
Dust From Material Movement	—	—	—	—	1.50	0.60	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	1.77	2.11	< 0.005	0.09	0.08	—	459
Dust From Material Movement	—	—	—	—	0.27	0.11	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.09	0.10	1.77	0.00	0.26	0.06	0.93	295
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.25	0.06	< 0.005	0.06	0.02	0.46	232
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.07	0.10	1.00	0.00	0.26	0.06	0.02	251
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.26	0.06	< 0.005	0.06	0.02	0.01	232
Average Daily	—	—	—	—	—	—	—	—
Worker	0.03	0.04	0.53	0.00	0.11	0.03	0.17	112

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.11	0.02	< 0.005	0.03	0.01	0.08	97.0
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.02	< 0.005	0.03	18.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	0.01	16.1

3.9. Grading (2027) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.95	25.6	27.3	0.06	1.04	0.96	—	6,621
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.95	25.6	27.3	0.06	1.04	0.96	—	6,621
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.04	9.06	9.66	0.02	0.37	0.34	—	2,345
Dust From Material Movement	—	—	—	—	1.27	0.50	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—

Off-Road Equipment	0.19	1.65	1.76	< 0.005	0.07	0.06	—	388
Dust From Material Movement	—	—	—	—	0.23	0.09	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.09	0.09	1.65	0.00	0.26	0.06	0.84	289
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.24	0.06	< 0.005	0.06	0.02	0.43	226
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.07	0.09	0.94	0.00	0.26	0.06	0.02	246
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.26	0.06	< 0.005	0.06	0.02	0.01	226
Average Daily	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.42	0.00	0.09	0.02	0.13	93.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.09	0.02	< 0.005	0.02	0.01	0.07	80.0
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.08	0.00	0.02	< 0.005	0.02	15.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	0.01	13.3

3.10. Grading (2027) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.95	21.7	27.3	0.06	1.04	0.96	—	6,621
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.95	21.7	27.3	0.06	1.04	0.96	—	6,621
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.04	7.70	9.66	0.02	0.37	0.34	—	2,345
Dust From Material Movement	—	—	—	—	1.27	0.50	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	1.41	1.76	< 0.005	0.07	0.06	—	388
Dust From Material Movement	—	—	—	—	0.23	0.09	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.09	0.09	1.65	0.00	0.26	0.06	0.84	289
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.24	0.06	< 0.005	0.06	0.02	0.43	226
Daily, Winter (Max)	—	—	—	—	—	—	—	—

Worker	0.07	0.09	0.94	0.00	0.26	0.06	0.02	246
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.26	0.06	< 0.005	0.06	0.02	0.01	226
Average Daily	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.42	0.00	0.09	0.02	0.13	93.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.09	0.02	< 0.005	0.02	0.01	0.07	80.0
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.08	0.00	0.02	< 0.005	0.02	15.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	0.01	13.3

3.11. Building Construction (2027) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.03	9.39	12.9	0.02	0.34	0.31	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.03	9.39	12.9	0.02	0.34	0.31	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.37	3.38	4.66	0.01	0.12	0.11	—	866
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.62	0.85	< 0.005	0.02	0.02	—	143
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	4.58	4.62	87.8	0.00	13.9	3.26	44.7	15,381
Vendor	0.30	7.90	3.45	0.06	2.33	0.73	19.5	8,195
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	3.81	5.05	49.8	0.00	13.9	3.26	1.16	13,087
Vendor	0.27	8.48	3.52	0.06	2.33	0.73	0.51	8,184
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	1.45	1.65	22.5	0.00	4.99	1.17	6.96	5,038
Vendor	0.10	2.98	1.24	0.02	0.84	0.26	3.03	2,948
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.26	0.30	4.10	0.00	0.91	0.21	1.15	834
Vendor	0.02	0.54	0.23	< 0.005	0.15	0.05	0.50	488
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Construction (2027) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Off-Road Equipment	1.03	7.98	12.9	0.02	0.34	0.31	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.03	7.98	12.9	0.02	0.34	0.31	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.37	2.87	4.66	0.01	0.12	0.11	—	866
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.52	0.85	< 0.005	0.02	0.02	—	143
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	4.58	4.62	87.8	0.00	13.9	3.26	44.7	15,381
Vendor	0.30	7.90	3.45	0.06	2.33	0.73	19.5	8,195
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	3.81	5.05	49.8	0.00	13.9	3.26	1.16	13,087
Vendor	0.27	8.48	3.52	0.06	2.33	0.73	0.51	8,184
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	1.45	1.65	22.5	0.00	4.99	1.17	6.96	5,038
Vendor	0.10	2.98	1.24	0.02	0.84	0.26	3.03	2,948
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—

Worker	0.26	0.30	4.10	0.00	0.91	0.21	1.15	834
Vendor	0.02	0.54	0.23	< 0.005	0.15	0.05	0.50	488
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Building Construction (2028) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.99	8.92	12.9	0.02	0.30	0.28	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.99	8.92	12.9	0.02	0.30	0.28	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.71	6.39	9.26	0.02	0.22	0.20	—	1,723
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.17	1.69	< 0.005	0.04	0.04	—	285
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	4.39	4.13	82.1	0.00	13.9	3.26	40.3	15,089
Vendor	0.24	7.57	3.26	0.06	2.33	0.73	18.0	8,004

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	3.66	4.59	46.2	0.00	13.9	3.26	1.04	12,847
Vendor	0.21	8.16	3.38	0.06	2.33	0.73	0.47	7,997
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	2.76	2.94	41.6	0.00	9.92	2.32	12.5	9,835
Vendor	0.16	5.68	2.36	0.04	1.66	0.52	5.57	5,729
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.50	0.54	7.59	0.00	1.81	0.42	2.06	1,628
Vendor	0.03	1.04	0.43	0.01	0.30	0.09	0.92	949
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Building Construction (2028) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.99	7.59	12.9	0.02	0.30	0.28	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.99	7.59	12.9	0.02	0.30	0.28	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—

Off-Road Equipment	0.71	5.43	9.26	0.02	0.22	0.20	—	1,723
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.99	1.69	< 0.005	0.04	0.04	—	285
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	4.39	4.13	82.1	0.00	13.9	3.26	40.3	15,089
Vendor	0.24	7.57	3.26	0.06	2.33	0.73	18.0	8,004
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	3.66	4.59	46.2	0.00	13.9	3.26	1.04	12,847
Vendor	0.21	8.16	3.38	0.06	2.33	0.73	0.47	7,997
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	2.76	2.94	41.6	0.00	9.92	2.32	12.5	9,835
Vendor	0.16	5.68	2.36	0.04	1.66	0.52	5.57	5,729
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.50	0.54	7.59	0.00	1.81	0.42	2.06	1,628
Vendor	0.03	1.04	0.43	0.01	0.30	0.09	0.92	949
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Building Construction (2029) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e

Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.97	8.58	12.9	0.02	0.28	0.25	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.97	8.58	12.9	0.02	0.28	0.25	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	6.13	9.22	0.02	0.20	0.18	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.12	1.68	< 0.005	0.04	0.03	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	4.16	3.68	76.4	0.00	13.9	3.26	36.1	14,817
Vendor	0.24	7.29	3.12	0.06	2.33	0.73	16.6	7,785
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	3.04	4.11	43.5	0.00	13.9	3.26	0.94	12,624
Vendor	0.21	7.83	3.25	0.06	2.33	0.73	0.43	7,779
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	2.63	2.59	38.6	0.00	9.89	2.32	11.1	9,635
Vendor	0.16	5.43	2.27	0.04	1.66	0.52	5.10	5,557

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.48	0.47	7.05	0.00	1.81	0.42	1.84	1,595
Vendor	0.03	0.99	0.41	0.01	0.30	0.09	0.84	920
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Building Construction (2029) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.97	7.29	12.9	0.02	0.28	0.25	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.97	7.29	12.9	0.02	0.28	0.25	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	5.21	9.22	0.02	0.20	0.18	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.95	1.68	< 0.005	0.04	0.03	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Worker	4.16	3.68	76.4	0.00	13.9	3.26	36.1	14,817
Vendor	0.24	7.29	3.12	0.06	2.33	0.73	16.6	7,785
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	3.04	4.11	43.5	0.00	13.9	3.26	0.94	12,624
Vendor	0.21	7.83	3.25	0.06	2.33	0.73	0.43	7,779
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	2.63	2.59	38.6	0.00	9.89	2.32	11.1	9,635
Vendor	0.16	5.43	2.27	0.04	1.66	0.52	5.10	5,557
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.48	0.47	7.05	0.00	1.81	0.42	1.84	1,595
Vendor	0.03	0.99	0.41	0.01	0.30	0.09	0.84	920
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Building Construction (2030) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	8.39	12.9	0.02	0.26	0.24	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	8.39	12.9	0.02	0.26	0.24	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	5.99	9.20	0.02	0.19	0.17	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	1.09	1.68	< 0.005	0.03	0.03	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	3.51	3.22	71.7	0.00	13.9	3.26	32.3	14,564
Vendor	0.24	7.03	3.05	0.06	2.33	0.73	15.1	7,573
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	2.95	3.65	40.4	0.00	13.9	3.26	0.84	12,416
Vendor	0.21	7.56	3.11	0.06	2.33	0.73	0.39	7,567
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	2.19	2.58	36.2	0.00	9.89	2.32	9.94	9,474
Vendor	0.16	5.24	2.17	0.04	1.66	0.52	4.67	5,406
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.40	0.47	6.60	0.00	1.81	0.42	1.65	1,569
Vendor	0.03	0.96	0.40	0.01	0.30	0.09	0.77	895
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.18. Building Construction (2030) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	7.13	12.9	0.02	0.26	0.24	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	7.13	12.9	0.02	0.26	0.24	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	5.10	9.20	0.02	0.19	0.17	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.93	1.68	< 0.005	0.03	0.03	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	3.51	3.22	71.7	0.00	13.9	3.26	32.3	14,564
Vendor	0.24	7.03	3.05	0.06	2.33	0.73	15.1	7,573
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	2.95	3.65	40.4	0.00	13.9	3.26	0.84	12,416
Vendor	0.21	7.56	3.11	0.06	2.33	0.73	0.39	7,567
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	2.19	2.58	36.2	0.00	9.89	2.32	9.94	9,474

Vendor	0.16	5.24	2.17	0.04	1.66	0.52	4.67	5,406
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.40	0.47	6.60	0.00	1.81	0.42	1.65	1,569
Vendor	0.03	0.96	0.40	0.01	0.30	0.09	0.77	895
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.19. Building Construction (2031) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	8.12	12.8	0.02	0.24	0.22	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	8.12	12.8	0.02	0.24	0.22	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.66	5.80	9.18	0.02	0.17	0.16	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	1.06	1.67	< 0.005	0.03	0.03	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	3.32	3.17	66.9	0.00	13.9	3.26	28.8	14,331
Vendor	0.24	6.76	2.92	0.06	2.33	0.73	13.7	7,357
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	2.78	3.19	37.8	0.00	13.9	3.26	0.75	12,224
Vendor	0.21	7.29	3.04	0.06	2.33	0.73	0.36	7,352
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	2.07	2.25	33.7	0.00	9.89	2.32	8.88	9,326
Vendor	0.16	5.09	2.12	0.04	1.66	0.52	4.24	5,252
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.38	0.41	6.16	0.00	1.81	0.42	1.47	1,544
Vendor	0.03	0.93	0.39	0.01	0.30	0.09	0.70	869
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.20. Building Construction (2031) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	6.90	12.8	0.02	0.24	0.22	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—

Off-Road Equipment	0.92	6.90	12.8	0.02	0.24	0.22	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.66	4.93	9.18	0.02	0.17	0.16	—	1,718
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.90	1.67	< 0.005	0.03	0.03	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	3.32	3.17	66.9	0.00	13.9	3.26	28.8	14,331
Vendor	0.24	6.76	2.92	0.06	2.33	0.73	13.7	7,357
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	2.78	3.19	37.8	0.00	13.9	3.26	0.75	12,224
Vendor	0.21	7.29	3.04	0.06	2.33	0.73	0.36	7,352
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	2.07	2.25	33.7	0.00	9.89	2.32	8.88	9,326
Vendor	0.16	5.09	2.12	0.04	1.66	0.52	4.24	5,252
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.38	0.41	6.16	0.00	1.81	0.42	1.47	1,544
Vendor	0.03	0.93	0.39	0.01	0.30	0.09	0.70	869
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.21. Building Construction (2032) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	7.87	12.8	0.02	0.22	0.21	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	7.87	12.8	0.02	0.22	0.21	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	5.18	8.41	0.02	0.15	0.14	—	1,581
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.94	1.53	< 0.005	0.03	0.02	—	262
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	3.16	2.71	63.1	0.00	13.9	3.26	25.5	14,000
Vendor	0.23	6.61	2.85	0.06	2.33	0.73	12.4	7,130
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	2.64	3.15	35.6	0.00	13.9	3.26	0.66	12,058
Vendor	0.20	7.09	2.97	0.06	2.33	0.73	0.32	7,126

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	1.81	1.77	29.4	0.00	9.11	2.13	7.23	8,466
Vendor	0.14	4.55	1.91	0.04	1.53	0.48	3.52	4,686
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.33	0.32	5.37	0.00	1.66	0.39	1.20	1,402
Vendor	0.03	0.83	0.35	0.01	0.28	0.09	0.58	776
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.22. Building Construction (2032) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	6.69	12.8	0.02	0.22	0.21	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	6.69	12.8	0.02	0.22	0.21	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	4.40	8.41	0.02	0.15	0.14	—	1,581
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.80	1.53	< 0.005	0.03	0.02	—	262

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	3.16	2.71	63.1	0.00	13.9	3.26	25.5	14,000
Vendor	0.23	6.61	2.85	0.06	2.33	0.73	12.4	7,130
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	2.64	3.15	35.6	0.00	13.9	3.26	0.66	12,058
Vendor	0.20	7.09	2.97	0.06	2.33	0.73	0.32	7,126
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	1.81	1.77	29.4	0.00	9.11	2.13	7.23	8,466
Vendor	0.14	4.55	1.91	0.04	1.53	0.48	3.52	4,686
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.33	0.32	5.37	0.00	1.66	0.39	1.20	1,402
Vendor	0.03	0.83	0.35	0.01	0.28	0.09	0.58	776
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.23. Paving (2027) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	6.94	9.95	0.01	0.30	0.27	—	1,516
Paving	0.12	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	6.94	9.95	0.01	0.30	0.27	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	2.50	3.58	0.01	0.11	0.10	—	546
Paving	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.46	0.65	< 0.005	0.02	0.02	—	90.4
Paving	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.06	0.06	1.24	0.00	0.20	0.05	0.63	217
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.05	0.07	0.70	0.00	0.20	0.05	0.02	184
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.32	0.00	0.07	0.02	0.10	70.9
Vendor	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

Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.06	0.00	0.01	< 0.005	0.02	11.7
Vendor	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

3.24. Paving (2027) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	5.90	9.95	0.01	0.30	0.27	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	5.90	9.95	0.01	0.30	0.27	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	2.13	3.58	0.01	0.11	0.10	—	546
Paving	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.39	0.65	< 0.005	0.02	0.02	—	90.4
Paving	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.06	0.06	1.24	0.00	0.20	0.05	0.63	217
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.05	0.07	0.70	0.00	0.20	0.05	0.02	184
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.32	0.00	0.07	0.02	0.10	70.9
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.06	0.00	0.01	< 0.005	0.02	11.7
Vendor	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

3.25. Paving (2028) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	6.63	9.91	0.01	0.26	0.24	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	6.63	9.91	0.01	0.26	0.24	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	4.75	7.10	0.01	0.18	0.17	—	1,086
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.87	1.30	< 0.005	0.03	0.03	—	180
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.06	0.06	1.16	0.00	0.20	0.05	0.57	212
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.65	0.00	0.20	0.05	0.01	181
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.59	0.00	0.14	0.03	0.18	138
Vendor	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
Annual	—	—	—	—	—	—	—	—

Worker	0.01	0.01	0.11	0.00	0.03	0.01	0.03	22.9
Vendor	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

3.26. Paving (2028) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	5.63	9.91	0.01	0.26	0.24	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	5.63	9.91	0.01	0.26	0.24	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	4.03	7.10	0.01	0.18	0.17	—	1,086
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.74	1.30	< 0.005	0.03	0.03	—	180
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.06	0.06	1.16	0.00	0.20	0.05	0.57	212
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.65	0.00	0.20	0.05	0.01	181
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.59	0.00	0.14	0.03	0.18	138
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.11	0.00	0.03	0.01	0.03	22.9
Vendor	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

3.27. Paving (2029) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	6.46	9.92	0.01	0.24	0.22	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—

Off-Road Equipment	0.67	6.46	9.92	0.01	0.24	0.22	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.48	4.61	7.08	0.01	0.17	0.16	—	1,083
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.84	1.29	< 0.005	0.03	0.03	—	179
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.06	0.05	1.08	0.00	0.20	0.05	0.51	209
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.06	0.61	0.00	0.20	0.05	0.01	178
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.54	0.00	0.14	0.03	0.16	136
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.03	0.01	0.03	22.5

Vendor	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

3.28. Paving (2029) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	5.49	9.92	0.01	0.24	0.22	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	5.49	9.92	0.01	0.24	0.22	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.48	3.92	7.08	0.01	0.17	0.16	—	1,083
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.72	1.29	< 0.005	0.03	0.03	—	179
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.06	0.05	1.08	0.00	0.20	0.05	0.51	209
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.06	0.61	0.00	0.20	0.05	0.01	178
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.54	0.00	0.14	0.03	0.16	136
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.03	0.01	0.03	22.5
Vendor	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

3.29. Paving (2030) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	6.28	9.90	0.01	0.22	0.20	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—

Off-Road Equipment	0.64	6.28	9.90	0.01	0.22	0.20	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	4.49	7.07	0.01	0.16	0.14	—	1,083
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.82	1.29	< 0.005	0.03	0.03	—	179
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.05	0.05	1.01	0.00	0.20	0.05	0.45	205
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.57	0.00	0.20	0.05	0.01	175
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.03	0.04	0.51	0.00	0.14	0.03	0.14	133
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.03	0.01	0.02	22.1

Vendor	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

3.30. Paving (2030) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	5.34	9.90	0.01	0.22	0.20	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	5.34	9.90	0.01	0.22	0.20	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	3.81	7.07	0.01	0.16	0.14	—	1,083
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.70	1.29	< 0.005	0.03	0.03	—	179
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.05	0.05	1.01	0.00	0.20	0.05	0.45	205
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.05	0.57	0.00	0.20	0.05	0.01	175
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.03	0.04	0.51	0.00	0.14	0.03	0.14	133
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.03	0.01	0.02	22.1
Vendor	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

3.31. Paving (2031) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	6.13	9.88	0.01	0.21	0.19	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—

Off-Road Equipment	0.63	6.13	9.88	0.01	0.21	0.19	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	4.38	7.06	0.01	0.15	0.14	—	1,083
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.80	1.29	< 0.005	0.03	0.03	—	179
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.94	0.00	0.20	0.05	0.41	202
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.53	0.00	0.20	0.05	0.01	172
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.47	0.00	0.14	0.03	0.12	131
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.03	0.01	0.02	21.7

Vendor	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

3.32. Paving (2031) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	5.21	9.88	0.01	0.21	0.19	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	5.21	9.88	0.01	0.21	0.19	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	3.72	7.06	0.01	0.15	0.14	—	1,083
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.68	1.29	< 0.005	0.03	0.03	—	179
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.94	0.00	0.20	0.05	0.41	202
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.53	0.00	0.20	0.05	0.01	172
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.47	0.00	0.14	0.03	0.12	131
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.03	0.01	0.02	21.7
Vendor	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

3.33. Paving (2032) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	6.00	9.86	0.01	0.20	0.18	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—

Off-Road Equipment	0.61	6.00	9.86	0.01	0.20	0.18	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	3.94	6.48	0.01	0.13	0.12	—	997
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.72	1.18	< 0.005	0.02	0.02	—	165
Paving	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.89	0.00	0.20	0.05	0.36	197
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.50	0.00	0.20	0.05	0.01	170
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.41	0.00	0.13	0.03	0.10	119
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.08	0.00	0.02	0.01	0.02	19.7

Vendor	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

3.34. Paving (2032) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	5.10	9.86	0.01	0.20	0.18	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	5.10	9.86	0.01	0.20	0.18	—	1,516
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	3.35	6.48	0.01	0.13	0.12	—	997
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.61	1.18	< 0.005	0.02	0.02	—	165
Paving	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.89	0.00	0.20	0.05	0.36	197
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.50	0.00	0.20	0.05	0.01	170
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.41	0.00	0.13	0.03	0.10	119
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.08	0.00	0.02	0.01	0.02	19.7
Vendor	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

3.35. Architectural Coating (2028) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.81	1.12	< 0.005	0.02	0.01	—	134
Architectural Coatings	13.5	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.81	1.12	< 0.005	0.02	0.01	—	134
Architectural Coatings	13.5	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.29	0.40	< 0.005	0.01	0.01	—	48.2
Architectural Coatings	4.85	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.05	0.07	< 0.005	< 0.005	< 0.005	—	7.99
Architectural Coatings	0.89	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.88	0.83	16.4	0.00	2.79	0.65	8.05	3,018
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.73	0.92	9.24	0.00	2.79	0.65	0.21	2,569
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.28	0.30	4.18	0.00	1.00	0.23	1.25	989
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.76	0.00	0.18	0.04	0.21	164
Vendor	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

3.36. Architectural Coating (2028) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.69	1.12	< 0.005	0.02	0.01	—	134
Architectural Coatings	13.5	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.69	1.12	< 0.005	0.02	0.01	—	134
Architectural Coatings	13.5	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.25	0.40	< 0.005	0.01	0.01	—	48.2
Architectural Coatings	4.85	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.05	0.07	< 0.005	< 0.005	< 0.005	—	7.99
Architectural Coatings	0.89	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.88	0.83	16.4	0.00	2.79	0.65	8.05	3,018
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.73	0.92	9.24	0.00	2.79	0.65	0.21	2,569
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.28	0.30	4.18	0.00	1.00	0.23	1.25	989
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.76	0.00	0.18	0.04	0.21	164
Vendor	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

3.37. Architectural Coating (2029) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.79	1.11	< 0.005	0.01	0.01	—	134
Architectural Coatings	13.5	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.79	1.11	< 0.005	0.01	0.01	—	134
Architectural Coatings	13.5	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.57	0.79	< 0.005	0.01	0.01	—	95.7
Architectural Coatings	9.63	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.10	0.14	< 0.005	< 0.005	< 0.005	—	15.8
Architectural Coatings	1.76	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.83	0.74	15.3	0.00	2.79	0.65	7.22	2,963
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—

Worker	0.61	0.82	8.70	0.00	2.79	0.65	0.19	2,525
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.53	0.52	7.73	0.00	1.98	0.46	2.23	1,927
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.10	0.09	1.41	0.00	0.36	0.08	0.37	319
Vendor	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

3.38. Architectural Coating (2029) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.68	1.11	< 0.005	0.01	0.01	—	134
Architectural Coatings	13.5	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.68	1.11	< 0.005	0.01	0.01	—	134
Architectural Coatings	13.5	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—

Off-Road Equipment	0.07	0.48	0.79	< 0.005	0.01	0.01	—	95.7
Architectural Coatings	9.63	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.09	0.14	< 0.005	< 0.005	< 0.005	—	15.8
Architectural Coatings	1.76	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.83	0.74	15.3	0.00	2.79	0.65	7.22	2,963
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.61	0.82	8.70	0.00	2.79	0.65	0.19	2,525
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.53	0.52	7.73	0.00	1.98	0.46	2.23	1,927
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.10	0.09	1.41	0.00	0.36	0.08	0.37	319
Vendor	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

3.39. Architectural Coating (2030) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.78	1.11	< 0.005	0.01	0.01	—	134
Architectural Coatings	13.5	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.78	1.11	< 0.005	0.01	0.01	—	134
Architectural Coatings	13.5	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.56	0.79	< 0.005	0.01	0.01	—	95.7
Architectural Coatings	9.63	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.10	0.14	< 0.005	< 0.005	< 0.005	—	15.8
Architectural Coatings	1.76	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.70	0.64	14.3	0.00	2.79	0.65	6.45	2,913
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.59	0.73	8.08	0.00	2.79	0.65	0.17	2,483
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.44	0.52	7.24	0.00	1.98	0.46	1.99	1,895
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.08	0.09	1.32	0.00	0.36	0.08	0.33	314
Vendor	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

3.40. Architectural Coating (2030) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.67	1.11	< 0.005	0.01	0.01	—	134
Architectural Coatings	13.5	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.67	1.11	< 0.005	0.01	0.01	—	134
Architectural Coatings	13.5	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.48	0.79	< 0.005	0.01	0.01	—	95.7
Architectural Coatings	9.63	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.09	0.14	< 0.005	< 0.005	< 0.005	—	15.8
Architectural Coatings	1.76	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.70	0.64	14.3	0.00	2.79	0.65	6.45	2,913
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.59	0.73	8.08	0.00	2.79	0.65	0.17	2,483
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.44	0.52	7.24	0.00	1.98	0.46	1.99	1,895
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.08	0.09	1.32	0.00	0.36	0.08	0.33	314
Vendor	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

3.41. Architectural Coating (2031) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.78	1.10	< 0.005	0.01	0.01	—	134
Architectural Coatings	13.5	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.78	1.10	< 0.005	0.01	0.01	—	134
Architectural Coatings	13.5	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.55	0.79	< 0.005	0.01	0.01	—	95.7
Architectural Coatings	9.63	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.10	0.14	< 0.005	< 0.005	< 0.005	—	15.8
Architectural Coatings	1.76	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.66	0.63	13.4	0.00	2.79	0.65	5.75	2,866
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.56	0.64	7.56	0.00	2.79	0.65	0.15	2,445
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.41	0.45	6.75	0.00	1.98	0.46	1.78	1,865
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.08	0.08	1.23	0.00	0.36	0.08	0.29	309
Vendor	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

3.42. Architectural Coating (2031) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.66	1.10	< 0.005	0.01	0.01	—	134
Architectural Coatings	13.5	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.66	1.10	< 0.005	0.01	0.01	—	134
Architectural Coatings	13.5	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.47	0.79	< 0.005	0.01	0.01	—	95.7
Architectural Coatings	9.63	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.09	0.14	< 0.005	< 0.005	< 0.005	—	15.8
Architectural Coatings	1.76	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.66	0.63	13.4	0.00	2.79	0.65	5.75	2,866
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—

Worker	0.56	0.64	7.56	0.00	2.79	0.65	0.15	2,445
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.41	0.45	6.75	0.00	1.98	0.46	1.78	1,865
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.08	0.08	1.23	0.00	0.36	0.08	0.29	309
Vendor	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

3.43. Architectural Coating (2032) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.77	1.10	< 0.005	0.01	0.01	—	134
Architectural Coatings	13.5	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.77	1.10	< 0.005	0.01	0.01	—	134
Architectural Coatings	13.5	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—

Off-Road Equipment	0.06	0.51	0.72	< 0.005	0.01	< 0.005	—	88.1
Architectural Coatings	8.87	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.09	0.13	< 0.005	< 0.005	< 0.005	—	14.6
Architectural Coatings	1.62	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.63	0.54	12.6	0.00	2.79	0.65	5.11	2,800
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.53	0.63	7.13	0.00	2.79	0.65	0.13	2,412
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.36	0.35	5.88	0.00	1.82	0.43	1.45	1,693
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.07	0.06	1.07	0.00	0.33	0.08	0.24	280
Vendor	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

3.44. Architectural Coating (2032) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.65	1.10	< 0.005	0.01	0.01	—	134
Architectural Coatings	13.5	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.65	1.10	< 0.005	0.01	0.01	—	134
Architectural Coatings	13.5	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.43	0.72	< 0.005	0.01	< 0.005	—	88.1
Architectural Coatings	8.87	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.08	0.13	< 0.005	< 0.005	< 0.005	—	14.6
Architectural Coatings	1.62	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.63	0.54	12.6	0.00	2.79	0.65	5.11	2,800
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.53	0.63	7.13	0.00	2.79	0.65	0.13	2,412
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.36	0.35	5.88	0.00	1.82	0.43	1.45	1,693
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.07	0.06	1.07	0.00	0.33	0.08	0.24	280
Vendor	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

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Strip Mall	8.62	9.54	105	0.29	26.9	6.94	47.9	30,110

General Office Building	0.33	0.37	4.08	0.01	1.04	0.27	1.86	1,166
Unrefrigerated Warehouse-No Rail	8.62	9.54	105	0.29	26.9	6.94	47.9	30,110
Single Family Housing	14.6	17.0	190	0.53	49.3	12.7	87.7	55,015
Mobile Home Park	6.65	7.56	84.1	0.23	21.6	5.59	38.5	24,198
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	38.8	44.0	489	1.36	126	32.5	224	140,599
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Strip Mall	7.24	10.4	70.4	0.26	26.9	6.94	1.24	26,781
General Office Building	0.28	0.40	2.73	0.01	1.04	0.27	0.05	1,037
Unrefrigerated Warehouse-No Rail	7.24	10.4	70.4	0.26	26.9	6.94	1.24	26,781
Single Family Housing	12.3	18.5	126	0.47	49.3	12.7	2.27	48,920
Mobile Home Park	5.59	8.23	56.0	0.21	21.6	5.59	1.00	21,519
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	32.6	47.9	326	1.20	126	32.5	5.81	125,039
Annual	—	—	—	—	—	—	—	—
Strip Mall	1.11	1.46	11.9	0.04	3.92	1.01	2.75	3,737
General Office Building	0.04	0.05	0.43	< 0.005	0.14	0.04	0.10	136

Unrefrigerated Warehouse-No Rail	0.98	1.29	10.5	0.03	3.46	0.89	2.42	3,291
Single Family Housing	2.32	3.20	26.4	0.09	8.83	2.28	6.19	8,390
Mobile Home Park	0.86	1.16	9.52	0.03	3.16	0.82	2.22	3,008
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	5.32	7.16	58.8	0.20	19.5	5.04	13.7	18,562

4.1.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Strip Mall	8.62	9.54	105	0.29	26.9	6.94	47.9	30,110
General Office Building	0.33	0.37	4.08	0.01	1.04	0.27	1.86	1,166
Unrefrigerated Warehouse-No Rail	8.62	9.54	105	0.29	26.9	6.94	47.9	30,110
Single Family Housing	14.6	17.0	190	0.53	49.3	12.7	87.7	55,015
Mobile Home Park	6.65	7.56	84.1	0.23	21.6	5.59	38.5	24,198
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	38.8	44.0	489	1.36	126	32.5	224	140,599
Daily, Winter (Max)	—	—	—	—	—	—	—	—

Strip Mall	7.24	10.4	70.4	0.26	26.9	6.94	1.24	26,781
General Office Building	0.28	0.40	2.73	0.01	1.04	0.27	0.05	1,037
Unrefrigerated Warehouse-No Rail	7.24	10.4	70.4	0.26	26.9	6.94	1.24	26,781
Single Family Housing	12.3	18.5	126	0.47	49.3	12.7	2.27	48,920
Mobile Home Park	5.59	8.23	56.0	0.21	21.6	5.59	1.00	21,519
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	32.6	47.9	326	1.20	126	32.5	5.81	125,039
Annual	—	—	—	—	—	—	—	—
Strip Mall	1.11	1.46	11.9	0.04	3.92	1.01	2.75	3,737
General Office Building	0.04	0.05	0.43	< 0.005	0.14	0.04	0.10	136
Unrefrigerated Warehouse-No Rail	0.98	1.29	10.5	0.03	3.46	0.89	2.42	3,291
Single Family Housing	2.32	3.20	26.4	0.09	8.83	2.28	6.19	8,390
Mobile Home Park	0.86	1.16	9.52	0.03	3.16	0.82	2.22	3,008
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	5.32	7.16	58.8	0.20	19.5	5.04	13.7	18,562

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	755
General Office Building	—	—	—	—	—	—	—	259
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	4,566
Single Family Housing	—	—	—	—	—	—	—	3,319
Mobile Home Park	—	—	—	—	—	—	—	3,818
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	1,006
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	13,723
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	755
General Office Building	—	—	—	—	—	—	—	259
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	4,566
Single Family Housing	—	—	—	—	—	—	—	3,319
Mobile Home Park	—	—	—	—	—	—	—	3,818
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	1,006

Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	13,723
Annual	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	125
General Office Building	—	—	—	—	—	—	—	42.9
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	756
Single Family Housing	—	—	—	—	—	—	—	550
Mobile Home Park	—	—	—	—	—	—	—	632
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	166
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	2,272

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	551
General Office Building	—	—	—	—	—	—	—	194
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	3,534
Single Family Housing	—	—	—	—	—	—	—	2,177
Mobile Home Park	—	—	—	—	—	—	—	2,920

User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	804
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	10,180
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	551
General Office Building	—	—	—	—	—	—	—	194
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	3,534
Single Family Housing	—	—	—	—	—	—	—	2,177
Mobile Home Park	—	—	—	—	—	—	—	2,920
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	804
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	10,180
Annual	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	91.2
General Office Building	—	—	—	—	—	—	—	32.2
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	585
Single Family Housing	—	—	—	—	—	—	—	360
Mobile Home Park	—	—	—	—	—	—	—	483
User Defined Industrial	—	—	—	—	—	—	—	0.00

Parking Lot	—	—	—	—	—	—	—	133
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	1,685

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Strip Mall	0.01	0.14	0.11	< 0.005	0.01	0.01	—	162
General Office Building	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	—	34.4
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	0.27	4.69	1.99	0.03	0.38	0.38	—	5,966
Mobile Home Park	0.19	3.25	1.38	0.02	0.26	0.26	—	4,139
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.47	8.10	3.52	0.05	0.65	0.65	—	10,301
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Strip Mall	0.01	0.14	0.11	< 0.005	0.01	0.01	—	162
General Office Building	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	—	34.4
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	0.27	4.69	1.99	0.03	0.38	0.38	—	5,966

Mobile Home Park	0.19	3.25	1.38	0.02	0.26	0.26	—	4,139
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.47	8.10	3.52	0.05	0.65	0.65	—	10,301
Annual	—	—	—	—	—	—	—	—
Strip Mall	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	26.8
General Office Building	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	—	5.70
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	0.05	0.86	0.36	0.01	0.07	0.07	—	988
Mobile Home Park	0.03	0.59	0.25	< 0.005	0.05	0.05	—	685
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.09	1.48	0.64	0.01	0.12	0.12	—	1,705

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Strip Mall	0.01	0.13	0.11	< 0.005	0.01	0.01	—	155
General Office Building	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	—	32.7

Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	0.25	4.28	1.82	0.03	0.35	0.35	—	5,453
Mobile Home Park	0.17	2.96	1.26	0.02	0.24	0.24	—	3,761
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.43	7.40	3.21	0.05	0.60	0.60	—	9,402
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Strip Mall	0.01	0.13	0.11	< 0.005	0.01	0.01	—	155
General Office Building	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	—	32.7
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	0.25	4.28	1.82	0.03	0.35	0.35	—	5,453
Mobile Home Park	0.17	2.96	1.26	0.02	0.24	0.24	—	3,761
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.43	7.40	3.21	0.05	0.60	0.60	—	9,402
Annual	—	—	—	—	—	—	—	—
Strip Mall	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	25.6
General Office Building	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.41
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

Single Family Housing	0.05	0.78	0.33	< 0.005	0.06	0.06	—	903
Mobile Home Park	0.03	0.54	0.23	< 0.005	0.04	0.04	—	623
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.08	1.35	0.59	0.01	0.11	0.11	—	1,557

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hearths	0.69	0.01	0.76	< 0.005	0.10	0.10	—	1,009
Consumer Products	43.8	—	—	—	—	—	—	—
Architectural Coatings	4.26	—	—	—	—	—	—	—
Landscape Equipment	11.6	0.96	107	0.01	0.09	0.07	—	331
Total	60.4	0.97	108	0.01	0.19	0.17	—	1,340
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hearths	0.69	0.01	0.76	< 0.005	0.10	0.10	—	1,009
Consumer Products	43.8	—	—	—	—	—	—	—
Architectural Coatings	4.26	—	—	—	—	—	—	—
Total	48.8	0.01	0.76	< 0.005	0.10	0.10	—	1,009
Annual	—	—	—	—	—	—	—	—

Hearths	0.01	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	11.4
Consumer Products	8.00	—	—	—	—	—	—	—
Architectural Coatings	0.78	—	—	—	—	—	—	—
Landscape Equipment	1.04	0.09	9.64	< 0.005	0.01	0.01	—	27.0
Total	9.83	0.09	9.65	< 0.005	0.01	0.01	—	38.4

4.3.2. Mitigated

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

Source	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hearths	0.69	0.01	0.76	< 0.005	0.10	0.10	—	1,009
Consumer Products	40.6	—	—	—	—	—	—	—
Architectural Coatings	4.26	—	—	—	—	—	—	—
Landscape Equipment	11.6	0.96	107	0.01	0.09	0.07	—	331
Total	57.1	0.97	108	0.01	0.19	0.17	—	1,340
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hearths	0.69	0.01	0.76	< 0.005	0.10	0.10	—	1,009
Consumer Products	40.6	—	—	—	—	—	—	—
Architectural Coatings	4.26	—	—	—	—	—	—	—
Total	45.5	0.01	0.76	< 0.005	0.10	0.10	—	1,009
Annual	—	—	—	—	—	—	—	—
Hearths	0.01	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	11.4
Consumer Products	7.41	—	—	—	—	—	—	—
Architectural Coatings	0.78	—	—	—	—	—	—	—

Landscape Equipment	1.04	0.09	9.64	< 0.005	0.01	0.01	—	27.0
Total	9.24	0.09	9.65	< 0.005	0.01	0.01	—	38.4

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	178
General Office Building	—	—	—	—	—	—	—	135
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,697
Single Family Housing	—	—	—	—	—	—	—	646
Mobile Home Park	—	—	—	—	—	—	—	418
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	3,074
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	178
General Office Building	—	—	—	—	—	—	—	135
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,697

Single Family Housing	—	—	—	—	—	—	—	646
Mobile Home Park	—	—	—	—	—	—	—	418
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	3,074
Annual	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	29.5
General Office Building	—	—	—	—	—	—	—	22.3
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	281
Single Family Housing	—	—	—	—	—	—	—	107
Mobile Home Park	—	—	—	—	—	—	—	69.2
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	509

4.4.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	178

General Office Building	—	—	—	—	—	—	—	135
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,697
Single Family Housing	—	—	—	—	—	—	—	646
Mobile Home Park	—	—	—	—	—	—	—	402
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	3,058
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	178
General Office Building	—	—	—	—	—	—	—	135
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,697
Single Family Housing	—	—	—	—	—	—	—	646
Mobile Home Park	—	—	—	—	—	—	—	402
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	3,058
Annual	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	29.5
General Office Building	—	—	—	—	—	—	—	22.3

Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	281
Single Family Housing	—	—	—	—	—	—	—	107
Mobile Home Park	—	—	—	—	—	—	—	66.5
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	506

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	148
General Office Building	—	—	—	—	—	—	—	17.5
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,060
Single Family Housing	—	—	—	—	—	—	—	901
Mobile Home Park	—	—	—	—	—	—	—	1,144
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00

Total	—	—	—	—	—	—	—	3,271
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	148
General Office Building	—	—	—	—	—	—	—	17.5
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,060
Single Family Housing	—	—	—	—	—	—	—	901
Mobile Home Park	—	—	—	—	—	—	—	1,144
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	3,271
Annual	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	24.6
General Office Building	—	—	—	—	—	—	—	2.90
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	175
Single Family Housing	—	—	—	—	—	—	—	149
Mobile Home Park	—	—	—	—	—	—	—	189
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	541

4.5.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	148
General Office Building	—	—	—	—	—	—	—	17.5
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,060
Single Family Housing	—	—	—	—	—	—	—	901
Mobile Home Park	—	—	—	—	—	—	—	1,144
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	3,271
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	148
General Office Building	—	—	—	—	—	—	—	17.5
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,060
Single Family Housing	—	—	—	—	—	—	—	901
Mobile Home Park	—	—	—	—	—	—	—	1,144
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	3,271
Annual	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	24.6
General Office Building	—	—	—	—	—	—	—	2.90
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	175
Single Family Housing	—	—	—	—	—	—	—	149
Mobile Home Park	—	—	—	—	—	—	—	189
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	541

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	0.47	0.47
General Office Building	—	—	—	—	—	—	0.02	0.02
Single Family Housing	—	—	—	—	—	—	7.29	7.29
Mobile Home Park	—	—	—	—	—	—	2.28	2.28

Total	—	—	—	—	—	—	10.1	10.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	0.47	0.47
General Office Building	—	—	—	—	—	—	0.02	0.02
Single Family Housing	—	—	—	—	—	—	7.29	7.29
Mobile Home Park	—	—	—	—	—	—	2.28	2.28
Total	—	—	—	—	—	—	10.1	10.1
Annual	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	0.08	0.08
General Office Building	—	—	—	—	—	—	< 0.005	< 0.005
Single Family Housing	—	—	—	—	—	—	1.21	1.21
Mobile Home Park	—	—	—	—	—	—	0.38	0.38
Total	—	—	—	—	—	—	1.67	1.67

4.6.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	0.47	0.47
General Office Building	—	—	—	—	—	—	0.02	0.02
Single Family Housing	—	—	—	—	—	—	7.29	7.29
Mobile Home Park	—	—	—	—	—	—	2.28	2.28
Total	—	—	—	—	—	—	10.1	10.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—

Strip Mall	—	—	—	—	—	—	0.47	0.47
General Office Building	—	—	—	—	—	—	0.02	0.02
Single Family Housing	—	—	—	—	—	—	7.29	7.29
Mobile Home Park	—	—	—	—	—	—	2.28	2.28
Total	—	—	—	—	—	—	10.1	10.1
Annual	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	0.08	0.08
General Office Building	—	—	—	—	—	—	< 0.005	< 0.005
Single Family Housing	—	—	—	—	—	—	1.21	1.21
Mobile Home Park	—	—	—	—	—	—	0.38	0.38
Total	—	—	—	—	—	—	1.67	1.67

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—

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

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

Vegetation	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e

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

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

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	1/1/2026	2/11/2026	5.00	30.0	—
Site Preparation	Site Preparation	2/12/2026	3/1/2027	5.00	273	—
Grading	Grading	6/1/2026	6/30/2027	5.00	283	—
Building Construction	Building Construction	7/1/2027	12/1/2032	5.00	1,415	—
Paving	Paving	7/1/2027	12/1/2032	5.00	1,415	—

Architectural Coating	Architectural Coating	7/1/2028	12/1/2032	5.00	1,153	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	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	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	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/Backhoes	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
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	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	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	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/Backhoes	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
Demolition	—	—	—	—
Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	21.1	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
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	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	3.31	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	1,065	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	259	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	213	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
Demolition	—	—	—	—
Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	21.1	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
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	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	3.31	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	1,065	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	259	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	213	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

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	2,706,271	902,090	1,055,801	351,934	141,134

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	55,000	—
Site Preparation	—	—	410	0.00	—
Grading	4,400	7,500	849	0.00	—

Paving	0.00	0.00	0.00	0.00	76.8

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Strip Mall	0.00	0%
General Office Building	0.00	0%
Unrefrigerated Warehouse-No Rail	0.00	0%
Single Family Housing	5.75	0%
Mobile Home Park	6.00	80%
Mobile Home Park	6.00	80%
User Defined Industrial	5.00	0%
Parking Lot	38.7	100%
Other Asphalt Surfaces	15.3	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	262	0.03	< 0.005
2027	0.00	266	0.03	< 0.005
2028	0.00	275	0.03	< 0.005
2029	0.00	249	0.03	< 0.005
2030	0.00	247	0.03	< 0.005

2031	0.00	247	0.03	< 0.005
2032	0.00	247	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Strip Mall	2,084	2,798	2,517	820,650	28,152	37,795	34,000	11,083,211
General Office Building	108	22.1	7.00	29,779	1,464	298	94.5	402,175
Unrefrigerated Warehouse-No Rail	1,709	2,798	2,517	722,868	23,087	37,795	34,000	9,762,619
Single Family Housing	4,613	4,587	4,236	1,662,731	69,195	68,805	63,540	24,940,961
Mobile Home Park	995	1,300	1,050	381,946	13,720	17,926	14,479	5,266,691
Mobile Home Park	637	832	672	244,446	9,552	12,480	10,080	3,666,686
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Strip Mall	2,084	2,798	2,517	820,650	28,152	37,795	34,000	11,083,211
General Office Building	108	22.1	7.00	29,779	1,464	298	94.5	402,175
Unrefrigerated Warehouse-No Rail	1,709	2,798	2,517	722,868	23,087	37,795	34,000	9,762,619
Single Family Housing	4,613	4,587	4,236	1,662,731	69,195	68,805	63,540	24,940,961

Mobile Home Park	995	1,300	1,050	381,946	13,720	17,926	14,479	5,266,691
Mobile Home Park	637	832	672	244,446	9,552	12,480	10,080	3,666,686
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Single Family Housing	—
Wood Fireplaces	25
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	26
No Fireplaces	52
Conventional Wood Stoves	0
Catalytic Wood Stoves	26
Non-Catalytic Wood Stoves	26
Pellet Wood Stoves	0
Mobile Home Park	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	25

No Fireplaces	50
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	320
No Fireplaces	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	25
Non-Catalytic Wood Stoves	25
Pellet Wood Stoves	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	16
Non-Catalytic Wood Stoves	16
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Single Family Housing	—
Wood Fireplaces	25
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	26
No Fireplaces	52
Conventional Wood Stoves	0
Catalytic Wood Stoves	26
Non-Catalytic Wood Stoves	26
Pellet Wood Stoves	0
Mobile Home Park	—

Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	25
No Fireplaces	50
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	320
No Fireplaces	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	25
Non-Catalytic Wood Stoves	25
Pellet Wood Stoves	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	16
Non-Catalytic Wood Stoves	16
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
2706270.75	902,090	1,055,801	351,934	141,134

5.10.3. Landscape Equipment

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

5.10.4. Landscape Equipment - Mitigated

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Strip Mall	1,108,805	247	0.0330	0.0040	503,458
General Office Building	380,325	247	0.0330	0.0040	107,164
Unrefrigerated Warehouse-No Rail	6,706,220	247	0.0330	0.0040	0.00
Single Family Housing	4,875,085	247	0.0330	0.0040	18,564,572
Mobile Home Park	3,419,003	247	0.0330	0.0040	12,878,656
Mobile Home Park	2,188,162	247	0.0330	0.0040	0.00
User Defined Industrial	0.00	247	0.0330	0.0040	0.00
Parking Lot	1,476,736	247	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	247	0.0330	0.0040	0.00

5.11.2. Mitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Strip Mall	809,030	247	0.0330	0.0040	481,386
General Office Building	285,253	247	0.0330	0.0040	101,672
Unrefrigerated Warehouse-No Rail	5,190,067	247	0.0330	0.0040	0.00

Single Family Housing	3,197,620	247	0.0330	0.0040	16,967,457
Mobile Home Park	2,614,782	247	0.0330	0.0040	11,704,348
Mobile Home Park	1,673,460	247	0.0330	0.0040	0.00
User Defined Industrial	0.00	247	0.0330	0.0040	0.00
Parking Lot	1,181,389	247	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	247	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Strip Mall	5,555,439	52,297,012
General Office Building	1,777,337	52,297,012
Unrefrigerated Warehouse-No Rail	138,287,500	52,297,012
Single Family Housing	21,231,711	183,781,003
Mobile Home Park	20,336,888	8,212,444
Mobile Home Park	13,015,608	8,212,444
User Defined Industrial	0.00	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Strip Mall	5,555,439	52,297,012
General Office Building	1,777,337	52,297,012
Unrefrigerated Warehouse-No Rail	138,287,500	52,297,012
Single Family Housing	21,231,711	183,781,003
Mobile Home Park	20,336,888	4,536,536

Mobile Home Park	13,015,608	4,536,536
User Defined Industrial	0.00	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Strip Mall	78.8	—
General Office Building	9.30	—
Unrefrigerated Warehouse-No Rail	562	—
Single Family Housing	478	—
Mobile Home Park	370	—
Mobile Home Park	237	—
User Defined Industrial	0.00	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Strip Mall	78.8	—
General Office Building	9.30	—
Unrefrigerated Warehouse-No Rail	562	—
Single Family Housing	478	—
Mobile Home Park	370	—
Mobile Home Park	237	—
User Defined Industrial	0.00	—

Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Mobile Home Park	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Mobile Home Park	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Mobile Home Park	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0

Mobile Home Park	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Mobile Home Park	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Mobile Home Park	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Mobile Home Park	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Mobile Home Park	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

5.15.2. Mitigated

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

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

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

5.16.2. Process Boilers

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

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

5.18.2.2. Mitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	21.5	annual days of extreme heat
Extreme Precipitation	0.50	annual days with precipitation above 20 mm

Sea Level Rise	—	meters of inundation depth
Wildfire	0.23	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	2	3	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	3	2	3	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	5	2	3	3

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

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	2	3	2

Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	3	2	3	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	5	2	3	3

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	77.1
AQ-PM	7.31
AQ-DPM	9.38
Drinking Water	67.0
Lead Risk Housing	31.7
Pesticides	95.0
Toxic Releases	3.14
Traffic	6.09
Effect Indicators	—

CleanUp Sites	22.6
Groundwater	0.00
Haz Waste Facilities/Generators	35.6
Impaired Water Bodies	97.5
Solid Waste	83.3
Sensitive Population	—
Asthma	21.2
Cardio-vascular	47.3
Low Birth Weights	53.8
Socioeconomic Factor Indicators	—
Education	96.2
Housing	77.2
Linguistic	99.1
Poverty	95.5
Unemployment	93.8

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	2.527909663
Employed	8.956756063
Median HI	7.262928269
Education	—
Bachelor's or higher	24.75298345
High school enrollment	22.50737842
Preschool enrollment	7.814705505
Transportation	—

Auto Access	49.51879892
Active commuting	13.6147825
Social	—
2-parent households	34.82612601
Voting	66.44424484
Neighborhood	—
Alcohol availability	91.1587322
Park access	5.389452072
Retail density	5.864237136
Supermarket access	2.399589375
Tree canopy	8.404978827
Housing	—
Homeownership	77.35146927
Housing habitability	8.956756063
Low-inc homeowner severe housing cost burden	12.29308354
Low-inc renter severe housing cost burden	61.6963942
Uncrowded housing	15.89888361
Health Outcomes	—
Insured adults	2.463749519
Arthritis	0.0
Asthma ER Admissions	63.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	81.1

Cognitively Disabled	76.7
Physically Disabled	74.5
Heart Attack ER Admissions	49.3
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	39.9
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	16.3
Elderly	50.9
English Speaking	2.2
Foreign-born	93.3
Outdoor Workers	0.1
Climate Change Adaptive Capacity	—
Impervious Surface Cover	96.0
Traffic Density	2.2
Traffic Access	23.0
Other Indices	—
Hardship	97.8
Other Decision Support	—

2016 Voting	63.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	66.0
Healthy Places Index Score for Project Location (b)	6.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	EasternCoachellaValley

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

7.4. Health & Equity Measures

Measure Title	Co-Benefits Achieved
IC-2: Adopt Design Standards	—
IC-3: Promotes Accessibility	—
IC-4: Enhanced Open and Green Spaces	—
IC-7: Equal Access to Building Amenities	—
IC-8: Enhanced Access to Community Resources	—

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification

Land Use	See TRSP AQ/GHG report Table 6-15 Alternative D CalEEMod Land Use Assumptions. Assumes average RV is 500 SF.
Construction: Construction Phases	Operational/buildout year consistent with Traffic Impact Analysis.
Construction: Paving	Assumes 12 acres of hardscape for workforce housing. 5 acres of off site water tank location will be permanently disturbed, assumes paved.
Operations: Vehicle Data	Total of 10,159 weekday trips, 12,367 Saturday trips, and 11,013 Sunday Trips and per TIA. Assumes no H-O trips for RV residents (mobile home 320 units) who work on-site. For residential trip lengths, the distances for H-S and H-O were increased to 15 miles due to the elimination of onsite commercial retail previously proposed on-site. Residents will need to travel farther distances for shopping and other services.
Operations: Hearths	Assumes wood burning fireplaces are limited to single family estates. Workforce housing will not have wood burning hearths. No wood burning stoves proposed.
Operations: Energy Use	All new development will be built to Title 24 standards. RV park does not use natural gas. Assumes 600 kWh per RV per month. The equestrian stables (unrefrigerated warehouse) do not use natural gas.

Thermal Ranch Specific Plan Alternative D - 2017 CAP Modeling Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Thermal Ranch Specific Plan Alternative D - 2017 CAP Modeling
Construction Start Date	1/1/2011
Operational Year	2017
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	8.80
Location	33.59088711062806, -116.17302750036589
County	Riverside-Salton Sea
City	Unincorporated
Air District	South Coast AQMD
Air Basin	Salton Sea
TAZ	5697
EDFZ	19
Electric Utility	Imperial Irrigation District
Gas Utility	Southern California Gas
App Version	2022.1.1.26

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
Strip Mall	75.0	1000sqft	1.72	75,000	1,728,542	865,891	—	—

General Office Building	10.0	1000sqft	0.23	10,000	1,728,542	865,891	—	—
Unrefrigerated Warehouse-No Rail	598	1000sqft	182	598,000	1,728,542	865,891	—	—
Single Family Housing	522	Dwelling Unit	340	1,017,900	8,012,862	—	1,686	—
Mobile Home Park	500	Dwelling Unit	18.3	158,530	358,063	—	1,615	—
Mobile Home Park	320	Dwelling Unit	22.8	160,000	358,063	—	1,034	—
User Defined Industrial	1.00	User Defined Unit	13.6	20,867	0.00	—	—	—
Parking Lot	4,302	Space	38.7	0.00	0.00	—	—	—
Other Asphalt Surfaces	15.3	Acre	15.3	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-7	Use Oxidation Catalyst
Construction	C-9	Use Dust Suppressants
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Construction	C-12	Sweep Paved Roads
Transportation	T-14*	Provide Electric Vehicle Charging Infrastructure
Transportation	T-34*	Provide Bike Parking
Transportation	T-53*	Electrify Loading Docks
Energy	E-2	Require Energy Efficient Appliances
Water	W-5	Design Water-Efficient Landscapes
Area Sources	AS-1	Use Low-VOC Cleaning Supplies

* 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.	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Unmit.	48.6	164	392	0.11	24.2	12.9	125	36,928
Mit.	48.6	140	392	0.11	24.2	12.9	125	36,928
% Reduced	—	15%	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Unmit.	45.2	164	258	0.11	24.2	12.9	3.25	33,081
Mit.	45.2	140	258	0.11	24.2	12.9	3.25	33,081
% Reduced	—	15%	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—
Unmit.	31.0	90.5	198	0.07	16.7	7.29	38.7	24,458
Mit.	31.0	78.1	198	0.07	16.7	7.29	38.7	24,458
% Reduced	—	14%	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—
Unmit.	5.65	16.5	36.2	0.01	3.05	1.33	6.41	4,049
Mit.	5.65	14.3	36.2	0.01	3.05	1.33	6.41	4,049
% Reduced	—	14%	—	—	—	—	—	—
Exceeds (Daily Max)	—	—	—	—	—	—	—	—
Threshold	75.0	100	550	150	150	55.0	—	—
Unmit.	No	Yes	No	No	No	No	—	—
Mit.	No	Yes	No	No	No	No	—	—

Exceeds (Average Daily)	—	—	—	—	—	—	—	—
Threshold	75.0	100	550	150	150	55.0	—	—
Unmit.	No	No	No	No	No	No	—	—
Mit.	No	No	No	No	No	No	—	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—
2011	14.5	164	122	0.11	19.9	12.9	3.45	12,864
2012	23.4	120	364	0.10	21.9	9.02	108	33,412
2013	48.6	115	392	0.10	24.2	9.34	125	36,928
2014	45.7	104	349	0.10	23.5	8.68	125	36,524
2015	43.5	96.7	314	0.10	23.3	8.41	125	36,232
2016	42.0	87.9	288	0.10	22.9	8.05	125	35,900
2017	40.9	79.8	266	0.10	22.5	7.70	125	35,578
Daily - Winter (Max)	—	—	—	—	—	—	—	—
2011	14.4	164	117	0.11	19.9	12.9	0.11	12,749
2012	20.6	164	242	0.11	21.9	12.9	2.80	30,250
2013	45.2	121	258	0.10	24.2	9.34	3.24	33,081
2014	42.7	110	227	0.10	23.5	8.68	3.25	32,766
2015	40.7	101	204	0.10	23.3	8.41	3.25	32,528
2016	39.3	91.7	187	0.10	22.9	8.06	3.25	32,289
2017	38.4	83.4	172	0.10	22.5	7.70	3.25	32,033
Average Daily	—	—	—	—	—	—	—	—
2011	8.01	90.5	66.1	0.06	11.2	7.29	0.91	6,983
2012	11.3	84.4	128	0.06	12.1	6.01	17.2	14,576

2013	23.5	83.0	198	0.07	16.2	6.38	36.0	23,383
2014	31.0	76.9	189	0.07	16.7	6.18	38.6	24,458
2015	29.9	70.8	170	0.07	16.5	5.99	38.6	24,281
2016	28.9	64.5	156	0.07	16.3	5.75	38.7	24,145
2017	25.5	53.6	133	0.07	14.7	5.03	35.4	21,909
Annual	—	—	—	—	—	—	—	—
2011	1.46	16.5	12.1	0.01	2.05	1.33	0.15	1,156
2012	2.06	15.4	23.4	0.01	2.21	1.10	2.85	2,413
2013	4.29	15.1	36.2	0.01	2.95	1.16	5.95	3,871
2014	5.65	14.0	34.6	0.01	3.05	1.13	6.39	4,049
2015	5.45	12.9	31.1	0.01	3.02	1.09	6.39	4,020
2016	5.28	11.8	28.6	0.01	2.98	1.05	6.41	3,997
2017	4.66	9.79	24.2	0.01	2.67	0.92	5.86	3,627

2.3. Construction Emissions by Year, Mitigated

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

Year	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—
2011	14.5	140	122	0.11	19.9	12.9	3.45	12,864
2012	23.4	113	364	0.10	21.9	9.02	108	33,412
2013	48.6	108	392	0.10	24.2	9.34	125	36,928
2014	45.7	97.8	349	0.10	23.5	8.68	125	36,524
2015	43.5	90.3	314	0.10	23.3	8.41	125	36,232
2016	42.0	81.8	288	0.10	22.9	8.05	125	35,900
2017	40.9	74.2	266	0.10	22.5	7.70	125	35,578
Daily - Winter (Max)	—	—	—	—	—	—	—	—
2011	14.4	140	117	0.11	19.9	12.9	0.11	12,749

2012	20.6	140	242	0.11	21.9	12.9	2.80	30,250
2013	45.2	114	258	0.10	24.2	9.34	3.24	33,081
2014	42.7	103	227	0.10	23.5	8.68	3.25	32,766
2015	40.7	94.5	204	0.10	23.3	8.41	3.25	32,528
2016	39.3	85.7	187	0.10	22.9	8.06	3.25	32,289
2017	38.4	77.8	172	0.10	22.5	7.70	3.25	32,033
Average Daily	—	—	—	—	—	—	—	—
2011	8.01	77.2	66.1	0.06	11.2	7.29	0.91	6,983
2012	11.3	76.0	128	0.06	12.1	6.01	17.2	14,576
2013	23.5	78.1	198	0.07	16.2	6.38	36.0	23,383
2014	31.0	72.2	189	0.07	16.7	6.18	38.6	24,458
2015	29.9	66.3	170	0.07	16.5	5.99	38.6	24,281
2016	28.9	60.2	156	0.07	16.3	5.75	38.7	24,145
2017	25.5	49.9	133	0.07	14.7	5.03	35.4	21,909
Annual	—	—	—	—	—	—	—	—
2011	1.46	14.1	12.1	0.01	2.05	1.33	0.15	1,156
2012	2.06	13.9	23.4	0.01	2.21	1.10	2.85	2,413
2013	4.29	14.3	36.2	0.01	2.95	1.16	5.95	3,871
2014	5.65	13.2	34.6	0.01	3.05	1.13	6.39	4,049
2015	5.45	12.1	31.1	0.01	3.02	1.09	6.39	4,020
2016	5.28	11.0	28.6	0.01	2.98	1.05	6.41	3,997
2017	4.66	9.11	24.2	0.01	2.67	0.92	5.86	3,627

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—

Unmit.	153	182	1,350	1.89	129	35.4	842	236,144
Mit.	149	182	1,350	1.89	129	35.4	842	235,912
% Reduced	2%	—	—	—	—	—	—	< 0.5%
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Unmit.	120	197	811	1.66	129	35.3	31.6	212,903
Mit.	117	197	811	1.66	129	35.3	31.6	212,671
% Reduced	3%	—	—	—	—	—	—	< 0.5%
Average Daily (Max)	—	—	—	—	—	—	—	—
Unmit.	120	164	856	1.50	110	30.1	317	194,645
Mit.	117	164	856	1.50	110	30.1	317	194,413
% Reduced	3%	—	—	—	—	—	—	< 0.5%
Annual (Max)	—	—	—	—	—	—	—	—
Unmit.	21.9	29.9	156	0.27	20.0	5.49	52.5	32,226
Mit.	21.3	29.9	156	0.27	20.0	5.49	52.5	32,187
% Reduced	3%	—	—	—	—	—	—	< 0.5%
Exceeds (Daily Max)	—	—	—	—	—	—	—	—
Threshold	55.0	55.0	550	150	150	55.0	—	—
Unmit.	Yes	Yes	Yes	No	No	No	—	—
Mit.	Yes	Yes	Yes	No	No	No	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—
Threshold	55.0	55.0	550	150	150	55.0	—	—
Unmit.	Yes	Yes	Yes	No	No	No	—	—
Mit.	Yes	Yes	Yes	No	No	No	—	—

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Mobile	89.1	173	1,240	1.83	128	34.6	831	190,777
Area	63.0	1.15	106	0.01	0.23	0.20	—	2,184
Energy	0.47	8.10	3.52	0.05	0.65	0.65	—	35,622
Water	—	—	—	—	—	—	—	4,281
Waste	—	—	—	—	—	—	—	3,271
Refrig.	—	—	—	—	—	—	10.1	10.1
Total	153	182	1,350	1.89	129	35.4	842	236,144
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Mobile	70.7	188	807	1.61	128	34.6	21.6	167,866
Area	48.8	0.01	0.76	< 0.005	0.10	0.10	—	1,854
Energy	0.47	8.10	3.52	0.05	0.65	0.65	—	35,622
Water	—	—	—	—	—	—	—	4,281
Waste	—	—	—	—	—	—	—	3,271
Refrig.	—	—	—	—	—	—	10.1	10.1
Total	120	197	811	1.66	129	35.3	31.6	212,903
Average Daily	—	—	—	—	—	—	—	—
Mobile	64.3	155	800	1.45	109	29.4	307	151,172
Area	55.2	0.57	52.2	< 0.005	0.07	0.05	—	290
Energy	0.47	8.10	3.52	0.05	0.65	0.65	—	35,622
Water	—	—	—	—	—	—	—	4,281
Waste	—	—	—	—	—	—	—	3,271
Refrig.	—	—	—	—	—	—	10.1	10.1
Total	120	164	856	1.50	110	30.1	317	194,645
Annual	—	—	—	—	—	—	—	—
Mobile	11.7	28.3	146	0.26	19.9	5.36	50.8	25,028
Area	10.1	0.10	9.52	< 0.005	0.01	0.01	—	48.0

Energy	0.09	1.48	0.64	0.01	0.12	0.12	—	5,898
Water	—	—	—	—	—	—	—	709
Waste	—	—	—	—	—	—	—	541
Refrig.	—	—	—	—	—	—	1.67	1.67
Total	21.9	29.9	156	0.27	20.0	5.49	52.5	32,226

2.6. Operations Emissions by Sector, Mitigated

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

Sector	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Mobile	89.1	173	1,240	1.83	128	34.6	831	190,777
Area	59.7	1.15	106	0.01	0.23	0.20	—	2,184
Energy	0.47	8.10	3.52	0.05	0.65	0.65	—	35,419
Water	—	—	—	—	—	—	—	4,251
Waste	—	—	—	—	—	—	—	3,271
Refrig.	—	—	—	—	—	—	10.1	10.1
Total	149	182	1,350	1.89	129	35.4	842	235,912
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Mobile	70.7	188	807	1.61	128	34.6	21.6	167,866
Area	45.5	0.01	0.76	< 0.005	0.10	0.10	—	1,854
Energy	0.47	8.10	3.52	0.05	0.65	0.65	—	35,419
Water	—	—	—	—	—	—	—	4,251
Waste	—	—	—	—	—	—	—	3,271
Refrig.	—	—	—	—	—	—	10.1	10.1
Total	117	197	811	1.66	129	35.3	31.6	212,671
Average Daily	—	—	—	—	—	—	—	—
Mobile	64.3	155	800	1.45	109	29.4	307	151,172

Area	51.9	0.57	52.2	< 0.005	0.07	0.05	—	290
Energy	0.47	8.10	3.52	0.05	0.65	0.65	—	35,419
Water	—	—	—	—	—	—	—	4,251
Waste	—	—	—	—	—	—	—	3,271
Refrig.	—	—	—	—	—	—	10.1	10.1
Total	117	164	856	1.50	110	30.1	317	194,413
Annual	—	—	—	—	—	—	—	—
Mobile	11.7	28.3	146	0.26	19.9	5.36	50.8	25,028
Area	9.47	0.10	9.52	< 0.005	0.01	0.01	—	48.0
Energy	0.09	1.48	0.64	0.01	0.12	0.12	—	5,864
Water	—	—	—	—	—	—	—	704
Waste	—	—	—	—	—	—	—	541
Refrig.	—	—	—	—	—	—	1.67	1.67
Total	21.3	29.9	156	0.27	20.0	5.49	52.5	32,187

3. Construction Emissions Details

3.1. Demolition (2011) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	5.00	49.1	38.0	0.03	2.49	2.29	—	3,419
Demolition	—	—	—	—	1.18	0.18	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—

Off-Road Equipment	0.41	4.04	3.12	< 0.005	0.21	0.19	—	281
Demolition	—	—	—	—	0.10	0.01	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.74	0.57	< 0.005	0.04	0.03	—	46.5
Demolition	—	—	—	—	0.02	< 0.005	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.17	0.33	2.83	0.00	0.20	0.05	0.03	244
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.77	13.0	3.11	0.02	0.92	0.61	0.08	1,592
Average Daily	—	—	—	—	—	—	—	—
Worker	0.01	0.03	0.28	0.00	0.02	< 0.005	0.04	21.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.06	1.06	0.25	< 0.005	0.08	0.05	0.11	131
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	< 0.005	< 0.005	0.01	3.57
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.19	0.05	< 0.005	0.01	0.01	0.02	21.7

3.2. Demolition (2011) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	5.00	41.8	38.0	0.03	2.49	2.29	—	3,419
Demolition	—	—	—	—	1.18	0.18	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	3.43	3.12	< 0.005	0.21	0.19	—	281
Demolition	—	—	—	—	0.10	0.01	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.63	0.57	< 0.005	0.04	0.03	—	46.5
Demolition	—	—	—	—	0.02	< 0.005	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.17	0.33	2.83	0.00	0.20	0.05	0.03	244
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.77	13.0	3.11	0.02	0.92	0.61	0.08	1,592
Average Daily	—	—	—	—	—	—	—	—
Worker	0.01	0.03	0.28	0.00	0.02	< 0.005	0.04	21.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.06	1.06	0.25	< 0.005	0.08	0.05	0.11	131
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	< 0.005	< 0.005	0.01	3.57

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.19	0.05	< 0.005	0.01	0.01	0.02	21.7

3.3. Site Preparation (2011) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	6.78	77.3	56.3	0.05	3.98	3.66	—	5,283
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	6.78	77.3	56.3	0.05	3.98	3.66	—	5,283
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	4.28	48.8	35.6	0.03	2.52	2.32	—	3,339
Dust From Material Movement	—	—	—	—	4.85	2.49	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	8.91	6.49	0.01	0.46	0.42	—	553
Dust From Material Movement	—	—	—	—	0.88	0.45	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.25	0.34	5.36	0.00	0.23	0.05	1.38	339
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.20	0.38	3.30	0.00	0.23	0.05	0.04	285
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.13	0.23	2.49	0.00	0.14	0.03	0.38	193
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.04	0.45	0.00	0.03	0.01	0.06	32.0
Vendor	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

3.4. Site Preparation (2011) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	6.78	65.7	56.3	0.05	3.98	3.66	—	5,283

Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	6.78	65.7	56.3	0.05	3.98	3.66	—	5,283
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	4.28	41.5	35.6	0.03	2.52	2.32	—	3,339
Dust From Material Movement	—	—	—	—	4.85	2.49	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	7.58	6.49	0.01	0.46	0.42	—	553
Dust From Material Movement	—	—	—	—	0.88	0.45	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.25	0.34	5.36	0.00	0.23	0.05	1.38	339
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.20	0.38	3.30	0.00	0.23	0.05	0.04	285
Vendor	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

Average Daily	—	—	—	—	—	—	—	—
Worker	0.13	0.23	2.49	0.00	0.14	0.03	0.38	193
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.04	0.45	0.00	0.03	0.01	0.06	32.0
Vendor	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

3.5. Site Preparation (2012) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	6.82	77.2	56.3	0.05	3.99	3.67	—	5,285
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80	9.06	6.61	0.01	0.47	0.43	—	620
Dust From Material Movement	—	—	—	—	0.90	0.46	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	1.65	1.21	< 0.005	0.09	0.08	—	103

Dust From Material Movement	—	—	—	—	0.16	0.08	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.19	0.36	3.11	0.00	0.23	0.05	0.04	283
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.02	0.04	0.44	0.00	0.03	0.01	0.07	35.6
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.08	0.00	< 0.005	< 0.005	0.01	5.90
Vendor	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

3.6. Site Preparation (2012) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	6.82	65.6	56.3	0.05	3.99	3.67	—	5,285
Dust From Material Movement	—	—	—	—	7.67	3.94	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80	7.70	6.61	0.01	0.47	0.43	—	620
Dust From Material Movement	—	—	—	—	0.90	0.46	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	1.41	1.21	< 0.005	0.09	0.08	—	103
Dust From Material Movement	—	—	—	—	0.16	0.08	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.19	0.36	3.11	0.00	0.23	0.05	0.04	283
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.02	0.04	0.44	0.00	0.03	0.01	0.07	35.6
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.08	0.00	< 0.005	< 0.005	0.01	5.90
Vendor	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

3.7. Grading (2011) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	7.06	84.2	53.3	0.06	3.98	3.66	—	6,605
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	7.06	84.2	53.3	0.06	3.98	3.66	—	6,605
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	2.96	35.3	22.3	0.03	1.67	1.53	—	2,766
Dust From Material Movement	—	—	—	—	1.50	0.60	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.54	6.44	4.07	< 0.005	0.30	0.28	—	458
Dust From Material Movement	—	—	—	—	0.27	0.11	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.28	0.39	6.13	0.00	0.26	0.06	1.57	387

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.12	1.91	0.49	< 0.005	0.14	0.10	0.50	251
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.23	0.44	3.77	0.00	0.26	0.06	0.04	326
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.12	2.04	0.49	< 0.005	0.14	0.10	0.01	250
Average Daily	—	—	—	—	—	—	—	—
Worker	0.10	0.17	1.88	0.00	0.11	0.03	0.29	146
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.84	0.20	< 0.005	0.06	0.04	0.09	105
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.34	0.00	0.02	< 0.005	0.05	24.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.15	0.04	< 0.005	0.01	0.01	0.01	17.4

3.8. Grading (2011) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	7.06	71.6	53.3	0.06	3.98	3.66	—	6,605
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	7.06	71.6	53.3	0.06	3.98	3.66	—	6,605

Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	2.96	30.0	22.3	0.03	1.67	1.53	—	2,766
Dust From Material Movement	—	—	—	—	1.50	0.60	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.54	5.47	4.07	< 0.005	0.30	0.28	—	458
Dust From Material Movement	—	—	—	—	0.27	0.11	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.28	0.39	6.13	0.00	0.26	0.06	1.57	387
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.12	1.91	0.49	< 0.005	0.14	0.10	0.50	251
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.23	0.44	3.77	0.00	0.26	0.06	0.04	326
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.12	2.04	0.49	< 0.005	0.14	0.10	0.01	250
Average Daily	—	—	—	—	—	—	—	—
Worker	0.10	0.17	1.88	0.00	0.11	0.03	0.29	146
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.84	0.20	< 0.005	0.06	0.04	0.09	105
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.34	0.00	0.02	< 0.005	0.05	24.2

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.15	0.04	< 0.005	0.01	0.01	0.01	17.4

3.9. Grading (2012) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	7.13	84.2	53.5	0.06	3.99	3.67	—	6,605
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	7.13	84.2	53.5	0.06	3.99	3.67	—	6,605
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	2.54	30.0	19.1	0.02	1.42	1.31	—	2,352
Dust From Material Movement	—	—	—	—	1.28	0.51	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	5.47	3.48	< 0.005	0.26	0.24	—	389
Dust From Material Movement	—	—	—	—	0.23	0.09	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.27	0.37	5.80	0.00	0.26	0.06	1.57	381
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	1.72	0.43	< 0.005	0.14	0.09	0.50	250
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.22	0.41	3.56	0.00	0.26	0.06	0.04	323
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	1.84	0.44	< 0.005	0.14	0.09	0.01	249
Average Daily	—	—	—	—	—	—	—	—
Worker	0.08	0.14	1.51	0.00	0.09	0.02	0.24	124
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.04	0.65	0.15	< 0.005	0.05	0.03	0.08	88.9
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.28	0.00	0.02	< 0.005	0.04	20.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.12	0.03	< 0.005	0.01	0.01	0.01	14.7

3.10. Grading (2012) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	7.13	71.5	53.5	0.06	3.99	3.67	—	6,605

Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	7.13	71.5	53.5	0.06	3.99	3.67	—	6,605
Dust From Material Movement	—	—	—	—	3.59	1.43	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	2.54	25.5	19.1	0.02	1.42	1.31	—	2,352
Dust From Material Movement	—	—	—	—	1.28	0.51	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	4.65	3.48	< 0.005	0.26	0.24	—	389
Dust From Material Movement	—	—	—	—	0.23	0.09	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.27	0.37	5.80	0.00	0.26	0.06	1.57	381
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	1.72	0.43	< 0.005	0.14	0.09	0.50	250
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.22	0.41	3.56	0.00	0.26	0.06	0.04	323
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	1.84	0.44	< 0.005	0.14	0.09	0.01	249

Average Daily	—	—	—	—	—	—	—	—
Worker	0.08	0.14	1.51	0.00	0.09	0.02	0.24	124
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.04	0.65	0.15	< 0.005	0.05	0.03	0.08	88.9
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.28	0.00	0.02	< 0.005	0.04	20.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.12	0.03	< 0.005	0.01	0.01	0.01	14.7

3.11. Building Construction (2012) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.22	28.3	18.4	0.02	1.90	1.74	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.22	28.3	18.4	0.02	1.90	1.74	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.16	10.2	6.61	0.01	0.68	0.63	—	866
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	1.86	1.21	< 0.005	0.12	0.11	—	143
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	14.2	19.6	309	0.00	13.9	3.26	83.9	20,306
Vendor	3.30	53.3	20.4	0.06	4.40	2.62	22.8	8,895
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	11.5	21.8	189	0.00	13.9	3.26	2.18	17,228
Vendor	3.28	57.0	20.1	0.06	4.41	2.63	0.59	8,853
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	4.50	7.35	81.6	0.00	4.99	1.17	13.1	6,653
Vendor	1.18	20.3	7.22	0.02	1.58	0.95	3.54	3,195
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.82	1.34	14.9	0.00	0.91	0.21	2.17	1,101
Vendor	0.22	3.70	1.32	< 0.005	0.29	0.17	0.59	529
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Construction (2012) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.22	24.1	18.4	0.02	1.90	1.74	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—

Off-Road Equipment	3.22	24.1	18.4	0.02	1.90	1.74	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.16	8.67	6.61	0.01	0.68	0.63	—	866
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	1.58	1.21	< 0.005	0.12	0.11	—	143
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	14.2	19.6	309	0.00	13.9	3.26	83.9	20,306
Vendor	3.30	53.3	20.4	0.06	4.40	2.62	22.8	8,895
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	11.5	21.8	189	0.00	13.9	3.26	2.18	17,228
Vendor	3.28	57.0	20.1	0.06	4.41	2.63	0.59	8,853
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	4.50	7.35	81.6	0.00	4.99	1.17	13.1	6,653
Vendor	1.18	20.3	7.22	0.02	1.58	0.95	3.54	3,195
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.82	1.34	14.9	0.00	0.91	0.21	2.17	1,101
Vendor	0.22	3.70	1.32	< 0.005	0.29	0.17	0.59	529
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Building Construction (2013) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.06	27.2	17.9	0.02	1.81	1.66	—	2,404
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.06	27.2	17.9	0.02	1.81	1.66	—	2,404
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	2.19	19.5	12.8	0.02	1.29	1.19	—	1,717
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	3.55	2.34	< 0.005	0.24	0.22	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	13.3	17.7	283	0.00	13.9	3.26	84.5	19,895
Vendor	2.81	47.5	17.6	0.06	3.99	2.33	22.8	8,716
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	10.7	19.9	173	0.00	13.9	3.26	2.18	16,759
Vendor	2.72	50.9	17.4	0.06	3.99	2.33	0.59	8,675

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	8.01	13.2	148	0.00	9.89	2.32	26.0	12,846
Vendor	1.98	35.8	12.4	0.04	2.84	1.66	7.02	6,210
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	1.46	2.42	26.9	0.00	1.81	0.42	4.30	2,127
Vendor	0.36	6.54	2.25	0.01	0.52	0.30	1.16	1,028
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Building Construction (2013) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.06	23.2	17.9	0.02	1.81	1.66	—	2,404
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	3.06	23.2	17.9	0.02	1.81	1.66	—	2,404
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	2.19	16.5	12.8	0.02	1.29	1.19	—	1,717
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	3.02	2.34	< 0.005	0.24	0.22	—	284

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	13.3	17.7	283	0.00	13.9	3.26	84.5	19,895
Vendor	2.81	47.5	17.6	0.06	3.99	2.33	22.8	8,716
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	10.7	19.9	173	0.00	13.9	3.26	2.18	16,759
Vendor	2.72	50.9	17.4	0.06	3.99	2.33	0.59	8,675
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	8.01	13.2	148	0.00	9.89	2.32	26.0	12,846
Vendor	1.98	35.8	12.4	0.04	2.84	1.66	7.02	6,210
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	1.46	2.42	26.9	0.00	1.81	0.42	4.30	2,127
Vendor	0.36	6.54	2.25	0.01	0.52	0.30	1.16	1,028
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Building Construction (2014) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.89	26.1	17.5	0.02	1.71	1.57	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.89	26.1	17.5	0.02	1.71	1.57	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	2.07	18.6	12.5	0.02	1.22	1.12	—	1,717
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	3.40	2.28	< 0.005	0.22	0.21	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	11.9	15.5	251	0.00	13.9	3.26	84.5	19,508
Vendor	2.07	41.8	14.4	0.06	3.51	1.85	22.8	8,781
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	9.45	17.7	150	0.00	13.9	3.26	2.19	16,445
Vendor	2.03	44.7	14.2	0.06	3.52	1.86	0.59	8,742
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	7.11	11.6	130	0.00	9.89	2.32	26.0	12,604
Vendor	1.46	31.5	10.1	0.04	2.51	1.32	7.02	6,258
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	1.30	2.12	23.7	0.00	1.81	0.42	4.31	2,087
Vendor	0.27	5.75	1.84	0.01	0.46	0.24	1.16	1,036
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Building Construction (2014) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.89	22.2	17.5	0.02	1.71	1.57	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.89	22.2	17.5	0.02	1.71	1.57	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	2.07	15.8	12.5	0.02	1.22	1.12	—	1,717
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	2.89	2.28	< 0.005	0.22	0.21	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	11.9	15.5	251	0.00	13.9	3.26	84.5	19,508
Vendor	2.07	41.8	14.4	0.06	3.51	1.85	22.8	8,781
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	9.45	17.7	150	0.00	13.9	3.26	2.19	16,445
Vendor	2.03	44.7	14.2	0.06	3.52	1.86	0.59	8,742

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	7.11	11.6	130	0.00	9.89	2.32	26.0	12,604
Vendor	1.46	31.5	10.1	0.04	2.51	1.32	7.02	6,258
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	1.30	2.12	23.7	0.00	1.81	0.42	4.31	2,087
Vendor	0.27	5.75	1.84	0.01	0.46	0.24	1.16	1,036
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Building Construction (2015) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.78	25.3	17.3	0.02	1.65	1.51	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.78	25.3	17.3	0.02	1.65	1.51	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.99	18.1	12.4	0.02	1.18	1.08	—	1,717
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	3.30	2.26	< 0.005	0.21	0.20	—	284

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	10.5	14.1	223	0.00	13.9	3.26	84.5	19,239
Vendor	1.78	37.0	13.1	0.06	3.34	1.68	22.8	8,817
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	8.14	15.4	132	0.00	13.9	3.26	2.19	16,219
Vendor	1.74	39.6	12.9	0.06	3.34	1.68	0.59	8,779
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	6.48	10.3	115	0.00	9.89	2.32	26.0	12,436
Vendor	1.25	27.9	9.17	0.05	2.38	1.20	7.02	6,284
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	1.18	1.88	21.0	0.00	1.81	0.42	4.31	2,059
Vendor	0.23	5.10	1.67	0.01	0.43	0.22	1.16	1,040
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.18. Building Construction (2015) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.78	21.5	17.3	0.02	1.65	1.51	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.78	21.5	17.3	0.02	1.65	1.51	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.99	15.4	12.4	0.02	1.18	1.08	—	1,717
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	2.81	2.26	< 0.005	0.21	0.20	—	284
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	10.5	14.1	223	0.00	13.9	3.26	84.5	19,239
Vendor	1.78	37.0	13.1	0.06	3.34	1.68	22.8	8,817
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	8.14	15.4	132	0.00	13.9	3.26	2.19	16,219
Vendor	1.74	39.6	12.9	0.06	3.34	1.68	0.59	8,779
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	6.48	10.3	115	0.00	9.89	2.32	26.0	12,436
Vendor	1.25	27.9	9.17	0.05	2.38	1.20	7.02	6,284
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	1.18	1.88	21.0	0.00	1.81	0.42	4.31	2,059
Vendor	0.23	5.10	1.67	0.01	0.43	0.22	1.16	1,040
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.19. Building Construction (2016) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.60	23.8	16.8	0.02	1.53	1.41	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.60	23.8	16.8	0.02	1.53	1.41	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.86	17.1	12.1	0.02	1.10	1.01	—	1,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	3.12	2.20	< 0.005	0.20	0.18	—	285
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	9.62	12.6	203	0.00	13.9	3.26	84.5	18,900
Vendor	1.53	32.2	11.6	0.06	3.16	1.50	22.8	8,898
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	7.42	14.0	120	0.00	13.9	3.26	2.19	15,954
Vendor	1.50	34.4	11.5	0.06	3.16	1.50	0.59	8,864

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	5.96	9.31	105	0.00	9.92	2.32	26.1	12,256
Vendor	1.08	24.3	8.19	0.05	2.26	1.07	7.03	6,360
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	1.09	1.70	19.1	0.00	1.81	0.42	4.32	2,029
Vendor	0.20	4.43	1.50	0.01	0.41	0.20	1.16	1,053
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.20. Building Construction (2016) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.60	20.3	16.8	0.02	1.53	1.41	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.60	20.3	16.8	0.02	1.53	1.41	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.86	14.5	12.1	0.02	1.10	1.01	—	1,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	2.65	2.20	< 0.005	0.20	0.18	—	285

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	9.62	12.6	203	0.00	13.9	3.26	84.5	18,900
Vendor	1.53	32.2	11.6	0.06	3.16	1.50	22.8	8,898
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	7.42	14.0	120	0.00	13.9	3.26	2.19	15,954
Vendor	1.50	34.4	11.5	0.06	3.16	1.50	0.59	8,864
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	5.96	9.31	105	0.00	9.92	2.32	26.1	12,256
Vendor	1.08	24.3	8.19	0.05	2.26	1.07	7.03	6,360
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	1.09	1.70	19.1	0.00	1.81	0.42	4.32	2,029
Vendor	0.20	4.43	1.50	0.01	0.41	0.20	1.16	1,053
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.21. Building Construction (2017) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.40	22.3	16.3	0.02	1.40	1.29	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.40	22.3	16.3	0.02	1.40	1.29	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.57	14.6	10.7	0.02	0.92	0.84	—	1,575
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	2.67	1.95	< 0.005	0.17	0.15	—	261
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	9.31	11.3	187	0.00	13.9	3.26	84.5	18,637
Vendor	1.29	28.5	10.1	0.06	2.98	1.38	22.8	8,894
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	7.26	12.6	110	0.00	13.9	3.26	2.19	15,743
Vendor	1.26	30.5	10.1	0.06	2.98	1.38	0.59	8,863
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	5.02	7.62	88.4	0.00	9.08	2.13	23.9	11,062
Vendor	0.83	19.7	6.56	0.04	1.95	0.90	6.44	5,820
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.92	1.39	16.1	0.00	1.66	0.39	3.95	1,831
Vendor	0.15	3.60	1.20	0.01	0.36	0.16	1.07	964
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.22. Building Construction (2017) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.40	19.0	16.3	0.02	1.40	1.29	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.40	19.0	16.3	0.02	1.40	1.29	—	2,403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.57	12.4	10.7	0.02	0.92	0.84	—	1,575
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	2.27	1.95	< 0.005	0.17	0.15	—	261
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	9.31	11.3	187	0.00	13.9	3.26	84.5	18,637
Vendor	1.29	28.5	10.1	0.06	2.98	1.38	22.8	8,894
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	7.26	12.6	110	0.00	13.9	3.26	2.19	15,743
Vendor	1.26	30.5	10.1	0.06	2.98	1.38	0.59	8,863

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Worker	5.02	7.62	88.4	0.00	9.08	2.13	23.9	11,062
Vendor	0.83	19.7	6.56	0.04	1.95	0.90	6.44	5,820
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Worker	0.92	1.39	16.1	0.00	1.66	0.39	3.95	1,831
Vendor	0.15	3.60	1.20	0.01	0.36	0.16	1.07	964
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.23. Paving (2012) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.36	18.4	11.5	0.01	1.46	1.34	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.36	18.4	11.5	0.01	1.46	1.34	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.85	6.63	4.13	0.01	0.53	0.48	—	548
Paving	0.04	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	1.21	0.75	< 0.005	0.10	0.09	—	90.7
Paving	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.20	0.28	4.35	0.00	0.20	0.05	1.18	286
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.16	0.31	2.67	0.00	0.20	0.05	0.03	243
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.06	0.10	1.15	0.00	0.07	0.02	0.18	93.7
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.02	0.21	0.00	0.01	< 0.005	0.03	15.5
Vendor	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

3.24. Paving (2012) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.36	15.6	11.5	0.01	1.46	1.34	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.36	15.6	11.5	0.01	1.46	1.34	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.85	5.63	4.13	0.01	0.53	0.48	—	548
Paving	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	1.03	0.75	< 0.005	0.10	0.09	—	90.7
Paving	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.20	0.28	4.35	0.00	0.20	0.05	1.18	286
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.16	0.31	2.67	0.00	0.20	0.05	0.03	243
Vendor	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

Average Daily	—	—	—	—	—	—	—	—
Worker	0.06	0.10	1.15	0.00	0.07	0.02	0.18	93.7
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.02	0.21	0.00	0.01	< 0.005	0.03	15.5
Vendor	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

3.25. Paving (2013) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.22	17.4	11.3	0.01	1.37	1.26	—	1,520
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.22	17.4	11.3	0.01	1.37	1.26	—	1,520
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.59	12.4	8.10	0.01	0.98	0.90	—	1,086
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	2.27	1.48	< 0.005	0.18	0.16	—	180
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.19	0.25	3.99	0.00	0.20	0.05	1.19	280
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.15	0.28	2.43	0.00	0.20	0.05	0.03	236
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.11	0.19	2.08	0.00	0.14	0.03	0.37	181
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.38	0.00	0.03	0.01	0.06	29.9
Vendor	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

3.26. Paving (2013) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.22	14.8	11.3	0.01	1.37	1.26	—	1,520
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.22	14.8	11.3	0.01	1.37	1.26	—	1,520
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.59	10.6	8.10	0.01	0.98	0.90	—	1,086
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	1.93	1.48	< 0.005	0.18	0.16	—	180
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.19	0.25	3.99	0.00	0.20	0.05	1.19	280
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.15	0.28	2.43	0.00	0.20	0.05	0.03	236
Vendor	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

Average Daily	—	—	—	—	—	—	—	—
Worker	0.11	0.19	2.08	0.00	0.14	0.03	0.37	181
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.38	0.00	0.03	0.01	0.06	29.9
Vendor	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

3.27. Paving (2014) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.08	16.5	11.2	0.01	1.28	1.18	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.08	16.5	11.2	0.01	1.28	1.18	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.48	11.8	8.01	0.01	0.91	0.84	—	1,086
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	2.15	1.46	< 0.005	0.17	0.15	—	180
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.17	0.22	3.53	0.00	0.20	0.05	1.19	275
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.13	0.25	2.12	0.00	0.20	0.05	0.03	232
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.10	0.16	1.83	0.00	0.14	0.03	0.37	177
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.33	0.00	0.03	0.01	0.06	29.4
Vendor	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

3.28. Paving (2014) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.08	14.0	11.2	0.01	1.28	1.18	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.08	14.0	11.2	0.01	1.28	1.18	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.48	10.0	8.01	0.01	0.91	0.84	—	1,086
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	1.83	1.46	< 0.005	0.17	0.15	—	180
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.17	0.22	3.53	0.00	0.20	0.05	1.19	275
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.13	0.25	2.12	0.00	0.20	0.05	0.03	232
Vendor	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

Average Daily	—	—	—	—	—	—	—	—
Worker	0.10	0.16	1.83	0.00	0.14	0.03	0.37	177
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.33	0.00	0.03	0.01	0.06	29.4
Vendor	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

3.29. Paving (2015) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.05	16.1	11.2	0.01	1.26	1.16	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.05	16.1	11.2	0.01	1.26	1.16	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.47	11.5	8.03	0.01	0.90	0.83	—	1,086
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	2.09	1.46	< 0.005	0.16	0.15	—	180
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.15	0.20	3.14	0.00	0.20	0.05	1.19	271
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.11	0.22	1.86	0.00	0.20	0.05	0.03	228
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.09	0.14	1.62	0.00	0.14	0.03	0.37	175
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.30	0.00	0.03	0.01	0.06	29.0
Vendor	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

3.30. Paving (2015) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.05	13.7	11.2	0.01	1.26	1.16	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	2.05	13.7	11.2	0.01	1.26	1.16	—	1,521
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.47	9.75	8.03	0.01	0.90	0.83	—	1,086
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	1.78	1.46	< 0.005	0.16	0.15	—	180
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.15	0.20	3.14	0.00	0.20	0.05	1.19	271
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.11	0.22	1.86	0.00	0.20	0.05	0.03	228
Vendor	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

Average Daily	—	—	—	—	—	—	—	—
Worker	0.09	0.14	1.62	0.00	0.14	0.03	0.37	175
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.30	0.00	0.03	0.01	0.06	29.0
Vendor	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

3.31. Paving (2016) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.96	15.3	11.2	0.01	1.19	1.10	—	1,520
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.96	15.3	11.2	0.01	1.19	1.10	—	1,520
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.41	11.0	8.01	0.01	0.85	0.78	—	1,088
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	2.00	1.46	< 0.005	0.16	0.14	—	180
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.14	0.18	2.86	0.00	0.20	0.05	1.19	266
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.10	0.20	1.69	0.00	0.20	0.05	0.03	225
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.08	0.13	1.48	0.00	0.14	0.03	0.37	173
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.27	0.00	0.03	0.01	0.06	28.6
Vendor	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

3.32. Paving (2016) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.96	13.0	11.2	0.01	1.19	1.10	—	1,520
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.96	13.0	11.2	0.01	1.19	1.10	—	1,520
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.41	9.31	8.01	0.01	0.85	0.78	—	1,088
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	1.70	1.46	< 0.005	0.16	0.14	—	180
Paving	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.14	0.18	2.86	0.00	0.20	0.05	1.19	266
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.10	0.20	1.69	0.00	0.20	0.05	0.03	225
Vendor	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

Average Daily	—	—	—	—	—	—	—	—
Worker	0.08	0.13	1.48	0.00	0.14	0.03	0.37	173
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.27	0.00	0.03	0.01	0.06	28.6
Vendor	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

3.33. Paving (2017) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.80	14.2	11.0	0.01	1.08	0.99	—	1,519
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.80	14.2	11.0	0.01	1.08	0.99	—	1,519
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18	9.28	7.22	0.01	0.71	0.65	—	996
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	1.69	1.32	< 0.005	0.13	0.12	—	165
Paving	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.13	0.16	2.64	0.00	0.20	0.05	1.19	262
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.10	0.18	1.55	0.00	0.20	0.05	0.03	222
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.07	0.11	1.24	0.00	0.13	0.03	0.34	156
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.02	0.23	0.00	0.02	0.01	0.06	25.8
Vendor	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

3.34. Paving (2017) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.80	12.0	11.0	0.01	1.08	0.99	—	1,519
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	1.80	12.0	11.0	0.01	1.08	0.99	—	1,519
Paving	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18	7.89	7.22	0.01	0.71	0.65	—	996
Paving	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	1.44	1.32	< 0.005	0.13	0.12	—	165
Paving	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	0.13	0.16	2.64	0.00	0.20	0.05	1.19	262
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	0.10	0.18	1.55	0.00	0.20	0.05	0.03	222
Vendor	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

Average Daily	—	—	—	—	—	—	—	—
Worker	0.07	0.11	1.24	0.00	0.13	0.03	0.34	156
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.01	0.02	0.23	0.00	0.02	0.01	0.06	25.8
Vendor	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

3.35. Architectural Coating (2013) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	1.33	1.51	< 0.005	0.13	0.12	—	134
Architectural Coatings	23.7	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	1.33	1.51	< 0.005	0.13	0.12	—	134
Architectural Coatings	23.7	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.48	0.54	< 0.005	0.05	0.04	—	48.2
Architectural Coatings	8.55	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.09	0.10	< 0.005	0.01	0.01	—	7.99
Architectural Coatings	1.56	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	2.66	3.55	56.6	0.00	2.79	0.65	16.9	3,979
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	2.13	3.99	34.6	0.00	2.79	0.65	0.44	3,352
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.81	1.34	14.9	0.00	1.00	0.23	2.62	1,295
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.15	0.24	2.72	0.00	0.18	0.04	0.43	214
Vendor	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

3.36. Architectural Coating (2013) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e

Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	1.13	1.51	< 0.005	0.13	0.12	—	134
Architectural Coatings	23.7	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	1.13	1.51	< 0.005	0.13	0.12	—	134
Architectural Coatings	23.7	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.41	0.54	< 0.005	0.05	0.04	—	48.2
Architectural Coatings	8.55	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.07	0.10	< 0.005	0.01	0.01	—	7.99
Architectural Coatings	1.56	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	2.66	3.55	56.6	0.00	2.79	0.65	16.9	3,979
Vendor	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

Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	2.13	3.99	34.6	0.00	2.79	0.65	0.44	3,352
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	0.81	1.34	14.9	0.00	1.00	0.23	2.62	1,295
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.15	0.24	2.72	0.00	0.18	0.04	0.43	214
Vendor	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

3.37. Architectural Coating (2014) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	1.27	1.45	< 0.005	0.12	0.11	—	134
Architectural Coatings	23.7	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	1.27	1.45	< 0.005	0.12	0.11	—	134
Architectural Coatings	23.7	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.91	1.04	< 0.005	0.08	0.08	—	95.7
Architectural Coatings	17.0	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.17	0.19	< 0.005	0.02	0.01	—	15.8
Architectural Coatings	3.10	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	2.38	3.09	50.2	0.00	2.79	0.65	16.9	3,902
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	1.89	3.53	30.1	0.00	2.79	0.65	0.44	3,289
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	1.42	2.32	26.0	0.00	1.98	0.46	5.20	2,521
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.26	0.42	4.74	0.00	0.36	0.08	0.86	417
Vendor	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

3.38. Architectural Coating (2014) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	1.08	1.45	< 0.005	0.12	0.11	—	134
Architectural Coatings	23.7	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	1.08	1.45	< 0.005	0.12	0.11	—	134
Architectural Coatings	23.7	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.77	1.04	< 0.005	0.08	0.08	—	95.7
Architectural Coatings	17.0	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.14	0.19	< 0.005	0.02	0.01	—	15.8
Architectural Coatings	3.10	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	2.38	3.09	50.2	0.00	2.79	0.65	16.9	3,902
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	1.89	3.53	30.1	0.00	2.79	0.65	0.44	3,289
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	1.42	2.32	26.0	0.00	1.98	0.46	5.20	2,521
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.26	0.42	4.74	0.00	0.36	0.08	0.86	417
Vendor	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

3.39. Architectural Coating (2015) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	1.23	1.40	< 0.005	0.11	0.10	—	134
Architectural Coatings	23.7	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	1.23	1.40	< 0.005	0.11	0.10	—	134
Architectural Coatings	23.7	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	0.88	1.00	< 0.005	0.08	0.07	—	95.7
Architectural Coatings	17.0	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.16	0.18	< 0.005	0.01	0.01	—	15.8
Architectural Coatings	3.10	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	2.09	2.81	44.6	0.00	2.79	0.65	16.9	3,848
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	1.63	3.07	26.5	0.00	2.79	0.65	0.44	3,244
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	1.30	2.06	23.0	0.00	1.98	0.46	5.20	2,487
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.24	0.38	4.20	0.00	0.36	0.08	0.86	412
Vendor	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

3.40. Architectural Coating (2015) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	1.04	1.40	< 0.005	0.11	0.10	—	134
Architectural Coatings	23.7	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	1.04	1.40	< 0.005	0.11	0.10	—	134
Architectural Coatings	23.7	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	0.75	1.00	< 0.005	0.08	0.07	—	95.7
Architectural Coatings	17.0	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—

Off-Road Equipment	0.05	0.14	0.18	< 0.005	0.01	0.01	—	15.8
Architectural Coatings	3.10	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	2.09	2.81	44.6	0.00	2.79	0.65	16.9	3,848
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	1.63	3.07	26.5	0.00	2.79	0.65	0.44	3,244
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	1.30	2.06	23.0	0.00	1.98	0.46	5.20	2,487
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.24	0.38	4.20	0.00	0.36	0.08	0.86	412
Vendor	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

3.41. Architectural Coating (2016) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	1.18	1.36	< 0.005	0.10	0.09	—	134
Architectural Coatings	23.7	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	1.18	1.36	< 0.005	0.10	0.09	—	134
Architectural Coatings	23.7	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.85	0.97	< 0.005	0.07	0.06	—	96.0
Architectural Coatings	17.0	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.15	0.18	< 0.005	0.01	0.01	—	15.9
Architectural Coatings	3.10	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	1.92	2.53	40.6	0.00	2.79	0.65	16.9	3,780
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—

Worker	1.48	2.79	24.0	0.00	2.79	0.65	0.44	3,191
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	1.19	1.86	21.0	0.00	1.98	0.46	5.22	2,451
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.22	0.34	3.83	0.00	0.36	0.08	0.86	406
Vendor	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

3.42. Architectural Coating (2016) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	1.01	1.36	< 0.005	0.10	0.09	—	134
Architectural Coatings	23.7	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	1.01	1.36	< 0.005	0.10	0.09	—	134
Architectural Coatings	23.7	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—

Off-Road Equipment	0.23	0.72	0.97	< 0.005	0.07	0.06	—	96.0
Architectural Coatings	17.0	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.13	0.18	< 0.005	0.01	0.01	—	15.9
Architectural Coatings	3.10	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	1.92	2.53	40.6	0.00	2.79	0.65	16.9	3,780
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	1.48	2.79	24.0	0.00	2.79	0.65	0.44	3,191
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	1.19	1.86	21.0	0.00	1.98	0.46	5.22	2,451
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.22	0.34	3.83	0.00	0.36	0.08	0.86	406
Vendor	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

3.43. Architectural Coating (2017) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	1.14	1.32	< 0.005	0.09	0.08	—	134
Architectural Coatings	23.7	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	1.14	1.32	< 0.005	0.09	0.08	—	134
Architectural Coatings	23.7	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.75	0.86	< 0.005	0.06	0.05	—	87.8
Architectural Coatings	15.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.14	0.16	< 0.005	0.01	0.01	—	14.5
Architectural Coatings	2.84	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	1.86	2.25	37.5	0.00	2.79	0.65	16.9	3,727
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	1.45	2.52	22.0	0.00	2.79	0.65	0.44	3,149
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	1.00	1.52	17.7	0.00	1.82	0.43	4.77	2,212
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.18	0.28	3.23	0.00	0.33	0.08	0.79	366
Vendor	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

3.44. Architectural Coating (2017) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Onsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.97	1.32	< 0.005	0.09	0.08	—	134
Architectural Coatings	23.7	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.97	1.32	< 0.005	0.09	0.08	—	134
Architectural Coatings	23.7	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.64	0.86	< 0.005	0.06	0.05	—	87.8
Architectural Coatings	15.6	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.12	0.16	< 0.005	0.01	0.01	—	14.5
Architectural Coatings	2.84	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Worker	1.86	2.25	37.5	0.00	2.79	0.65	16.9	3,727
Vendor	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Worker	1.45	2.52	22.0	0.00	2.79	0.65	0.44	3,149
Vendor	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
Average Daily	—	—	—	—	—	—	—	—
Worker	1.00	1.52	17.7	0.00	1.82	0.43	4.77	2,212
Vendor	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
Annual	—	—	—	—	—	—	—	—
Worker	0.18	0.28	3.23	0.00	0.33	0.08	0.79	366
Vendor	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

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Strip Mall	19.7	37.2	267	0.39	27.4	7.39	178	40,856
General Office Building	0.76	1.44	10.3	0.02	1.06	0.29	6.89	1,583
Unrefrigerated Warehouse-No Rail	19.7	37.2	267	0.39	27.4	7.39	178	40,856
Single Family Housing	33.6	67.4	483	0.72	50.2	13.5	326	74,650
Mobile Home Park	15.3	29.8	213	0.32	22.0	5.95	143	32,833
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	89.1	173	1,240	1.83	128	34.6	831	190,777
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Strip Mall	15.6	40.5	174	0.34	27.4	7.39	4.61	35,954

General Office Building	0.60	1.57	6.75	0.01	1.06	0.29	0.18	1,393
Unrefrigerated Warehouse-No Rail	15.6	40.5	174	0.34	27.4	7.39	4.61	35,954
Single Family Housing	26.7	73.4	313	0.63	50.2	13.5	8.44	65,675
Mobile Home Park	12.1	32.4	139	0.28	22.0	5.95	3.71	28,890
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	70.7	188	807	1.61	128	34.6	21.6	167,866
Annual	—	—	—	—	—	—	—	—
Strip Mall	2.45	5.72	29.6	0.05	4.00	1.08	10.2	5,038
General Office Building	0.09	0.21	1.07	< 0.005	0.14	0.04	0.37	183
Unrefrigerated Warehouse-No Rail	2.15	5.04	26.1	0.05	3.52	0.95	9.00	4,438
Single Family Housing	5.14	12.7	65.7	0.12	8.99	2.43	23.0	11,313
Mobile Home Park	1.90	4.59	23.7	0.04	3.22	0.87	8.24	4,056
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	11.7	28.3	146	0.26	19.9	5.36	50.8	25,028

4.1.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Strip Mall	19.7	37.2	267	0.39	27.4	7.39	178	40,856
General Office Building	0.76	1.44	10.3	0.02	1.06	0.29	6.89	1,583
Unrefrigerated Warehouse-No Rail	19.7	37.2	267	0.39	27.4	7.39	178	40,856
Single Family Housing	33.6	67.4	483	0.72	50.2	13.5	326	74,650
Mobile Home Park	15.3	29.8	213	0.32	22.0	5.95	143	32,833
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	89.1	173	1,240	1.83	128	34.6	831	190,777
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Strip Mall	15.6	40.5	174	0.34	27.4	7.39	4.61	35,954
General Office Building	0.60	1.57	6.75	0.01	1.06	0.29	0.18	1,393
Unrefrigerated Warehouse-No Rail	15.6	40.5	174	0.34	27.4	7.39	4.61	35,954
Single Family Housing	26.7	73.4	313	0.63	50.2	13.5	8.44	65,675
Mobile Home Park	12.1	32.4	139	0.28	22.0	5.95	3.71	28,890
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	70.7	188	807	1.61	128	34.6	21.6	167,866
Annual	—	—	—	—	—	—	—	—

Strip Mall	2.45	5.72	29.6	0.05	4.00	1.08	10.2	5,038
General Office Building	0.09	0.21	1.07	< 0.005	0.14	0.04	0.37	183
Unrefrigerated Warehouse-No Rail	2.15	5.04	26.1	0.05	3.52	0.95	9.00	4,438
Single Family Housing	5.14	12.7	65.7	0.12	8.99	2.43	23.0	11,313
Mobile Home Park	1.90	4.59	23.7	0.04	3.22	0.87	8.24	4,056
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	11.7	28.3	146	0.26	19.9	5.36	50.8	25,028

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	1,393
General Office Building	—	—	—	—	—	—	—	478
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	8,425
Single Family Housing	—	—	—	—	—	—	—	6,125
Mobile Home Park	—	—	—	—	—	—	—	7,044
User Defined Industrial	—	—	—	—	—	—	—	0.00

Parking Lot	—	—	—	—	—	—	—	1,855
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	25,320
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	1,393
General Office Building	—	—	—	—	—	—	—	478
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	8,425
Single Family Housing	—	—	—	—	—	—	—	6,125
Mobile Home Park	—	—	—	—	—	—	—	7,044
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	1,855
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	25,320
Annual	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	231
General Office Building	—	—	—	—	—	—	—	79.1
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,395
Single Family Housing	—	—	—	—	—	—	—	1,014
Mobile Home Park	—	—	—	—	—	—	—	1,166
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	307

Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	4,192

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	1,376
General Office Building	—	—	—	—	—	—	—	477
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	8,425
Single Family Housing	—	—	—	—	—	—	—	5,939
Mobile Home Park	—	—	—	—	—	—	—	7,044
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	1,855
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	25,118
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	1,376
General Office Building	—	—	—	—	—	—	—	477
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	8,425
Single Family Housing	—	—	—	—	—	—	—	5,939
Mobile Home Park	—	—	—	—	—	—	—	7,044

User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	1,855
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	25,118
Annual	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	228
General Office Building	—	—	—	—	—	—	—	79.0
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,395
Single Family Housing	—	—	—	—	—	—	—	983
Mobile Home Park	—	—	—	—	—	—	—	1,166
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	307
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	4,159

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Strip Mall	0.01	0.14	0.11	< 0.005	0.01	0.01	—	162
General Office Building	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	—	34.4
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

Single Family Housing	0.27	4.69	1.99	0.03	0.38	0.38	—	5,966
Mobile Home Park	0.19	3.25	1.38	0.02	0.26	0.26	—	4,139
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.47	8.10	3.52	0.05	0.65	0.65	—	10,301
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Strip Mall	0.01	0.14	0.11	< 0.005	0.01	0.01	—	162
General Office Building	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	—	34.4
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	0.27	4.69	1.99	0.03	0.38	0.38	—	5,966
Mobile Home Park	0.19	3.25	1.38	0.02	0.26	0.26	—	4,139
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.47	8.10	3.52	0.05	0.65	0.65	—	10,301
Annual	—	—	—	—	—	—	—	—
Strip Mall	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	26.8
General Office Building	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	—	5.70
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	0.05	0.86	0.36	0.01	0.07	0.07	—	988

Mobile Home Park	0.03	0.59	0.25	< 0.005	0.05	0.05	—	685
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.09	1.48	0.64	0.01	0.12	0.12	—	1,705

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Strip Mall	0.01	0.14	0.11	< 0.005	0.01	0.01	—	162
General Office Building	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	—	34.4
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	0.27	4.69	1.99	0.03	0.38	0.38	—	5,966
Mobile Home Park	0.19	3.25	1.38	0.02	0.26	0.26	—	4,139
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.47	8.10	3.52	0.05	0.65	0.65	—	10,301
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Strip Mall	0.01	0.14	0.11	< 0.005	0.01	0.01	—	162
General Office Building	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	—	34.4

Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	0.27	4.69	1.99	0.03	0.38	0.38	—	5,966
Mobile Home Park	0.19	3.25	1.38	0.02	0.26	0.26	—	4,139
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.47	8.10	3.52	0.05	0.65	0.65	—	10,301
Annual	—	—	—	—	—	—	—	—
Strip Mall	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	26.8
General Office Building	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	—	5.70
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Single Family Housing	0.05	0.86	0.36	0.01	0.07	0.07	—	988
Mobile Home Park	0.03	0.59	0.25	< 0.005	0.05	0.05	—	685
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	0.09	1.48	0.64	0.01	0.12	0.12	—	1,705

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hearths	0.69	0.01	0.76	< 0.005	0.10	0.10	—	1,854
Consumer Products	43.8	—	—	—	—	—	—	—
Architectural Coatings	4.26	—	—	—	—	—	—	—
Landscape Equipment	14.2	1.15	106	0.01	0.13	0.10	—	331
Total	63.0	1.15	106	0.01	0.23	0.20	—	2,184
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hearths	0.69	0.01	0.76	< 0.005	0.10	0.10	—	1,854
Consumer Products	43.8	—	—	—	—	—	—	—
Architectural Coatings	4.26	—	—	—	—	—	—	—
Total	48.8	0.01	0.76	< 0.005	0.10	0.10	—	1,854
Annual	—	—	—	—	—	—	—	—
Hearths	0.01	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	21.0
Consumer Products	8.00	—	—	—	—	—	—	—
Architectural Coatings	0.78	—	—	—	—	—	—	—
Landscape Equipment	1.28	0.10	9.51	< 0.005	0.01	0.01	—	27.0
Total	10.1	0.10	9.52	< 0.005	0.01	0.01	—	48.0

4.3.2. Mitigated

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

Source	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Hearths	0.69	0.01	0.76	< 0.005	0.10	0.10	—	1,854
Consumer Products	40.6	—	—	—	—	—	—	—

Architectural Coatings	4.26	—	—	—	—	—	—	—
Landscape Equipment	14.2	1.15	106	0.01	0.13	0.10	—	331
Total	59.7	1.15	106	0.01	0.23	0.20	—	2,184
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Hearths	0.69	0.01	0.76	< 0.005	0.10	0.10	—	1,854
Consumer Products	40.6	—	—	—	—	—	—	—
Architectural Coatings	4.26	—	—	—	—	—	—	—
Total	45.5	0.01	0.76	< 0.005	0.10	0.10	—	1,854
Annual	—	—	—	—	—	—	—	—
Hearths	0.01	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	21.0
Consumer Products	7.41	—	—	—	—	—	—	—
Architectural Coatings	0.78	—	—	—	—	—	—	—
Landscape Equipment	1.28	0.10	9.51	< 0.005	0.01	0.01	—	27.0
Total	9.47	0.10	9.52	< 0.005	0.01	0.01	—	48.0

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	290
General Office Building	—	—	—	—	—	—	—	237

Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	2,171
Single Family Housing	—	—	—	—	—	—	—	1,044
Mobile Home Park	—	—	—	—	—	—	—	539
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	4,281
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	290
General Office Building	—	—	—	—	—	—	—	237
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	2,171
Single Family Housing	—	—	—	—	—	—	—	1,044
Mobile Home Park	—	—	—	—	—	—	—	539
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	4,281
Annual	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	48.0
General Office Building	—	—	—	—	—	—	—	39.2
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	359

Single Family Housing	—	—	—	—	—	—	—	173
Mobile Home Park	—	—	—	—	—	—	—	89.2
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	709

4.4.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	290
General Office Building	—	—	—	—	—	—	—	237
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	2,171
Single Family Housing	—	—	—	—	—	—	—	1,044
Mobile Home Park	—	—	—	—	—	—	—	509
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	4,251
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	290

General Office Building	—	—	—	—	—	—	—	237
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	2,171
Single Family Housing	—	—	—	—	—	—	—	1,044
Mobile Home Park	—	—	—	—	—	—	—	509
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	4,251
Annual	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	48.0
General Office Building	—	—	—	—	—	—	—	39.2
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	359
Single Family Housing	—	—	—	—	—	—	—	173
Mobile Home Park	—	—	—	—	—	—	—	84.3
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	704

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	148
General Office Building	—	—	—	—	—	—	—	17.5
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,060
Single Family Housing	—	—	—	—	—	—	—	901
Mobile Home Park	—	—	—	—	—	—	—	1,144
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	3,271
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	148
General Office Building	—	—	—	—	—	—	—	17.5
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,060
Single Family Housing	—	—	—	—	—	—	—	901
Mobile Home Park	—	—	—	—	—	—	—	1,144
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	3,271

Annual	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	24.6
General Office Building	—	—	—	—	—	—	—	2.90
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	175
Single Family Housing	—	—	—	—	—	—	—	149
Mobile Home Park	—	—	—	—	—	—	—	189
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	541

4.5.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	148
General Office Building	—	—	—	—	—	—	—	17.5
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,060
Single Family Housing	—	—	—	—	—	—	—	901
Mobile Home Park	—	—	—	—	—	—	—	1,144
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	3,271
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	148
General Office Building	—	—	—	—	—	—	—	17.5
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	1,060
Single Family Housing	—	—	—	—	—	—	—	901
Mobile Home Park	—	—	—	—	—	—	—	1,144
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	3,271
Annual	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	24.6
General Office Building	—	—	—	—	—	—	—	2.90
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	175
Single Family Housing	—	—	—	—	—	—	—	149
Mobile Home Park	—	—	—	—	—	—	—	189
User Defined Industrial	—	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	0.00

Total	—	—	—	—	—	—	—	541

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	0.47	0.47
General Office Building	—	—	—	—	—	—	0.02	0.02
Single Family Housing	—	—	—	—	—	—	7.29	7.29
Mobile Home Park	—	—	—	—	—	—	2.28	2.28
Total	—	—	—	—	—	—	10.1	10.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	0.47	0.47
General Office Building	—	—	—	—	—	—	0.02	0.02
Single Family Housing	—	—	—	—	—	—	7.29	7.29
Mobile Home Park	—	—	—	—	—	—	2.28	2.28
Total	—	—	—	—	—	—	10.1	10.1
Annual	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	0.08	0.08
General Office Building	—	—	—	—	—	—	< 0.005	< 0.005
Single Family Housing	—	—	—	—	—	—	1.21	1.21
Mobile Home Park	—	—	—	—	—	—	0.38	0.38

Total	—	—	—	—	—	—	1.67	1.67

4.6.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	0.47	0.47
General Office Building	—	—	—	—	—	—	0.02	0.02
Single Family Housing	—	—	—	—	—	—	7.29	7.29
Mobile Home Park	—	—	—	—	—	—	2.28	2.28
Total	—	—	—	—	—	—	10.1	10.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	0.47	0.47
General Office Building	—	—	—	—	—	—	0.02	0.02
Single Family Housing	—	—	—	—	—	—	7.29	7.29
Mobile Home Park	—	—	—	—	—	—	2.28	2.28
Total	—	—	—	—	—	—	10.1	10.1
Annual	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	0.08	0.08
General Office Building	—	—	—	—	—	—	< 0.005	< 0.005
Single Family Housing	—	—	—	—	—	—	1.21	1.21
Mobile Home Park	—	—	—	—	—	—	0.38	0.38
Total	—	—	—	—	—	—	1.67	1.67

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—

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

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—

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

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

Vegetation	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—

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

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	ROG	NOx	CO	SO2	PM10T	PM2.5T	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	1/1/2011	2/11/2011	5.00	30.0	—
Site Preparation	Site Preparation	2/12/2011	2/29/2012	5.00	273	—
Grading	Grading	6/1/2011	6/30/2012	5.00	283	—
Building Construction	Building Construction	7/1/2012	12/1/2017	5.00	1,415	—
Paving	Paving	7/1/2012	12/1/2017	5.00	1,415	—
Architectural Coating	Architectural Coating	7/1/2013	12/1/2017	5.00	1,155	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	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	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	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/Backhoes	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
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	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	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	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/Backhoes	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
Demolition	—	—	—	—
Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	21.1	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
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	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	3.31	20.0	HHDT
Grading	Onsite truck	—	—	HHDT

Building Construction	—	—	—	—
Building Construction	Worker	1,065	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	259	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	213	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
Demolition	—	—	—	—
Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	21.1	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
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	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	3.31	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	1,065	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	259	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	213	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

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	2,706,271	902,090	1,055,801	351,934	141,134

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	55,000	—
Site Preparation	—	—	410	0.00	—
Grading	4,400	7,500	849	0.00	—
Paving	0.00	0.00	0.00	0.00	76.8

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Strip Mall	0.00	0%
General Office Building	0.00	0%
Unrefrigerated Warehouse-No Rail	0.00	0%
Single Family Housing	5.75	0%
Mobile Home Park	6.00	80%
Mobile Home Park	6.00	80%
User Defined Industrial	5.00	0%

Parking Lot	38.7	100%
Other Asphalt Surfaces	15.3	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2011	0.00	457	0.03	< 0.005
2012	0.00	457	0.03	< 0.005
2013	0.00	457	0.03	< 0.005
2014	0.00	457	0.03	< 0.005
2015	0.00	457	0.03	< 0.005
2016	0.00	457	0.03	< 0.005
2017	0.00	457	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Strip Mall	2,084	2,798	2,517	820,650	28,152	37,795	34,000	11,083,211
General Office Building	108	22.1	7.00	29,779	1,464	298	94.5	402,175
Unrefrigerated Warehouse-No Rail	1,709	2,798	2,517	722,868	23,087	37,795	34,000	9,762,619
Single Family Housing	4,613	4,587	4,236	1,662,731	69,195	68,805	63,540	24,940,961
Mobile Home Park	995	1,300	1,050	381,946	13,720	17,926	14,479	5,266,691
Mobile Home Park	637	832	672	244,446	9,552	12,480	10,080	3,666,686
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Strip Mall	2,084	2,798	2,517	820,650	28,152	37,795	34,000	11,083,211
General Office Building	108	22.1	7.00	29,779	1,464	298	94.5	402,175
Unrefrigerated Warehouse-No Rail	1,709	2,798	2,517	722,868	23,087	37,795	34,000	9,762,619
Single Family Housing	4,613	4,587	4,236	1,662,731	69,195	68,805	63,540	24,940,961
Mobile Home Park	995	1,300	1,050	381,946	13,720	17,926	14,479	5,266,691
Mobile Home Park	637	832	672	244,446	9,552	12,480	10,080	3,666,686
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Single Family Housing	—
Wood Fireplaces	25
Gas Fireplaces	0

Propane Fireplaces	0
Electric Fireplaces	26
No Fireplaces	52
Conventional Wood Stoves	0
Catalytic Wood Stoves	26
Non-Catalytic Wood Stoves	26
Pellet Wood Stoves	0
Mobile Home Park	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	25
No Fireplaces	50
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	320
No Fireplaces	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	25
Non-Catalytic Wood Stoves	25
Pellet Wood Stoves	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	16
Non-Catalytic Wood Stoves	16
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Single Family Housing	—
Wood Fireplaces	25
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	26
No Fireplaces	52
Conventional Wood Stoves	0
Catalytic Wood Stoves	26
Non-Catalytic Wood Stoves	26
Pellet Wood Stoves	0
Mobile Home Park	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	25
No Fireplaces	50
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	320
No Fireplaces	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	25
Non-Catalytic Wood Stoves	25
Pellet Wood Stoves	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	16

Non-Catalytic Wood Stoves	16
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
2706270.75	902,090	1,055,801	351,934	141,134

5.10.3. Landscape Equipment

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

5.10.4. Landscape Equipment - Mitigated

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Strip Mall	1,108,805	457	0.0330	0.0040	503,458
General Office Building	380,325	457	0.0330	0.0040	107,164
Unrefrigerated Warehouse-No Rail	6,706,220	457	0.0330	0.0040	0.00
Single Family Housing	4,875,085	457	0.0330	0.0040	18,564,572

Mobile Home Park	3,419,003	457	0.0330	0.0040	12,878,656
Mobile Home Park	2,188,162	457	0.0330	0.0040	0.00
User Defined Industrial	0.00	457	0.0330	0.0040	0.00
Parking Lot	1,476,736	457	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	457	0.0330	0.0040	0.00

5.11.2. Mitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Strip Mall	1,095,242	457	0.0330	0.0040	503,458
General Office Building	379,979	457	0.0330	0.0040	107,164
Unrefrigerated Warehouse-No Rail	6,706,220	457	0.0330	0.0040	0.00
Single Family Housing	4,727,548	457	0.0330	0.0040	18,564,572
Mobile Home Park	3,419,003	457	0.0330	0.0040	12,878,656
Mobile Home Park	2,188,162	457	0.0330	0.0040	0.00
User Defined Industrial	0.00	457	0.0330	0.0040	0.00
Parking Lot	1,476,736	457	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	457	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Strip Mall	5,555,439	52,297,012
General Office Building	1,777,337	52,297,012
Unrefrigerated Warehouse-No Rail	138,287,500	52,297,012
Single Family Housing	21,231,711	183,781,003

Mobile Home Park	20,336,888	8,212,444
Mobile Home Park	13,015,608	8,212,444
User Defined Industrial	0.00	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Strip Mall	5,555,439	52,297,012
General Office Building	1,777,337	52,297,012
Unrefrigerated Warehouse-No Rail	138,287,500	52,297,012
Single Family Housing	21,231,711	183,781,003
Mobile Home Park	20,336,888	4,536,536
Mobile Home Park	13,015,608	4,536,536
User Defined Industrial	0.00	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Strip Mall	78.8	—
General Office Building	9.30	—
Unrefrigerated Warehouse-No Rail	562	—
Single Family Housing	478	—
Mobile Home Park	370	—
Mobile Home Park	237	—

User Defined Industrial	0.00	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Strip Mall	78.8	—
General Office Building	9.30	—
Unrefrigerated Warehouse-No Rail	562	—
Single Family Housing	478	—
Mobile Home Park	370	—
Mobile Home Park	237	—
User Defined Industrial	0.00	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00

General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Mobile Home Park	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Mobile Home Park	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Mobile Home Park	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Mobile Home Park	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Mobile Home Park	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Mobile Home Park	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Mobile Home Park	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Mobile Home Park	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

5.15.2. Mitigated

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

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

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

5.16.2. Process Boilers

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

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

5.18.2.2. Mitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	21.5	annual days of extreme heat
Extreme Precipitation	0.50	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.23	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	2	3	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A

Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	3	2	3	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	5	2	3	3

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

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	6	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	3	1	6	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	5	1	6	N/A

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

6.4. Climate Risk Reduction Measures

6.4.1. Temperature and Extreme Heat

User Selected Measures	Co-Benefits Achieved	Exposure Reduction	Sensitivity Reduction	Adaptive Capacity Increase
D-3: Install Drought Resistant Landscaping	Water Conservation	—	2.00	2.00
EH-4: Enhance Building Envelope Efficiency	Energy and Fuel Savings, Improved Air Quality, Improved Public Health, Social Equity	—	—	3.00
MH-2: Use Climate-Resilient Design for Infrastructure	Enhanced Pedestrian or Traffic Safety, Improved Public Health, Water Conservation	—	1.00	1.00
MH-23: Landscape with Climate Considerations	Improved Ecosystem Health, Water Conservation	—	2.00	—
MH-28: Transition to Climate-Smart Energy	Enhanced Energy Security	—	3.00	3.00
MH-36: Decentralize and Localize Energy Production and Storage	Enhanced Energy Security, Improved Air Quality	—	2.00	3.00
EH-10: Install Covered Parking	Improved Air Quality, Improved Public Health	—	—	2.00

6.4.2. Drought

User Selected Measures	Co-Benefits Achieved	Exposure Reduction	Sensitivity Reduction	Adaptive Capacity Increase
D-1: Install Water Efficient Appliances	Social Equity, Water Conservation	—	—	1.00
D-2: Install Water Reuse Infrastructure	Water Conservation	—	—	1.00
D-3: Install Drought Resistant Landscaping	Water Conservation	—	2.00	2.00
D-7: Diversify Water Supply Sources	Improved Public Health, Social Equity	—	—	2.00
MH-23: Landscape with Climate Considerations	Improved Ecosystem Health, Water Conservation	—	2.00	—
MH-36: Decentralize and Localize Energy Production and Storage	Enhanced Energy Security, Improved Air Quality	—	2.00	3.00

6.4.3. Air Quality Degradation

User Selected Measures	Co-Benefits Achieved	Exposure Reduction	Sensitivity Reduction	Adaptive Capacity Increase
EH-4: Enhance Building Envelope Efficiency	Energy and Fuel Savings, Improved Air Quality, Improved Public Health, Social Equity	—	—	3.00
MH-36: Decentralize and Localize Energy Production and Storage	Enhanced Energy Security, Improved Air Quality	—	2.00	3.00
WF-2: Install Fire Suppression Systems and Improve Structural Strength	Improved Air Quality, Improved Public Health	—	1.00	—

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	77.1
AQ-PM	7.31
AQ-DPM	9.38
Drinking Water	67.0
Lead Risk Housing	31.7
Pesticides	95.0
Toxic Releases	3.14
Traffic	6.09
Effect Indicators	—
CleanUp Sites	22.6
Groundwater	0.00
Haz Waste Facilities/Generators	35.6

Impaired Water Bodies	97.5
Solid Waste	83.3
Sensitive Population	—
Asthma	21.2
Cardio-vascular	47.3
Low Birth Weights	53.8
Socioeconomic Factor Indicators	—
Education	96.2
Housing	77.2
Linguistic	99.1
Poverty	95.5
Unemployment	93.8

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	2.527909663
Employed	8.956756063
Median HI	7.262928269
Education	—
Bachelor's or higher	24.75298345
High school enrollment	22.50737842
Preschool enrollment	7.814705505
Transportation	—
Auto Access	49.51879892
Active commuting	13.6147825
Social	—

2-parent households	34.82612601
Voting	66.44424484
Neighborhood	—
Alcohol availability	91.1587322
Park access	5.389452072
Retail density	5.864237136
Supermarket access	2.399589375
Tree canopy	8.404978827
Housing	—
Homeownership	77.35146927
Housing habitability	8.956756063
Low-inc homeowner severe housing cost burden	12.29308354
Low-inc renter severe housing cost burden	61.6963942
Uncrowded housing	15.89888361
Health Outcomes	—
Insured adults	2.463749519
Arthritis	0.0
Asthma ER Admissions	63.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	81.1
Cognitively Disabled	76.7
Physically Disabled	74.5
Heart Attack ER Admissions	49.3

Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	39.9
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	16.3
Elderly	50.9
English Speaking	2.2
Foreign-born	93.3
Outdoor Workers	0.1
Climate Change Adaptive Capacity	—
Impervious Surface Cover	96.0
Traffic Density	2.2
Traffic Access	23.0
Other Indices	—
Hardship	97.8
Other Decision Support	—
2016 Voting	63.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	66.0
Healthy Places Index Score for Project Location (b)	6.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	EasternCoachellaValley

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

7.4. Health & Equity Measures

Measure Title	Co-Benefits Achieved
IC-2: Adopt Design Standards	Improved Air Quality, Social Equity
IC-3: Promotes Accessibility	Enhanced Pedestrian or Traffic Safety, Social Equity
IC-4: Enhanced Open and Green Spaces	Improved Ecosystem Health, Improved Public Health, Social Equity, Water Conservation
IC-7: Equal Access to Building Amenities	Social Equity
IC-8: Enhanced Access to Community Resources	Enhanced Food Security, Social Equity

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	See TRSP AQ/GHG report Table 6-15 Alternative D CalEEMod Land Use Assumptions. Assumes average RV is 500 SF.
Construction: Construction Phases	Operational/buildout year consistent with Traffic Impact Analysis.
Construction: Paving	Assumes 12 acres of hardscape for workforce housing. 5 acres of off site water tank location will be permanently disturbed, assumes paved.

Operations: Vehicle Data	Total of 10,159 weekday trips, 12,367 Saturday trips, and 11,013 Sunday Trips and per TIA. Assumes no H-O trips for RV residents (mobile home 320 units) who work on-site. For residential trip lengths, the distances for H-S and H-O were increased to 15 miles due to the elimination of onsite commercial retail previously proposed on-site. Residents will need to travel farther distances for shopping and other services.
Operations: Hearths	Assumes wood burning fireplaces are limited to single family estates. Workforce housing will not have wood burning hearths. No wood burning stoves proposed.
Operations: Energy Use	All new development will be built to Title 24 standards. RV park does not use natural gas. Assumes 600 kWh per RV per month. The equestrian stables (unrefrigerated warehouse) do not use natural gas.

Appendix B

Riverside County Climate Action Plan Screening Tables
prepared by
Terra Nova Planning & Research, Inc.

Table 1: Screening Table for GHG Implementation Measures for Residential Development: Thermal Ranch Specific Plan

Feature	Description	Assigned Point Values	Project Points
Reduction Measure R2-EE5: Exceed Energy Efficiency Standards in New Residential Units			
EE5.A Building Envelope			
EE5.A.1 Insulation	• 2016 Title 24 Requirements (walls R-13, roof/attic R-30) • Modestly Enhanced Insulation (walls R-15, roof/attic R-38) • Enhanced Insulation (rigid wall insulation R-13, roof/attic R-38) • Greatly Enhanced Insulation (spray foam wall insulated walls R-18 or higher, roof/attic R-38 or higher) *Explanation: The Project will satisfy this measure by adhering to the 2022 Title 24 Update which requires interior walls to be minimum R-13 and ceiling insulation to be R-38. Same applies to Alternatives A, B and D.*	0 points 7 points 9 points 11 points	9
EE5.A.2 Windows	• 2016 Title 24 Windows (0.57 U-factor, 0.4 solar heat gain coefficient [SHGC]) • Modestly Enhanced Window (0.4 U-Factor, 0.32 SHGC) • Enhanced Window (0.32 U-Factor, 0.25 SHGC) • Greatly Enhanced Window (0.28 or less U-Factor, 0.22 or less SHGC) *Explanation: The Project will satisfy this measure by adhering to the 2022 Title 24 Update which requires the maximum U-factor for windows to be 0.30. Same applies to Alternatives A, B and D.*	0 points 3 points 4 points 5 points	4
EE5.A.3 Cool Roofs	• Modest Cool Roof (CRRC Rated 0.15 aged solar reflectance, 0.75 thermal emittance) • Enhanced Cool Roof (CRRC Rated 0.2 aged solar reflectance, 0.75 thermal emittance) • Greatly Enhanced Cool Roof (CRRC Rated 0.35 aged solar reflectance, 0.75 thermal emittance) *Explanation: The Project will satisfy this measure by adhering to the current Building Energy Efficiency Standards for residential development within climate zone 15, which requires a solar reflectance of 0.2 and a thermal emittance of 0.75 (steep- sloped) and a solar reflectance of 0.63 and a thermal emittance of 0.75 (low-sloped). Same applies to Alternatives A, B and D.*	6 points 7 points 8 points	7
EE5.A.4 Air Infiltration	Minimizing leaks in the building envelope is as important as the insulation properties of the building. Insulation does not work effectively if there is excess air leakage. • Air barrier applied to exterior walls, caulking, and visual inspection such as the HERS Verified Quality Insulation Installation (QII or equivalent) • Blower Door HERS Verified Envelope Leakage or equivalent	6 points 5 points	
EE5.A.5 Thermal Storage of Building	Thermal storage is a design characteristic that helps keep a constant temperature in the building. Common thermal storage devices include strategically placed water filled columns, water storage tanks, and thick masonry walls. • Modest Thermal Mass (10% of floor or 10% of walls 12" or more thick exposed concrete or masonry with no permanently installed floor covering such as carpet, linoleum, wood, or other insulating materials) • Enhanced Thermal Mass (20% of floor or 20% of walls 12" or more thick exposed concrete or masonry with no permanently installed floor covering such as carpet, linoleum, wood, or other insulating materials)	1 points 2 points	

Feature	Description	Assigned Point Values	Project Points
EE5.B Indoor Space Efficiencies			
EE5.B.1 Heating/ Cooling Distribution System	• Minimum Duct Insulation (R-4.2 required) • Modest Duct insulation (R-6) • Enhanced Duct Insulation (R-8) • Distribution loss reduction with inspection (HERS Verified Duct Leakage or equivalent) *Explanation: The Project will satisfy this measure by adhering to the 2022 Energy Code Insulation and QII Requirements which requires duct insulated to R-6 or R-8. Same applies to Alternatives A, B and D.*	0 points 4 points 5 points 7 points	4
EE5.B.2 Space Heating/ Cooling Equipment	• 2016 Title 24 Minimum HVAC Efficiency (SEER 13/75% AFUE or 7.7 HSPF) • Improved Efficiency HVAC (SEER 14/78% AFUE or 8 HSPF) • High Efficiency HVAC (SEER 15/80% AFUE or 8.5 HSPF) • Very High Efficiency HVAC (SEER 16/82% AFUE or 9 HSPF) *Explanation: Future buildout of the Specific Plan will at a minimum be built to 2022 Title 24 Standards. As of 2023, all air conditioning units installed in California must hve a minimum efficiency rating of 15 SEER or higher. Same applies to Alternatives A, B and D.*	0 points 2 points 4 points 5 points	4
EE5.B.3 Water Heaters	• 2016 Title 24 Minimum Efficiency (0.57 Energy Factor) • Improved Efficiency Water Heater (0.675 Energy Factor) • High Efficiency Water Heater (0.72 Energy Factor) • Very High Efficiency Water Heater (0.92 Energy Factor) • Solar Pre-heat System (0.2 Net Solar Fraction) • Enhanced Solar Pre-heat System (0.35 Net Solar Fraction) *Explanation: The Project will satisfy this measure as typical gas storage water heaters have uniform energy factor (UEF) of 0.60-0.76, electric storage water heaters approximately 0.90, and gas instantaneous units approximately 0.80-0.94. Same applies to Alternatives A, B and D.*	0 points 7 points 9 points 11 points 2 points 5 points	7
EE5.B.4 Daylighting	Daylighting is the ability of each room within the building to provide outside light during the day reducing the need for artificial lighting during daylight hours. • All peripheral rooms within the living space have at least one window (required) • All rooms within the living space have daylight (through use of windows, solar tubes, skylights, etc.) • All rooms daylighted *Explanation: All residential buildings will provide daylight to all rooms within the living space. Same applies to Alternatives A, B and D.*	0 points 1 point 1 point	1
EE5.B.5 Artificial Lighting	• Efficient Lights (25% of in-unit fixtures considered high efficacy. High efficiency is defined as 40 lumens/watt for 15 watt or less fixtures; 50 lumens/watt for 15- 40 watt fixtures, 60 lumens/watt for fixtures >40watt) • High Efficiency Lights (50% of in-unit fixtures are high efficiency) • Very High Efficiency Lights (100% of in-unit fixtures are high efficiency) *Explanation: The project will satisfy this measure by adhering to the requirements of the current CalGreen Building Code Section 150(k) 1A which requires all luminaries or light sources be high efficacy and by permanently installing lighting within the interior common areas in the buildings that are high efficacy luminaries, controlled by an occupant sensor. Same applies to Alternatives A, B and D.*	5 points 6 points 7 points	6

EE5.B.6 Appliances	• Energy Star Refrigerator (new) • Energy Star Dishwasher (new) • Energy Star Washing Machine (new) *Explanation: This measure is complied with as the homes will have at least one to two Energy Star Appliance. Same applies to Alternatives A, B and D.*	1 point 1 point 1 point	2
EE5.C Miscellaneous Residential Building Efficiencies			
EE5.C.1 Building Placement	North/south alignment of building or other building placement such that the orientation of the buildings optimizes natural heating, cooling, and lighting.	3 points	
EE5.C2 Shading	At least 90% of south-facing glazing will be shaded by vegetation or overhangs at noon on June 21st.	2 points	
EE5.C3 Energy Star Homes	EPA Energy Star for Homes (version 3 or above)	15 points	
EE5.C.4 Independent Energy Efficiency Calculations	Provide point values based upon energy efficiency modeling of the project. Note that engineering data will be required documenting the energy efficiency and point values based upon the proven efficiency beyond Title 24 Energy Efficiency Standards.	TBD	
EE5.C.5 Other	This allows innovation by the applicant to provide design features that increase the energy efficiency of the project not provided in the table. Note that engineering data will be required documenting the energy efficiency of innovative designs and point values given based upon the proven efficiency beyond Title 24 Energy Efficiency Standards.	TBD	
EE5.C.6 Existing Residential Retrofits	The applicant may wish to provide energy efficiency retrofit projects to existing residential dwelling units to further the point value of their project. Retrofitting existing residential dwelling units within the unincorporated County is a key reduction measure that is needed to reach the reduction goal. The potential for an applicant to take advantage of this program will be decided on a case-by-case basis and shall have the approval of the Riverside County Planning Department. The decision to allow applicants the ability to participate in this program will be evaluated based upon, but not limited to, the following: • Will the energy efficiency retrofit project benefit low income or disadvantaged residents? • Does the energy efficiency retrofit project provide co-benefits important to the County? • Point value will be determined based upon engineering and design criteria of the energy efficiency retrofit project.	TBD	
Reduction Measure R2-CE1: Clean Energy			
CE1.A Residential Renewable Energy Generation			
CE1.A.1 Photovoltaic	Solar Photovoltaic panels installed on individual homes or in collective neighborhood arrangements such that the total power provided augments: • 30 percent of the power needs of the project • 40 percent of the power needs of the project • 50 percent of the power needs of the project • 60 percent of the power needs of the project • 70 percent of the power needs of the project • 80 percent of the power needs of the project • 90 percent of the power needs of the project • 100 percent of the power needs of the project *Explanation: Consistent with Clean Energy Measure R2-CE1 provided in the CAP, the Project will be responsible for producing renewable energy on-site meeting at least 30 percent of energy demand for single-family residential development. Same applies to Alternatives A, B and D.*	9 points 12 points 17 points 20 points 23 points 25 points 28 points 31 points	9

CE1.A.2 Wind Turbines	Some areas of the County lend themselves to wind turbine applications. Analysis of the areas' capability to support wind turbines should be evaluated prior to choosing this feature. Individual wind turbines at homes or collective neighborhood arrangements of wind turbines such that the total power provided augments: • 30 percent of the power needs of the project • 40 percent of the power needs of the project • 50 percent of the power needs of the project • 60 percent of the power needs of the project • 70 percent of the power needs of the project • 80 percent of the power needs of the project • 90 percent of the power needs of the project • 100 percent of the power needs of the project	9 points 12 points 17 points 21 points 23 points 25 points 28 points 31 points	
CE1.A.3 Off-site Renewable Energy Project	The applicant may submit a proposal to supply an off-site renewable energy project such as renewable energy retrofits of existing homes. These off-site renewable energy retrofit project proposals will be determined on a case-by-case basis and shall be accompanied by a detailed plan that documents the quantity of renewable energy the proposal will generate. Point values will be determined based upon the energy generated by the proposal.	TBD	
CE1.A.4 Other Renewable Energy Generation	The applicant may have innovative designs or unique site circumstances (such as geothermal) that allow the project to generate electricity from renewable energy not provided in the table. The ability to supply other renewable energy and the point values allowed will be decided based upon engineering data documenting the ability to generate electricity.	TBD	
Reduction Measure R2-W2: Exceed Water Efficiency Standards			
W2.A Residential Irrigation and Landscaping			
W2.A.1 Water Efficient Landscaping	• Limit conventional turf to < 25% of required landscape area • Limit conventional turf to < 50% of required landscape area • No conventional turf (warm season turf to < 50% of required landscape area and/or low water using plants are allowed) • Only California Native Plants that requires no irrigation or some supplemental • Irrigation *Explanation: The Project will satisfy this measure as the Specific Plan requires landscape in accordance with CVAG Ordinance 1302.1, Landscape and Irrigation System Design Criteria. This will ensure additional water conservation through the use of desert appropriate landscape material. The plant palette throughout the Specific Plan area shall utilize a low maintenance and low water palette. Same applies to Alternatives A, B and D.*	0 points 2 points 4 points 5 points	2
W2.A.2 Water Efficient irrigation systems	• Low precipitation spray heads < .75"/hr or drip irrigation • Weather based irrigation control systems or moisture sensors (demonstrate 20% reduced water use) *Explanation: The landscaping and irrigation plans and system shall comply with all County ordinances relating to water efficiency and shall be an automatic system with an irrigation timer and two drip or bubbler heads per tree to produce deep root irrigation. The water use calculations for this system will be prepared and submitted per Coachella Valley Water District (CVWD) irrigation design requirements. Same applies to Alternatives A, B and D.*	1 point 2 points	1
W2.A.3 Storm water Reuse Systems	Innovative on-site stormwater collection, filtration, and reuse systems are being developed that provide supplemental irrigation water and provide vector control. These systems can greatly reduce the irrigation needs of a project. Point values for these types of systems will be determined based upon design and engineering data documenting the water savings.	TBD	

W2.B Residential Potable Water			
W2.B.1 Showers	Water Efficient Showerheads (2.0 gpm) *Explanation: The Project will satisfy this measure by adhering to the requirements of the current CalGreen Building Code Section 4.303.1.3 by installing showerheads not exceeding 1.8 gpm. Same applies to Alternatives A, B and D.*	2 points	2
W2.B.2 Toilets	Water Efficient Toilets (1.5 gpm) *Explanation: The Project will satisfy this measure by adhering to the requirements of the current CalGreen Building Code Section 4.303.1.1 by installing toilets not exceeding 1.28 gpm. Same applies to Alternatives A, B and D.*	2 points	2
W2.B.3 Faucets	Water Efficient faucets (1.28 gpm) *Explanation: The Project will satisfy this measure by adhering to the requirements of the current CalGreen Building Code Section 4.303.1.4 by installing faucets (lavatory) not exceeding 1.2 gpm. Same applies to Alternatives A, B and D.*	2 points	2
W2.B.4 Dishwasher	Water Efficient Dishwasher (6 gallons per cycle or less) *Explanation: The Project will satisfy this measure by adhering to the requirements of the current CalGreen Building Code Section 110.1 to install dishwashers that meet or exceed the ENERGY STAR Program requirements. Same applies to Alternatives A, B and D.*	1 point	1
W2.B.5 Washing Machine	Water Efficient Washing Machine (Water factor <5.5) *Explanation: Compliant to the current Building Codes, buildings required to house Energy Star appliances. Additionally, The Project will satisfy this measure by adhering to the Riverside County General Plan Energy Efficiency and Conservation policy AQ 5.2 which adopts incentives and/or regulations to enact energy conservation requirements for private and public developments. Same applies to Alternatives A, B and D.*	1 point	1
W2.B.6 WaterSense	EPA WaterSense Certification	7 points	
W2.C Increase Residential Reclaimed Water Use			
W2.C.1 Recycled Water	5% of the total project's water use comes from recycled/reclaimed water	5 points	
Reduction Measure R2-T1: Alternative Transportation Options			
T1.A Increase Residential Density			
T1.A.1 Residential Density	Designing the project with increased densities, where allowed by the General Plan and/or Zoning Ordinance, reduces GHG emissions associated with traffic in several ways. Increased densities affect the distance people travel and provide greater options for the modes of travel they choose. This strategy also provides a foundation for implementation of many other strategies which would benefit from increased densities. • 1 point is allowed for each 10% increase in density beyond 7 units/acre, up to 500% (50 points) *Explanation: The Project site is currently zoned for Agriculture (A-2-10) and Controlled Development (W-2). Under the existing zoning, development of four parcels making up the subject site (751-020-002, -003, -006, and -007) at the maximum permitted density would result in a total of 148 units (1 primary residence and 36 units of agricultural employee housing per parcel) for a total density of 0.24 units/acre (148 units/620 acres). The Thermal Ranch Specific*	1–50 points	29

	Plan proposes five residential planning areas:
	
	• *Planning Area 2, Estate Residential: 194.1 AC*
	  ○ *Proposed Project: 132 DU, 0.68 DU/AC density.* ***Does not exceed 7 DU/AC = 0 points.***
	  ○ *Alternative A: 388 DU, 1.99 DU/AC.* ***Does not exceed 7 DU/AC = 0 points.***
	  ○ *Alternative B: 39 DU, 0.20 DU/AC.* ***Does not exceed 7 DU/AC = 0 points.***
	  ○ *Alternataive D: 100 DU, 0.5 DU/AC.* ***Does not exceed 7 DU/AC = 0 points.***
	
	• *Planning Area 3, Single Family: 69.5 AC*
	  ○ *Proposed Project: 390 DU, 5.61 DU/AC density.* ***Does not exceed 7 DU/AC = 0 points.***
	  ○ *Alternative A: 605 DU, 8.70 DU/AC.* ***Exceeds 7 DU/AC by 24.2% = 2 points.***
	  ○ *Alternative B: 139 DU, 2 DU/AC.* ***Does not exceed 7 DU/AC = 0 points.***
	  ○ *Alternative D: 390 DU, 5.61 DU/AC density.* ***Does not exceed 7 DU/AC = 0 points.***
	
	• *Planning Area 4a, Workforce Housing: 18.3 AC*
	  ○ *Project and Alternatives A, B and D: 500 DU, 27.32 DU/AC density.* ***Exceeds 7 DU/AC by 290%***
	
	• *Planning Area 4b, Workforce Housing: 22.8 AC*
	  ○ *Project and Alternatives A, B and D: 320 DU, 14.03 DU/AC density.* ***Exceeds 7 DU/AC by 100%***
	
	• *Planning Area 5a, Resort Condos: 42.1 AC*
	  ○ *Proposed Project: 340 DU, 8.07 DU/AC.* ***Exceeds 7 DU/AC by 15%***
	  ○ *Alternative A: 505 DU, 11.99 DU/AC.* ***Exceeds 7 DU/AC by 71.28% = 7 points.***
	  ○ *Alternative B: 210 DU, 4.98 DU/AC.* ***Does not exceed 7 DU/AC = 0 points.***
	  ○ *Alternative D: 23 DU, 0.41 DU/AC (Assumes AC for all PA-5, 54.4 AC).* ***Does not exceed 7 DU/AC = 0 points.***
	• *Planning Area 6: 21.4 AC*
	  ○ *Proposed Project and Alternatives A and B do not proposed residential.* ***0 points.***
	  ○ *Alternative D: 9 DU, 0.41 DU/AC.* ***Does not exceed 7 DU/AC = 0 points.***
	
	As shown above, and under all alternatives, the highest density proposed in the Specific Plan is in Planning Area 4a with 27.32 DU/AC, which is a 290% increase over the 7 DU/AC. Therefore, the maximum points earned for the Proposed Project and Alternatives A, B and D is 29 points.		

T1.B Mixed-Use Development

T1.B.1 Mixed- Use	Mixes of land uses that complement one another in a way that reduces the need for vehicle trips can greatly reduce GHG emissions. The point value of mixed-use projects will be determined based upon a Transportation Impact Analysis (TIA) demonstrating trip reductions and/or reductions in vehicle miles traveled. Suggested ranges: • Diversity of land uses complementing each other (2–28 points) • Increased destination accessibility other than transit (1–18 points) • Increased Transit Accessibility (1–25 points) • Infill location that reduces vehicle trips or VMT beyond the measures described above (points TBD based on traffic data).	TBD	28 (Alt D: 14)

	Explanation: According to the Project-specific TIA, interactions between land uses will reduce total trip generation by 12,096 trips per day. Using CalEEMod Version 2022.1, it is estimated that this reduction in trip generation reduces GHG emissions by approximately 89,510 lbs of CO_2e per day or 14,819 MT CO_2e per year. Same mix of land uses are proposed for Alternatives A and B, therefore similar trip reductions are anticipated. Alternative D does no propose the retail commercial center or hotel and resort uses, therefore the mix of land uses is not as diverse and would not receive full points. Alternative D will receive half the points (14) for diversity of land uses because the residential planning areas could still benefit to some degree from the equestrian uses, including as employment.		
T1.B.2 Residential Near Local Retail (Residential only Projects)	Having residential developments within walking and biking distances of local retail helps to reduce vehicle trips and/or vehicle miles traveled. The point value of residential projects in close proximity to local retail will be determined based upon traffic studies that demonstrate trip reductions and/or reductions in vehicle miles traveled (VMT) The suburban project will have at least three of the following on site and/or off site within ¼-mile: Residential Development, Retail Development, Park, Open Space, or Office. The mixed-use development should encourage walking and other non-auto modes of transport from residential to office/commercial locations (and vice versa). The project should minimize the need for external trips by including services/facilities for daycare, banking/ATM, restaurants, vehicle refueling, and shopping. *Explanation: The Specific Plan proposes five residential planning areas that will be located within proximity to commercial/retail and recreational uses. In addition, Planning Area 4 proposes up to 820 units of on-site workforce housing that will reduce home-to-work trips. According to the Project-specific TIA, interactions between land uses will reduce total trip generation by 12,096 trips per day. Same mix of land uses are proposed for Alternatives A and B, therefore similar trip reductions are anticipated. Definitive point values have not been assigned to this item, therefore points have been assigned conservatively. Alternative D does no propose the retail commercial center or hotel and resort uses, therefore Alternative D receives no points.*	1–16 points	4 Alt D: 0
T1.C Traffic Flow Management Improvements			
T1.C.1 Signal Synchronization	Techniques for improving traffic flow include: traffic signal coordination to reduce delay, incident management to increase response time to breakdowns and collisions, Intelligent Transportation Systems (ITS) to provide real-time information regarding road conditions and directions, and speed management to reduce high free-flow speeds. • Signal synchronization • Traffic signals connected to existing ITS	1 point/signal 3 points/signal	
T1.D Increase Public Transit			
T1.D.1 Public Transit Access	The point value of a projects ability to increase public transit use will be determined based upon a Transportation Impact Analysis (TIA) demonstrating decreased use of private vehicles and increased use of public transportation. • Increased transit accessibility (1–15 points)	TBD	
Reduction Measure R2-T2: Adopt and Implement a Bicycle Master Plan to Expand Bike Routes around the County			

T2.A.1 Sidewalks	• Provide sidewalks on one side of the street (required) • Provide sidewalks on both sides of the street • Provide pedestrian linkage between residential and commercial uses within 1 mile	0 points 1 point 3 points	
T2.A.2 Bicycle paths	• Provide bicycle paths within project boundaries • Provide bicycle path linkages between residential and other land uses • Provide bicycle path linkages between residential and transit *Explanation: Class I Bike Lanes are proposed on Harrison Street, 62nd Avenue, and Tyler Street. A regional trail/Class I bike lane is also proposed on 64th Avenue. Bikes are expected to be utilized within the Project especially from residential to horse park activities. Same applies to Alternatives A, B and D.*	TBD 2 points 5 points	2

Feature	Description	Assigned Point Values	Project Points
Reduction Measure R2-T4: Electrify the Fleet			
T4.A.1 Electric Vehicle Recharging	• Provide circuit and capacity in garages of residential units for use by an electric vehicle. Charging stations are for on-road electric vehicles legally able to drive on all roadways including Interstate Highways and freeways. • Install electric vehicle charging stations for each residential unit included in the project. Projects that include charging stations for fewer than all units shall receive points on a proportional basis. *Explanation: The Project will satisfy this measure by adhering to the requirements of the current CalGreen Building Code Section 4.106.4.1 and 4.106.4.2. Same applies to Alternatives A, B and D.*	1 point 8 points	1
T4.A.2 Neighborhood Electric Vehicle (NEV) Infrastructure	NEVs are electric vehicles usually built to have a top speed of 25 miles per hour, and a maximum loaded weight of 3,000 pounds. • Provide NEV safe routes within project site. • Provide NEV safe routes between the project site and other land uses. *Explanation: Per the Thermal Ranch Specific Plan, the Project will provide a network of internal trails for golf carts, other NEVs, as well as other modes of active transportation. Same applies to Alternatives A, B and D.*	4 points 5 points	4
Reduction Measure R2-S1: Reduce Waste to Landfills			
S1.A.1 Recycling	County initiated recycling program diverting 100% of waste requires coordination in neighborhoods to realize this goal. The following recycling features will help the County fulfill this goal: • Provide green waste composting bins at each residential unit • Multi-family residential projects that provide dedicated recycling bins separated by types of recyclables combined with instructions/education program explaining how to use the bins and the importance or recycling *Explanation: Composting bins will be provided to all residential units. Dedicated recycling bins will be provide to multi-family residential portions of the Thermal Ranch project. Same applies to Alternatives A, B and D.*	4 points 3 points	7
Other GHG Reduction Feature Implementation			
O.A.1 Other GHG Emissions Reduction Features	This allows innovation by the applicant to provide residential design features for the GHG emissions from construction and/or operation of the project not provided in the table. Note that engineering data will be required documenting the GHG reduction amount and point values given based upon emission reductions calculations using approved models, methods, and protocols.	TBD	
Points Earned by Residential Project (before weighting):			P, A, B[1]: 139 Alt D:111
Subtotal - Points Earned by Residential Portion of Mixed-Use Project: (Weighted based on 50% of Project acreage used for residential development)			P, A, B: **69.5** Alt D:**55.5**

1. P = Proposed Project, A = Alt A, B = Alt B

Table 2: Screening Table for GHG Implementation Measures for Commercial Development and Public Facilities

Feature	Description	Assigned Point Values	Project Points
Reduction Measure R2-EE10: Exceed Energy Efficiency Standards in New Commercial Units			
EE10.A Building Envelope			
EE10.A.1 Insulation	• 2017 Title 24 Requirements (walls R-13; roof/attic R-30) • Modestly Enhanced Insulation (walls R-13, roof/attic R-38) • Enhanced Insulation (rigid wall insulation R-13, roof/attic R-38) • Greatly Enhanced Insulation (spray foam insulated walls R-15 or higher, roof/attic R-38 or higher *Explanation: The Project will satisfy this measure by adhering to, at minimum, the 2022 Title 24 Update. Same applies to Alternatives A, B and D.*	0 points 9 points 11 points 12 points	9
EE10.A.2 Windows	• 2016 Title 24 Windows (0.57 U-factor, 0.4 SHGC) • Modestly Enhanced Window Insulation (0.4 U-factor, 0.32 SHGC) • Enhanced Window Insulation (0.32 U-factor, 0.25 SHGC) • Greatly Enhanced Window Insulation (0.28 or less U-factor, 0.22 or less SHGC) *Explanation: The Project will satisfy this measure by adhering to the 2022 Title 24 Update which requires the maximum U-factor for windows to be 0.30. Same applies to Alternatives A, B and D.*	0 points 4 points 5 points 7 points	4
EE10.A.3 Cool Roofs	• Modest Cool Roof (CRRC Rated 0.15 aged solar reflectance, 0.75 thermal emittance) • Enhanced Cool Roof (CRRC Rated 0.2 aged solar reflectance, 0.75 thermal emittance) • Greatly Enhanced Cool Roof (CRRC Rated 0.35 aged solar reflectance, 0.75 thermal emittance) *Explanation: The Project will satisfy this measure by adhering to the current Building Energy Efficiency Standards for residential development within climate zone 15, which requires a solar reflectance of 0.2 and a thermal emittance of 0.75 (steep- sloped) and a solar reflectance of 0.63 and a thermal emittance of 0.75 (low-sloped). Same applies to Alternatives A, B and D.*	7 points 8 points 10 points	7
EE10.A.4 Air Infiltration	Minimizing leaks in the building envelope is as important as the insulation properties of the building. Insulation does not work effectively if there is excess air leakage. • Air barrier applied to exterior walls, calking, and visual inspection such as the HERS Verified Quality Insulation Installation (QII or equivalent) • Blower Door HERS Verified Envelope Leakage or equivalent	7 points 6 points	
EE10.A.5 Thermal Storage of Building	Thermal storage is a design characteristic that helps keep a constant temperature in the building. Common thermal storage devices include strategically placed water filled columns, water storage tanks, and thick masonry walls. • Modest Thermal Mass (10% of floor or 10% of walls 12" or more thick exposed concrete or masonry with no permanently installed floor covering such as carpet, linoleum, wood, or other insulating materials) • Enhanced Thermal Mass (20% of floor or 20% of walls 12" or more thick exposed concrete or masonry with no permanently installed floor covering such as carpet, linoleum, wood, or other insulating materials) • Enhanced Thermal Mass (80% of floor or 80% of walls 12" or more thick exposed concrete or masonry with no permanently installed floor covering such as carpet, linoleum, wood, or other insulating materials)	2 points 4 points 14 points	

Feature	Description	Assigned Point Values	Project Points
EE10.B Indoor Space Efficiencies			
EE10.B.1 Heating/ Cooling Distribution System	• Minimum Duct Insulation (R-4.2 required) • Modest Duct insulation (R-6) • Enhanced Duct Insulation (R-8) • Distribution loss reduction with inspection (HERS Verified Duct Leakage or equivalent) *Explanation: The Project will satisfy this measure by adhering to the 2022 Energy Code Insulation and QII Requirements which requires duct insulated to R-6 or R-8. Same applies to Alternatives A, B and D.*	0 points 5 points 6 points 8 points	4
EE10.B.2 Space Heating/ Cooling Equipment	• 2016 Title 24 Minimum HVAC Efficiency (EER 13/75% AFUE or 7.7 HSPF) • Improved Efficiency HVAC (EER 14/78% AFUE or 8 HSPF) • High Efficiency HVAC (EER 15/80% AFUE or 8.5 HSPF) • Very High Efficiency HVAC (EER 16/82% AFUE or 9 HSPF) *Explanation: The Project will satisfy this measure by adhering to the 2022 Energy Code. Same applies to Alternatives A, B and D.*	0 points 4 points 5 points 7 points	4
EE10.B.3 Commercial Heat Recovery Systems	Heat recovery strategies employed with commercial laundry, cooking equipment, and other commercial heat sources for reuse in HVAC air intake or other appropriate heat recovery technology. Point values for these types of systems will be determined based upon design and engineering data documenting the energy savings.	TBD	
EE10.B.4 Water Heaters	• 2016 Title 24 Minimum Efficiency (0.57 Energy Factor) • Improved Efficiency Water Heater (0.675 Energy Factor) • High Efficiency Water Heater (0.72 Energy Factor) • Very High Efficiency Water Heater (0.92 Energy Factor) • Solar Pre-heat System (0.2 Net Solar Fraction) • Enhanced Solar Pre-heat System (0.35 Net Solar Fraction) *Explanation: The Project will satisfy this measure as typical gas storage water heaters have uniform energy factor (UEF) of 0.60-0.76, electric storage water heaters approximately 0.90, and gas instantaneous units approximately 0.80-0.94. Same applies to Alternatives A, B and D.*	0 points 8 points 10 points 11 points 2 points 5 points	8
EE10.B.5 Daylighting	Daylighting is the ability of each room within the building to provide outside light during the day reducing the need for artificial lighting during daylight hours. • All peripheral rooms within building have at least one window or skylight • All rooms within building have daylight (through use of windows, solar tubes, skylights, etc.) • All rooms daylighted	0 points 1 point 1 point	
EE10.B.6 Artificial Lighting	• Efficient Lights (25% of in-unit fixtures considered high efficiency. High efficiency is defined as 40 lumens/watt for 15 watt or less fixtures; 50 lumens/watt for 15-40 watt fixtures, 60 lumens/watt for fixtures >40watt) • High Efficiency Lights (50% of in-unit fixtures are high efficiency) • Very High Efficiency Lights (100% of in-unit fixtures are high efficiency) *Explanation: The project will satisfy this measure by adhering to the requirements of the current CalGreen Building Code Section 150(k) 1A which requires all luminaries or light sources be high efficacy and by permanently installing lighting within the interior common areas in the buildings that are high efficacy luminaries, controlled by an occupant sensor. Same applies to Alternatives A, B and D.*	5 points 7 points 8 points	7

EE10.B.7 Appliances	• Energy Star Commercial Refrigerator (new) • Energy Star Commercial Dishwasher (new) • Energy Star Commercial Clothes Washer *Explanation: This measure is complied with as the non-residential uses will have at least one Energy Star Appliance. Same applies to Alternatives A, B and D.*	2 points 2 points 2 points	1
EE10.C Miscellaneous Commercial Building Efficiencies			
EE10.C.1 Building Placement	North/south alignment of building or other building placement such that the orientation of the buildings optimizes conditions for natural heating, cooling, and lighting.	4 points	
EE10.C.2 Shading	At least 90% of south-facing glazing will be shaded by vegetation or overhangs at noon on Jun 21st.	6 points	
EE10.C.3 Other	This allows innovation by the applicant to provide design features that increase the energy efficiency of the project not provided in the table. Note that engineering data will be required documenting the energy efficiency of innovative designs and point values given based upon the proven efficiency beyond Title 24 Energy Efficiency Standards.	TBD	
EE10.C.4 Existing Commercial Buildings Retrofits	The applicant may wish to provide energy efficiency retrofit projects to existing commercial buildings to further the point value of their project. Retrofitting existing commercial buildings within the unincorporated County is a key reduction measure that is needed to reach the reduction goal. The potential for an applicant to take advantage of this program will be decided on a case-by-case basis and shall have the approval of the Riverside County Planning Department. The decision to allow applicants to participate in this program will be evaluated based upon, but not limited to, the following: • Will the energy efficiency retrofit project benefit low income or disadvantaged communities? • Does the energy efficiency retrofit project provide co-benefits important to the County? • Point value will be determined based upon engineering and design criteria of the energy efficiency retrofit project.	TBD	
Reduction Measure R2-CE1: Clean Energy			
CE1.B Commercial/Industrial Renewable Energy Generation			
CE1.B.1 Photovoltaic	Solar Photovoltaic panels installed on commercial buildings or in collective arrangements within a commercial development such that the total power provided augments: • 30 percent of the power needs of the project • 40 percent of the power needs of the project • 50 percent of the power needs of the project • 60 percent of the power needs of the project • 70 percent of the power needs of the project • 80 percent of the power needs of the project • 90 percent of the power needs of the project • 100 percent of the power needs of the project	8 points 12 points 16 points 19 points 23 points 26 points 30 points 34 points	

CE1.B.2 Wind Turbines	Some areas of the County lend themselves to wind turbine applications. Analysis of the areas capability to support wind turbines should be evaluated prior to choosing this feature. Wind turbines as part of the commercial development such that the total power provided augments: • 30 percent of the power needs of the project • 40 percent of the power needs of the project • 50 percent of the power needs of the project • 60 percent of the power needs of the project • 70 percent of the power needs of the project • 80 percent of the power needs of the project • 90 percent of the power needs of the project • 100 percent of the power needs of the project	8 points 12 points 16 points 19 points 23 points 26 points 30 points 34 points	
CE1.B.3 Off-site Renewable Energy Project	The applicant may submit a proposal to supply an off-site renewable energy project such as renewable energy retrofits of existing residential or existing commercial/industrial. These off-site renewable energy retrofit project proposals will be determined on a case-by-case basis accompanied by a detailed plan documenting the quantity of renewable energy the proposal will generate. Point values will be based upon the energy generated by the proposal.	TBD	
CE1.A.4 Other Renewable Energy Generation	The applicant may have innovative designs or unique site circumstances (such as geothermal) that allow the project to generate electricity from renewable energy not provided in the table. The ability to supply other renewable energy and the point values allowed will be decided based upon engineering data documenting the ability to generate electricity.	TBD	
Reduction Measure R2-W2: Exceed Water Efficiency Standards			
W2.D Irrigation and Landscaping			
W2.D.1 Water Efficient Landscaping	• Eliminate conventional turf from landscaping • Only moderate water using plants • Only low water using plants • Only California Native landscape that requires no or only supplemental irrigation *Explanation: The Project will satisfy this measure as the Specific Plan requires landscape in accordance with CVAG Ordinance 1302.1, Landscape and Irrigation System Design Criteria. This will ensure additional water conservation through the use of desert appropriate landscape material. The plant palette throughout the Specific Plan area shall utilize a low maintenance and low water palette. Same applies to Alternatives A, B and D.*	0 points 2 points 3 points 5 points	2
W2.D.2 Water Efficient Irrigation Systems	• Low precipitation spray heads< .75”/hr or drip irrigation • Weather based irrigation control systems combined with drip irrigation (demonstrate 20% reduced water use) *Explanation: The landscaping and irrigation plans and system shall comply with all County ordinances relating to water efficiency and shall be an automatic system with an irrigation timer and two drip or bubbler heads per tree to produce deep root irrigation. The water use calculations for this system will be prepared and submitted per Coachella Valley Water District (CVWD) irrigation design requirements. Same applies to Alternatives A, B and D.*	1 point 3 points	1
W2.D.3 Stormwater Reuse Systems	Innovative on-site stormwater collection, filtration, and reuse systems are being developed that provide supplemental irrigation water and provide vector control. These systems can greatly reduce the irrigation needs of a project. Point values for these types of systems will be determined based upon design and engineering data documenting the water savings.	TBD	

W2.E Potable Water			
W2.E.1 Showers	Water Efficient Showerheads (2.0 gpm) *Explanation: The Project will satisfy this measure by adhering to the requirements of the current CalGreen Building Code Section 4.303.1.3 by installing showerheads not exceeding 1.8 gpm. Same applies to Alternatives A, B and D.*	2 points	2
W2.E.2 Toilets	• Water Efficient Toilets/Urinals (1.5 gpm) • Waterless Urinals (note that commercial buildings having both waterless urinals and high efficiency toilets will have a combined point value of 6 points) *Explanation: The Project will satisfy this measure by adhering to the requirements of the current CalGreen Building Code Section 4.303.1.1 by installing toilets and urinals not exceeding 1.28 gpm. Same applies to Alternatives A, B and D.*	3 points 3 points	3
W2.E.3 Faucets	Water Efficient faucets (1.28 gpm) *Explanation: The Project will satisfy this measure by adhering to the requirements of the current CalGreen Building Code Section 4.303.1 by installing water efficient faucets for the lavatories, metering, and kitchen. Same applies to Alternatives A, B and D.*	2 points	2
W2.E.4 Commercial Dishwashers	Water Efficient dishwashers (20% water savings) *Explanation: The Project will satisfy this measure by adhering to the requirements of the current CalGreen Building Code Section 110.1 to install dishwashers that meet or exceed the ENERGY STAR Program requirements. Same applies to Alternatives A, B and D.*	2 points	2
W2.E.5 Commercial Laundry Washers	• Water Efficient laundry (15% water savings) • High Efficiency laundry Equipment that captures and reuses rinse water (30% water savings)	2 points 4 points	
W2.E.6 Commercial Water Operations Program	Establish an operational program to reduce water loss from pools, water features, etc., by covering pools, adjusting fountain operational hours, and using water treatment to reduce draw down and replacement of water. Point values for these types of plans will be determined based upon design and engineering data documenting the water savings.	TBD	
W2.F Increase Commercial/Industrial Reclaimed Water Use			
W2.F.1 Recycled Water	Graywater (purple pipe) irrigation system on site	5 points	
Reduction Measure R2-T3: Ride-Sharing and Bike-to-Work Programs within Businesses			
T3.A.1 Alternative Scheduling	Encouraging telecommuting and alternative work schedules reduces the number of commute trips and therefore VMT traveled by employees. Alternative work schedules could take the form of staggered starting times, flexible schedules, or compressed work weeks. • Provide flexibility in scheduling such that at least 30% of employees • participate in 9/80 work week, 4-day/40-hour work week, or telecommuting 1.5 days/week.	5 points	
T3.A.2 Car/Vanpools	• Car/vanpool program • Car/vanpool program with preferred parking • Car/vanpool with guaranteed ride home program • Subsidized employee incentive car/vanpool program *Note: combine all applicable points for total value*	1 point 2 points 3 points 5 points	

T3.A.3 Employee Bicycle/ Pedestrian Programs	• Complete sidewalk to residential within ½ mile • Complete bike path to residential within 3 miles • Bike lockers and secure racks • Showers and changing facilities • Subsidized employee walk/bike program *Note: combine all applicable points for total value*	1 point 1 point 1 point 2 points 3 points	
T3.A.4 Shuttle/Transit Programs	• Local transit within ¼ mile • Light rail transit within ½ mile • Shuttle service to light rail transit station • Guaranteed ride home program • Subsidized Transit passes *Note: combine all applicable points for total value*	1 point 3 points 5 points 1 points 2 points	
T3.A.5 Commute Trip Reduction	Employer based Commute Trip Reduction (CTR). CTRs apply to commercial, offices, or industrial projects that include a reduction of vehicle trip or VMT goal using a variety of employee commutes trip reduction methods. The point value will be determined based upon a TIA that demonstrates the trip/VMT reductions. Suggested point ranges: • Incentive based CTR Programs (1–8 points) • Mandatory CTR programs (5–20 points)	TBD	
T3.A.6 Other Trip Reduction Measures	Point values for other trip or VMT reduction measures not listed above may be calculated based on a TIA and/or other traffic data supporting the trip and/or VMT reductions.	TBD	
Reduction Measure R2-T1: Alternative Transportation Options			
T1.E Mixed-Use Development			
T1.E.1 Mixed-Use	Mixes of land uses that complement one another in a way that reduces the need for vehicle trips can greatly reduce GHG emissions. The point value of mixed-use projects will be determined based upon traffic studies that demonstrate trip reductions and/or reductions in vehicle miles traveled. *Explanation: According to the Project-specific TIA, interactions between land uses will reduce total trip generation by 12,096 trips per day. Using CalEEMod Version 2022.1.1.20, it is estimated that this reduction in trip generation reduces GHG emissions by approximately 89,510 lbs of CO_2e per day or 14,819 MT CO_2e per year. Same applies to Alternatives A and B.* *Alternative D does no propose the retail commercial center or hotel and resort uses, therefore the mix of land uses is not as diverse and would not receive full points. Alternative D will receive half the points (14) for diversity of land uses because the residential planning areas could still benefit to some degree from the equestrian uses, including as employment.*	TBD	28 Alt D: 14
T1.E.2 Local Retail Near Residential (Commercial only Projects)	Having residential developments within walking and biking distance of local retail helps to reduce vehicle trips and/or vehicle miles traveled. The point value of residential projects in close proximity to local retail will be determined based upon traffic studies that demonstrate trip reductions and/or reductions in vehicle miles traveled.	TBD	
T1.F Preferential Parking			
T1.F.1 Parking	• Provide reserved preferential parking spaces for car-share, carpool, and ultra-low or zero emission vehicles. • Provide larger parking spaces that can accommodate vans used for ride-sharing programs and reserve them for vanpools and include adequate passenger waiting/loading areas.	1 point 1 point	
T1.G Signal Synchronization and Intelligent Traffic Systems			

T1.G.1 Signal Improvements	Techniques for improving traffic flow include: traffic signal coordination to reduce delay, incident management to increase response time to breakdowns and collisions, Intelligent Transportation Systems (ITS) to provide real-time information regarding road conditions and directions, and speed management to reduce high free-flow speeds. • Synchronize signals along arterials used by project. • Connect signals along arterials to existing ITS.	1 point/signal 3 points/signal	
T1.H Increase Public Transit			
T1.H.1 Public Transit	The point value of a projects ability to increase public transit use will be determined based upon a Transportation Impact Analysis (TIA) demonstrating decreased use of private vehicles and increased use of public transportation. • Increased transit accessibility (1-15 points)	TBD	
Reduction Measure R2-T2: Adopt and Implement a Bicycle Master Plan to Expand Bike Routes around the County			
T2.B.1 Sidewalks	• Provide sidewalks on one side of the street (required) • Provide sidewalks on both sides of the street • Provide pedestrian linkage between commercial and residential land uses within 1 mile *Explanation: The Thermal Ranch SP proposes a network of internal trails for active transportation, including pedestrian use, between on-site commercial and residential uses. Same applies to Alternatives A, B and D.*	0 points 1 point 3 points	3
T2.B.2 Bicycle Paths	• Provide bicycle paths within project boundaries • Provide bicycle path linkages between commercial and other land uses • Provide bicycle path linkages between commercial and transit *Explanation: Class I Bike Lanes are proposed on Harrison Street, 62nd Avenue, and Tyler Street. A regional trail/Class I bike lane is also proposed on 64th Avenue. Bikes are expected to be utilized within the Project especially from residential to horse park activities. Same applies to Alternatives A, B and D.*	1 point 2 points 5 points	2
Reduction Measure R2-T4: Electrify the Fleet			
T4.B.1 Electric Vehicle Recharging	• Provide circuit and capacity in garages/parking areas for installation of electric vehicle charging stations. • Install electric vehicle charging stations in garages/parking areas *Explanation: The Project will satisfy this measure by adhering to the requirements of the current CalGreen Building Code Section 4.106.4.1, 4.106.4.2, and 5.106.5.3. Same applies to Alternatives A, B and D.*	2 points/area 8 points/station	16
T4.B.2 Neighborhood Electric Vehicle (NEV) Infrastructure	NEVs are electric vehicles usually built to have a top speed of 25 miles per hour, and a maximum loaded weight of 3,000 pounds. • Provide NEV safe routes within the project site. • Provide NEV safe routes between the project site and other land uses. *Explanation: Per the Thermal Ranch Specific Plan, the Project will provide a network of internal trails for golf carts, other NEVs, as well as other modes of active transportation. Same applies to Alternatives A, B and D.*	3 points 5 points	3
Reduction Measure R2-S1: Reduce Waste to Landfills			

S1.B.1 Recycling	County initiated recycling program diverting 80% of waste requires coordination with commercial development to realize this goal. The following recycling features will help the County fulfill this goal: • Provide separated recycling bins within each commercial building/floor and provide large external recycling collection bins at central location for collection truck pick-up • Provide commercial/industrial recycling programs that fulfills an on-site goal of 80% diversion of solid waste *Explanation: Recycling bins to be provided for each commercial building and large external recycling collection bins to be provided in central locations on-site. Same applies to Alternatives A, B and D.*	2 points 5 points	2

Feature	Description	Assigned Point Values	Project Points
Other GHG Reduction Feature Implementation			
O.B.1 Other GHG Emissions Reduction Features	This allows innovation by the applicant to provide commercial design features that the GHG emissions from construction and/or operation of the project not provided in the table. Note that engineering data will be required documenting the GHG reduction amount and point values given based upon emission reductions calculations using approved models, methods, and protocols.	TBD	
Points Earned by Commercial/Industrial Project (before weighting):			P, A, B[1]: 110 Alt D: 96
Subtotal - Points Earned by Commercial Portion of Mixed-Use Project: (Weighted based on 50% of Project acreage used for commercial development)			P, A, B: **55** Alt D: **48**

2. P = Proposed Project, A = Alt A, B = Alt B

Table 3: Total Points Earned by GHG Implementation Measures for Residential and Commercial Portions of Mixed-Use Project

Total Screening Table Score: Residential and Commercial Uses		
Subtotal - Points Earned by Residential Portion of Mixed-Use Project: (Weighted based on 50% of Project acreage used for residential development)		P, A, B: 69.5 Alt D: 55.5
Subtotal - Points Earned by Commercial Portion of Mixed-Use Project: (Weighted based on 50% of Project acreage used for commercial development)		P, A, B: 55 Alt D: 48
TOTAL:		P, A, B[1]: **124.5** Alt D: **103.5**