

APPENDIX C

AIR QUALITY TECHNICAL REPORT

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P1 Hueneme
Parking Structure Project
Air Quality Technical Report

June 2026



Prepared for:

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1.0 INTRODUCTION

This Air Quality Technical Report evaluates air quality impacts associated with the proposed project located at 333 Ponomo Street (project) in the City of Port Hueneme (City). This report has been prepared by Impact Sciences, Inc., to support the project's environmental documentation being prepared pursuant to the California Environmental Quality Act (CEQA). This analysis considers both the temporary air quality impacts from project construction and long-term impacts associated with operation of the project.

1.1 PROJECT LOCATION

The project site is approximately 18.8 acres (818,928 square feet [sf]) and located within the Port of Hueneme (Port) in the City of Port Hueneme (City), at 333 Ponomo Street, in Ventura County (County). The project site is located on Port property east of the Port channel entrance and north of the commercial harbor. The project site currently consists of a warehouse structure and an asphalt concrete parking lot used to stage vehicles once they are offloaded from roll on/roll off transport ships. The project site is bounded to the north by Naval Base Ventura County (NBVC) Port Hueneme and single-family residences, to the east by single- and multi-family residences, to the south by active Port facilities and the commercial harbor, and to the west by additional NBVC Port Hueneme property and the Port channel entrance, with the Pacific Ocean located further west and south. (See **Figure 1 Aerial Photograph of the Project Site**)

The Port handles approximately 360,000 automobiles annually transported on vessels. The site is actively used for vehicle storage associated with roll-on/roll-off¹ vessel operations. Vehicles are currently unloaded from vessels by workers who are responsible for loading and unloading cargo from ships (stevedores) and staged at-grade in designated areas prior to being transported to processing facilities either on- or off-site. The project site functions as part of a larger, coordinated logistics system within the Port. Vehicles are unloaded from vessels by stevedores, who drive individual vehicles from the ship to designated staging areas within the Port. In some cases, large, oversized, or heavyweight vehicles (high-and-heavy vehicles) are either driven off the vessel or offloaded using specialized equipment and placed in designated areas designed to accommodate their size and weight.

Once unloaded, vehicles are staged on-site for periods ranging from several hours to several days, depending on processing schedules and downstream logistics. The existing site can accommodate approximately 5,010 vehicles on its large mostly paved surface. Currently, parking areas, staging zones, and circulation aisles are informally marked.

¹ Roll-on/roll-off (RoRo) shipping is a method of transporting cars and trucks by driving them directly onto specialized vessels and securing them on interior decks.



SOURCE: Esri, 2026

FIGURE 1

Vehicle circulation within the site is governed by operational practices rather than fixed infrastructure. The only structure on the project site is the existing warehouse building. The warehouse is primarily used for non-vehicle storage.

The proposed project would include an approximately 455,900-sf multi-level parking structure footprint to support the Port's ongoing vehicle processing operations. The parking structure would function as an intermediate staging and transfer point between ocean-going vessels at berth and ground transportation modes, including rail and truck, used to transport automobiles from the Port to dealerships or other destinations. The proposed six-level parking garage with a maximum height of 75 feet and would provide approximately 8,208 net new vehicle parking spaces. Upon implementation, the proposed project is anticipated to facilitate approximately 35,000 additional automobiles annually and would support the Port's role as a regional hub for automobile import and export activities.

1.2 PROJECT DESCRIPTION

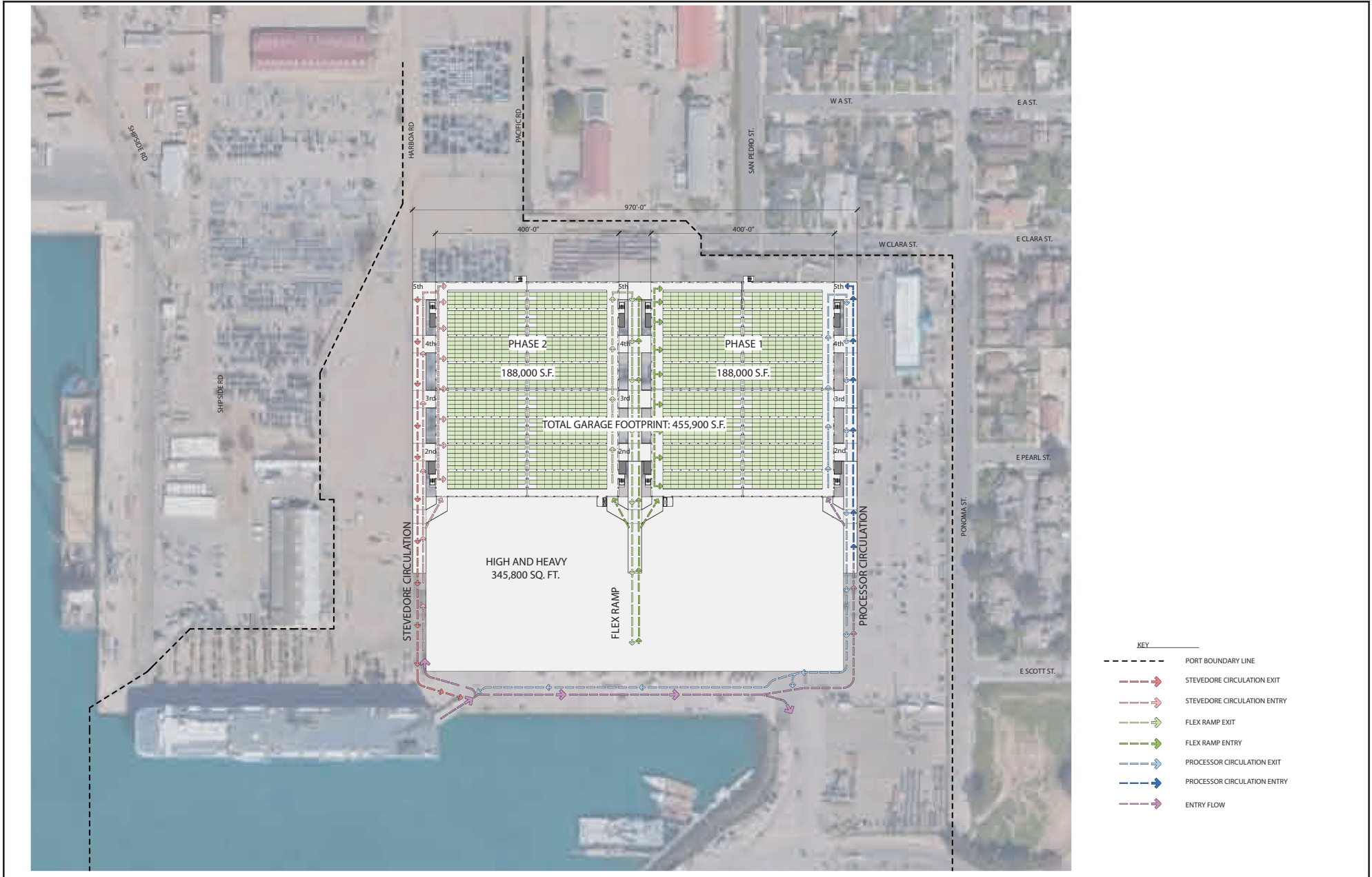
The parking structure would consist of up to six levels with a maximum height of up to 75 feet. The proposed project would provide up to approximately 8,428 net new parking spaces with the six-level configuration. See **Table 1, Project Summary**, for the characteristics of the proposed project.

Table 1
Project Summary

	Proposed Project
Parking Structure Footprint	455,900
Maximum Height	75 feet
Parking Spaces in Structure	10,356
Surface Parking Spaces being Eliminated	1,928
Net New Vehicle Parking Spaces	8,428
High-and-Heavy Concrete Pad	345,800 sf

Source: Watry Design 2026

The parking structure would be designed to support continuous vehicle circulation between levels through internal ramps and would accommodate a range of vehicle types, including standard passenger vehicles and high-and-heavy vehicles. Lower levels may include increased vertical clearance to accommodate taller vehicles and specialized equipment. The structure would incorporate reinforced surfaces in designated areas to support heavier vehicle loads. See **Figure 2, Project Site Plan**.



SOURCE: Watry, 2026

FIGURE 2

The structure would likely consist of reinforced concrete and would be designed to accommodate large quantities of vehicles and continuous operational use. The structure would incorporate open-sided design elements to provide natural ventilation, as well as safety features such as guardrails, controlled access points, and fire sprinklers. Sustainable features would include solar panels covering the top level of the parking structures, as well as a vegetated vertical façade along the eastern side of the structure.

High-and-heavy vehicles, which may include oversized vehicles or specialized equipment, would be accommodated in a new approximately 345,800-sf concrete pad designed to support their operational requirements, including appropriate turning radii and structural support. The concrete pad would be approximately 12 inches in height. As shown on **Figure 2, Project Site Plan**, high-and-heavy staging areas would be located to maximize efficient unloading and minimize travel distances from vessel berths. These areas would be configured to avoid conflicts with primary vehicle staging and circulation routes to the extent feasible.

Project Operations

Under the project, vehicle arrival, unloading, staging, and processing activities would continue consistent with existing Port operations but in the future, upon construction of the structure, vehicle staging would be accommodated within the proposed parking structure rather than at-grade as is the case under existing conditions.

Ro/Ro vessels calling at the Port can have capacities of up to several thousand vehicles per voyage. Vehicle offloading activities involve coordinated operations between labor, stevedores, processing personnel, and shuttle drivers. Vehicle unloading begins with longshore labor drivers being transported onto vessels in groups, typically consisting of approximately 10 to 15 personnel per shuttle trip. Longshore labor drive individual vehicles off the vessel to a designated first point of rest on Port typically within the project site. Each of the drivers could unload approximately 3 cars per hour, and the driving team together unload a total of approximately 45 cars each hour. While unloading activities may occur over extended operating periods associated with vessel arrivals, vehicle processing activities are intermittent and vary based on vessel schedules and import volumes. HH cargo/vehicles may either be driven off the vessel or offloaded via specialty tractors and forklifts and placed in designated areas designed to accommodate their size and weight. Following parking of each vehicle, shuttle vans circulate between the parking area and the vessel to retrieve drivers and return them to the ship to continue unloading operations. This process repeats in cycles until unloading is complete. Operations occur in 8-hour shifts and can occur 24 hours per day if needed but generally are completed in two shifts per day. Once unloaded, vehicles are staged within the project site for periods ranging from several hours to several days, depending on processing schedules.

Vehicles are retrieved from the staging area using either a first-in, first-out approach or based on specific vehicle identification number (VIN) requests by processing centers. VIN-specific retrieval may require drivers to locate individual vehicles and move other vehicles as needed to access the requested units. Retrieved vehicles are then driven to designated off-Port processing centers, which are in off-site locations near the Port, where pre-delivery inspection and accessory installation occur prior to final distribution via truck or rail. Shuttle vans subsequently return drivers to the Port to continue retrieval operations, resulting in a continuous cycle of vehicle and personnel movement within the project site until all the vehicles are moved.

Construction Schedule

The project construction schedule is anticipated to be approximately 48 months. Project construction activities would include demolition of the existing warehouse and paved parking, excavation and foundation construction, and vertical construction of the parking structure. The proposed project would be constructed on a reinforced concrete mat. The project construction would include demolition of the 96,870-sf warehouse structure on site as well as removal of the existing surface parking lot. The project would require 40,000 cubic yards (cy) of soil import and 75,000 cy of soil export.

Construction of the project would occur in three phases. Phase 1 would consist of demolition, grading (including soil import and export), and construction of the first phase parking structure would take approximately two years to complete. The first year of Phase 1 would include demolition of existing on-site structures and grading activities. The second year of Phase 1 would include vertical building construction of the parking structure. Phase 2 would begin once Phase 1 is complete and would involve vertical building construction of the second phase parking structure. Phase 2 is anticipated to take approximately one year to complete, as mobilization would have already occurred during Phase 1. Construction of the high-and-heavy (HH) concrete pad would begin after Phase 2 is complete and operational. The HH concrete pad would be constructed in one year, with a substantial portion of that time associated with concrete curing.

2.0 ENVIRONMENTAL SETTING

2.1 AIR QUALITY SETTING

South Central Coast Air Basin

The project site is located within the Ventura County portion of the South Central Coast Air Basin (Basin). The Basin includes all of San Luis Obispo, Santa Barbara, and Ventura County.

Ventura County is located along the southern portion of the central California coast between Santa Barbara and Los Angeles Counties. Its diverse topography is characterized by mountain ranges to the north, two major river valleys (the Santa Clara, which trends east-west, and the Ventura, which trends roughly north-south), and the Oxnard Plain to the south and west. As pollutants are carried into the inland valleys by prevailing winds, they are frequently trapped against the mountain slopes by a temperature inversion layer, generally occurring between 1,500 and 2,500 feet above sea level. Above the temperature inversion layer, pollutants are allowed to disperse freely. The air monitoring stations are therefore found between the coast and the inland valley mountain foothills up to approximately 1,000 feet.

The purposes of the Ventura County Air Pollution Control Districts' (VCAPCD) (District) air monitoring network are: 1) to determine Ventura County's attainment status for the National and California standards for ozone, PM_{2.5} and PM₁₀; 2) to track Ventura County's air quality trends; 3) to provide information to the public about the quality of Ventura County's air (i.e., reporting of the Air Quality Index (AQI) and ozone and particulate episode forecasting); and, 4) for data in air quality modeling efforts.

The majority of the population resides in the southern half of Ventura County – the VCAPCD has focused its air monitoring efforts there. The south half of Ventura County is divided into five air monitoring regions: Ventura and the Oxnard Coastal Plain, Ojai Valley, Santa Clara River Valley, Simi Valley, and the Conejo Valley. The air monitoring network has been designed to provide air monitoring coverage to those regions of Ventura County. The project site is located in the Ventura and the Oxnard Coastal Plain.

The Ventura and the Oxnard Coastal Plain is a broad coastal area stretching from the Pacific Ocean to several inland valleys, covering 405 square miles, and having a population of 433,245 people. This area encompasses the cities of Port Hueneme, Ventura, Oxnard and Camarillo. The Oxnard plain area is a relatively flat plain area with foothills and mountains at its northern border. This area is home to considerable agricultural activities and includes a deepwater port and a number of Ventura County's major stationary sources, including two natural gas-fired electric generating units, two naval bases, several natural gas-fired cogeneration facilities, several oil and gas production and processing facilities, and a

paper products manufacturer. The area is impacted by mobile sources and marine shipping operations occurring off Ventura County's coast.

Air Pollutants of Concern

Criteria air pollutants are defined as pollutants for which the federal and state governments have established ambient air quality standards for outdoor concentrations. The federal and state standards have been set at levels above which concentrations could be harmful to human health and welfare. These standards are designed to protect the most sensitive persons such as children, pregnant women, and the elderly, from illness or discomfort. Criteria air pollutants include ozone (O₃), nitrogen dioxide (NO₂), carbon monoxide (CO), sulfur dioxide (SO₂), particulate matter 2.5 microns or less in diameter (PM_{2.5}), particulate matter ten microns or less in diameter (PM₁₀), and lead (Pb). Note that reactive organic gases (ROGs), which are also known as reactive organic compounds (ROCs) or volatile organic compounds (VOCs), and nitrogen oxides (NO_x) are not classified as criteria pollutants. However, ROGs and NO_x are widely emitted from land development projects and participate in photochemical reactions in the atmosphere to form O₃; therefore, NO_x and ROGs are relevant to the proposed project and are of concern in the Basin. As such, they are listed below along with the criteria pollutants. Sources and health effects commonly associated with criteria pollutants are summarized in **Table 2, Criteria Pollutants Summary of Common Sources and Effects**.

Table 2
Criteria Pollutants Summary of Common Sources and Effects

Pollutant	Major Man-Made Sources	Human Health & Welfare Effects
Carbon Monoxide (CO)	An odorless, colorless gas formed when carbon in fuels is not burned completely; a component of motor vehicle exhaust.	Reduces the ability of blood to deliver oxygen to vital tissues, affecting the cardiovascular and nervous system. Impairs vision, causes dizziness, and can lead to unconsciousness or death.
Nitrogen Dioxide (NO ₂)	A reddish-brown gas formed during fuel combustion for motor vehicles and industrial sources. Sources include moto vehicles, electric utilities, and other sources that burn fuel.	Respiratory irritant; aggravates lung and heart problems. Precursor to ozone and acid rain. Contributes to global warming and nutrient overloading which deteriorates water quality. Causes brown discoloration of the atmosphere.
Ozone (O ₃)	Formed by a chemical reaction between volatile organic compounds (VOC) and nitrous oxides (NO _x) in the presence of sunlight. VOCs are also commonly referred to as reactive organic gases (ROGs). Common sources of these precursor pollutants include motor vehicle exhaust, industrial emissions, gasoline storage and transport, solvents, paints, and landfills.	Irritates and causes inflammation of the mucous membranes and lung airways; causes wheezing, coughing, and pain when inhaling deeply; decreases lung capacity; aggravates lung and heart problems. Damages plants; reduces crop yield. Damages rubber, some textiles, and dyes.

Pollutant	Major Man-Made Sources	Human Health & Welfare Effects
Particulate Matter (PM10 & PM2.5)	Produced by power plants, steel mills, chemical plants, unpaved roads and parking lots, wood-burning stoves and fireplaces, automobiles, and others.	Increased respiratory symptoms, such as irritation of the airways, coughing or difficulty breathing; aggravated asthma; development of chronic bronchitis; irregular heartbeat; nonfatal heart attacks; and premature death in people with heart or lung disease. Impairs visibility (haze)
Sulfur Dioxide (SO ₂)	A colorless, nonflammable gas formed when fuel containing sulfur is burned; when gasoline is extracted from ore. Examples are petroleum refineries, cement manufacturing, metal processing facilities, locomotives, and ships.	Respiratory irritant; aggravates lung and heart problems. In the presence of moisture and oxygen, sulfur dioxide converts to sulfuric acid which can damage marble, iron, and steel. Damages crops and natural vegetation. Impairs visibility. Precursor to acid rain.

Source: CAPCOA, Health Effects. Available: <http://www.capcoa.org/health-effects/>

2.2 AMBIENT AIR QUALITY

Ambient air quality in Ventura can be inferred from ambient air quality measurements conducted at nearby air quality monitoring stations. Existing levels of ambient air quality and historical trends and projections are documented by measurements made by the VCAPCD, the air pollution regulatory agency in the Basin. The VCAPCD maintains air quality monitoring stations which process ambient air quality measurements throughout the Basin.

Ambient concentration data are collected for a wide variety of pollutants. The most important of these in Ventura County are ozone, PM_{2.5}, and PM₁₀. Other pollutants measured include oxides of nitrogen (NO_x), nitric oxide (NO), nitrogen dioxide (NO₂), toxics (hexavalent chromium, total metals and aldehydes), and volatile organic compounds (VOC). Measurement of meteorological parameters is also conducted at all monitoring stations. Data for all of the pollutants is used to better understand the nature of the ambient air quality in Ventura County, as well as to inform the public about the quality of the air.

Measurements of ambient concentrations of criteria pollutants are used by the U.S. EPA and the CARB to assess and classify the air quality of each air basin, county, or, in some cases, a specific urbanized area. The classification is determined by comparing actual monitoring data with national and state standards. If a pollutant concentration in an area is lower than the standard, the area is classified as being in “attainment.” If the pollutant concentration exceeds the standard, the area is classified as a “non-attainment” area. If there is not enough data available to determine whether the standard is exceeded in an area, the area is designated “unclassified.”

The U.S. EPA and CARB use different standards for determining whether the Basin is in attainment. Under the CCAA the State has developed the California ambient air quality standards (CAAQS), which are generally more stringent than the national ambient air quality standards (NAAQS). In addition to the

federal criteria pollutants, the CAAQS also specifies standards for visibility-reducing particles, sulfates, hydrogen sulfide, and vinyl chloride. Federal and State standards are summarized in **Table 3, Ambient Air Quality Standards**.

Table 3
Ambient Air Quality Standards

Air Pollutant	Averaging Time	State Standard	Federal Standard
Ozone (O ₃)	1-Hour	0.09 ppm	-
	8-Hour	0.07 ppm	0.07 ppm
Carbon Monoxide (CO)	1-Hour	20.0 ppm	35.0 ppm
	8-Hour	9.0 ppm	9.0 ppm
Nitrogen Dioxide (NO ₂)	1-Hour	180 ppb	100 ppb
Sulfur Dioxide (SO ₂)	1-Hour	250 ppb	75 ppb
	24-Hour	40 ppb	140 ppb
Sulfates (SO ₄)	24-Hour	25 ug/m ³	-
Fine Particulate Matter (PM _{2.5})	24-Hour	-	35 ug/m ³
	Annual Arithmetic Mean	12 ug/m ³	9 ug/m ³ (Primary) 15 ug/m ³ (Secondary)
Respirable Particulate Matter (PM ₁₀)	24-Hour	50 ug/m ³	150 ug/m ³
Lead (Pb)	30-Day Average	1.5 ug/m ³	-
	Calendar Quarter	-	1.5 ug/m ³ (for certain areas)
	Rolling 3-Month Average	-	0.15 ug/m ³

ppm = parts per million; ppb = parts per billion; ug/m³ = microgram per cubic meter

Source: CARB. Ambient Air Quality Standards. Available at: https://ww2.arb.ca.gov/sites/default/files/2024-08/AAQS%20Table_ADA_FINAL_07222024.pdf, accessed April 2026.

The attainment status for the Basin region is included in **Table 4, State and Federal Nonattainment Pollutants for Ventura County**. Areas that meet ambient air quality standards are classified as attainment areas, while areas that do not meet these standards are classified as nonattainment areas. The Basin region is designated as a nonattainment area for federal ozone and is designated as nonattainment for state ozone and PM₁₀.

Table 4
State and Federal Nonattainment Pollutants for Ventura County

Pollutant	State	Federal
Ozone (O ₃)	Non-Attainment	Nonattainment (Serious)
Carbon Monoxide (CO)	Attainment	Attainment/Unclassifiable
Particulate Matter (PM ₁₀)	Non-Attainment	Attainment/Unclassifiable
Particulate Matter (PM _{2.5})	Attainment	Attainment/Unclassifiable
Carbon Monoxide (CO)	Attainment	Attainment/Unclassifiable
Nitrogen Dioxide (NO ₂)	Attainment	Attainment/Unclassifiable
Sulfur Dioxide (SO ₂)	Attainment	Attainment
Lead	Attainment	Attainment

Source: United States Environmental Protection Agency, 2025, "Current Nonattainment Counties for All Criteria Pollutants," <https://www3.epa.gov/airquality/greenbook/ancl.html>, accessed February 2025.

VCAPCD. Air Quality Standards. http://www.vcapcd.org/air_quality_standards.htm, accessed April 2026.

Toxic Air Contaminants

In addition to the criteria pollutants discussed above, toxic air contaminants (TACs) are another group of pollutants of concern. TACs are considered either carcinogenic or noncarcinogenic based on the nature of the health effects associated with exposure to the pollutant. For regulatory purposes, carcinogenic TACs are assumed to have no safe threshold below which health impacts would not occur, and cancer risk is expressed as excess cancer cases per one million exposed individuals. Noncarcinogenic TACs differ in that there is generally assumed to be a safe level of exposure below which no negative health impact is believed to occur. These levels are determined on a pollutant-by-pollutant basis.

There are many different types of TACs, with varying degrees of toxicity. Sources of TACs include industrial processes, such as petroleum refining and chrome-plating operations; commercial operations, such as gasoline stations and dry cleaners; and motor vehicle exhaust. Public exposure to TACs can result from emissions from normal operations, as well as from accidental releases of hazardous materials during upset conditions. The health effects associated with TACs are quite diverse and generally are assessed locally, rather than regionally. TACs can cause long-term health effects such as cancer, birth defects, neurological damage, asthma, bronchitis, or genetic damage, or short-term acute effects such as eye watering, respiratory irritation (a cough), running nose, throat pain, and headaches.

To date, CARB has designated 244 compounds as TACs. Additionally, CARB has implemented control measures for a number of compounds that pose high risks and show potential for effective control. The majority of the estimated health risks from TACs can be attributed to a relatively few compounds.²

CARB identified diesel particulate matter (DPM) as a TAC. DPM differs from other TACs in that it is not a single substance but rather a complex mixture of hundreds of substances. Diesel exhaust is a complex mixture of particulates and gases produced when an engine burns diesel fuel. DPM is a concern because it causes lung cancer; many compounds found in diesel exhaust are carcinogenic. DPM includes the particle-phase constituents in diesel exhaust. The chemical composition and particle sizes of DPM vary between different engine types (heavy-duty, light-duty), engine operating conditions (idle, accelerate, decelerate), fuel formulations (high/low sulfur fuel), and the year of the engine. Some short-term (acute) effects of diesel exhaust include eye, nose, throat, and lung irritation, and diesel exhaust can cause coughs, headaches, light-headedness, and nausea. DPM poses the greatest health risk among the TACs. Almost all diesel exhaust particle mass is 10 microns or less in diameter. Because of their extremely small size, these particles can be inhaled and eventually trapped in the bronchial and alveolar regions of the lung.

Sensitive Receptors

Some land uses are considered more sensitive to air pollution than others due to the types of population groups or activities involved. Sensitive population groups include children, the elderly, the acutely ill, and the chronically ill, especially those with cardiovascular diseases.³ Residential areas are considered sensitive receptors to air pollution because residents (including children and the elderly) tend to be at home for extended periods of time, resulting in sustained exposure to any pollutants present. Children are considered more susceptible to health effects of air pollution due to their immature immune systems and developing organs.⁴ As such, schools are also considered sensitive receptors, as children are present for extended durations and engage in regular outdoor activities. Recreational land uses are considered moderately sensitive to air pollution. Although exposure periods are generally short, exercise places a high demand on respiratory functions, which can be impaired by air pollution. In addition, noticeable air pollution can detract from the enjoyment of recreation. The *VCAPCD Guidelines* also defines sensitive receptors as facilities or land uses that include members of the population that are particularly sensitive to the effects of air pollutants, such as children, the elderly, and people with illnesses. The closest air quality

² California Air Resources Board. *CARB Identified Toxic Air Contaminants*. Available online at: <https://ww2.arb.ca.gov/resources/documents/carb-identified-toxic-air-contaminants>.

³ California Air Resources Board. *Sensitive Receptor Assessment*. Available online at: <https://ww2.arb.ca.gov/capp-resource-center/community-assessment/sensitive-receptor-assessment>.

⁴ Office of Environmental Health Hazard Assessment and The American Lung Association of California. *Air Pollution and Children's Health*. Available online at: <https://oehha.ca.gov/air/air-pollution-and-childrens-health-fact-sheet-oehha-and-american-lung-association>, accessed April 2026.

sensitive receptors to the project site boundary include: 1) residences north of the project site along West Clara Street (72 feet); 2) residences east of the project site along Ponomo Street (288 feet); 3) Dowar Park southeast of the project site (468 feet).

Criteria Air Pollutant Monitoring Data

Ambient air quality in Ventura can be inferred from ambient air quality measurements conducted at nearby air quality monitoring stations. Existing levels of ambient air quality and historical trends and projections are documented by measurements made by the VCAPCD, the air pollution regulatory agency in the Basin. The VCAPCD maintains air quality monitoring stations which process ambient air quality measurements throughout the Basin.

Ambient concentration data are collected for a wide variety of pollutants. The most important of these in Ventura County are ozone, PM_{2.5}, and PM₁₀. Other pollutants measured include oxides of nitrogen (NO_x), nitric oxide (NO), nitrogen dioxide (NO₂), toxics (hexavalent chromium, total metals and aldehydes), and volatile organic compounds (VOC). Measurement of meteorological parameters is also conducted at all monitoring stations. Data for all of the pollutants is used to better understand the nature of the ambient air quality in Ventura County, as well as to inform the public about the quality of the air.

The purpose of the monitoring station is to measure ambient concentrations of pollutants and determine whether ambient air quality meets the National Ambient Air Quality Standards (NAAQS) and the California Ambient Air Quality Standards (CAAQS). Ozone and particulate matter (PM₁₀ and PM_{2.5}) are pollutants of particular concern in the Basin. The monitoring station located closest to the project site and most representative of ambient air quality is CARB Station No. 346, El Rio-Rio Mesa School #2, at 545 Central Avenue in El Rio, approximately 7 miles northeast of the project site. Ambient emission concentrations vary due to localized variations in emissions sources and climate and should be considered “generally” representative of ambient concentrations near the project site. This station currently monitors for O₃, PM₁₀ and PM_{2.5}. See **Table 5, Air Monitoring Station Ambient Pollutant Concentrations**.

Table 5
Air Monitoring Station Ambient Pollutant Concentrations

Pollutant	Standards ¹	Year		
		2022	2023	2024
OZONE (O ₃)				
Maximum 1-hour concentration monitored (ppm)		0.077	0.071	0.073
Maximum 8-hour concentration monitored (ppm)		0.063	0.059	0.060
Number of days exceeding state 1-hour standard	0.09 ppm	0	0	0
Number of days exceeding federal/state 8-hour standard	0.070 ppm	0	0	0
RESPIRABLE PARTICULATE MATTER (PM ₁₀)				
Maximum 24-hour concentration monitored (µg/m ³)		57.5	104	90.8
Annual average concentration monitored (µg/m ³)		23.1	20.4	19.3
Number of samples exceeding state standard	50 µg/m ³	3	7	1
Number of samples exceeding federal standard	150 µg/m ³	0	0	3
FINE PARTICULATE MATTER (PM _{2.5})				
Maximum 24-hour concentration monitored (µg/m ³)		18.5	24.5	47.8
Annual average concentration monitored (µg/m ³)		6.4	6.1	5.1
Number of samples exceeding federal standard	35 µg/m ³	0	0	2

California Air Resources Board, "Select 8 Summary," [Select 8 Summary-First Steps \(ca.gov\)](#)

NA = not available

¹ Parts by volume per million of air (ppm), micrograms per cubic meter of air (µg/m³), or annual arithmetic mean (aam).

3.0 REGULATORY FRAMEWORK

3.1 FEDERAL

Clean Air Act

The Clean Air Act (CAA) of 1970 and the CAA Amendments of 1971 required the U.S. Environmental Protection Agency (U.S. EPA) to establish NAAQS, with states retaining the option to adopt more stringent standards or to include other specific pollutants. On April 2, 2007, the Supreme Court found that carbon dioxide is an air pollutant covered by the CAA; however, no NAAQS have been established for carbon dioxide.

These standards are the levels of air quality considered safe, with an adequate margin of safety, to protect the public health and welfare. They are designed to protect those “sensitive receptors” most susceptible to further respiratory distress such as asthmatics, the elderly, very young children, people already weakened by other disease or illness, and persons engaged in strenuous work or exercise. Healthy adults can tolerate occasional exposure to air pollutant concentrations considerably above these minimum standards before adverse effects are observed.

The U.S. EPA has classified air basins (or portions thereof) as being in attainment, nonattainment, or unclassified for each criteria air pollutant, based on whether or not the NAAQS have been achieved. If an area is designated unclassified, it is because inadequate air quality data were available as a basis for nonattainment or attainment designations. **Table 5** lists the federal attainment status of the County for criteria pollutants.

National Emissions Standards for Hazardous Air Pollutants Program

Under federal law, 187 substances are currently listed as hazardous air pollutants (HAPs). Major sources of specific HAPs are subject to the requirements of the National Emissions Standards for Hazardous Air Pollutants (NESHAPS) program. The EPA is establishing regulatory schemes for specific source categories and requires implementation of the Maximum Achievable Control Technologies (MACT) for major sources of HAPs in each source category. State law has established the framework for California’s TAC identification and control program, which is generally more stringent than the federal program and is aimed at HAPs that are a problem in California. The state has formally identified 244 substances as TACs and is adopting appropriate control measures for each. Once adopted at the state level, each air district will be required to adopt a measure that is equally or more stringent.

National Ambient Air Quality Standards

The federal CAA required the U.S. EPA to establish NAAQS. The NAAQS set primary standards and secondary standards for specific air pollutants. Primary standards define limits for the intention of protecting public health, which include sensitive populations such as asthmatics, children, and the elderly. Secondary Standards define limits to protect public welfare to include protection against decreased visibility, damage to animals, crops, vegetation, and buildings. A summary of the federal ambient air quality standards is shown in **Table 6, National Ambient Air Quality Standards**.

Table 6
National Ambient Air Quality Standards

Pollutant		Primary/Secondary	Averaging Time	Level
Carbon monoxide		Primary	8 hours	9 ppm
			1 hour	35 ppm
Lead		Primary and secondary	Rolling 3-month average	0.15 µg/m ³
Nitrogen dioxide		Primary	1 hour	100 ppb
		Primary and secondary	Annual	0.053 ppm
Ozone		Primary and secondary	8 hours	0.070 ppm
Particulate Matter	PM2.5	Primary	Annual	9 µg/m ³
		Secondary	Annual	15 µg/m ³
		Primary and secondary	24 hours	35 µg/m ³
	PM10	Primary and secondary	24 hours	150 µg/m ³
Sulfur dioxide		Primary	1 hour	75 ppb
		Secondary	3 hours	0.5 ppm

Source: California Air Resources Board. May 2016. *Ambient Air Quality Standards*. Available online at: <https://www.arb.ca.gov/research/aaqs/aaqs2.pdf>.

3.2 STATE

California Clean Air Act of 1988

The California CAA of 1988 (CCAA) allows the state to adopt ambient air quality standards and other regulations provided that they are at least as stringent as federal standards. CARB, a part of the California Environmental Protection Agency (Cal EPA), is responsible for the coordination and administration of both federal and state air pollution control programs within California, including setting the CAAQS. The CCAA, amended in 1992, requires all air quality management districts (AQMDs) in the state to achieve and maintain the CAAQS. The CAAQS are generally stricter than national standards for the same pollutants and has also established state standards for sulfates, hydrogen sulfide, vinyl chloride, and visibility-

reducing particles, for which there are no national standards. CARB also conducts research, compiles emission inventories, develops suggested control measures, and provides oversight of local programs. CARB also has primary responsibility for the development of California's State Implementation Plan (SIP), for which it works closely with the federal government and the local air districts.

California Ambient Air Quality Standards

The federal CAA permits states to adopt additional or more protective air quality standards if needed. California has set standards for certain pollutants, such as particulate matter and ozone, which are more protective of public health than respective federal standards. California has also set standards for some pollutants that are not addressed by federal standards. The state standards for ambient air quality are summarized in **Table 7, California Ambient Air Quality Standards**.

Table 7
California Ambient Air Quality Standards

Pollutant		Averaging Time	Level
Carbon monoxide		8 hours	9 ppm
		1 hour	20 ppm
Lead		30-day average	1.5 µg/m ³
Nitrogen dioxide		1 hour	0.180 ppm
		Annual	0.030 ppm
Ozone		8 hours	0.070 ppm
		1 hour	0.09 ppm
Particulate matter	PM2.5	Annual	12 µg/m ³
	PM10	24 hours	50 µg/m ³
		Annual	20 µg/m ³
Sulfur dioxide		1 hour	0.25 ppm
		24 hours	0.04 ppm
Sulfates		24 hours	25 µg/m ³
Hydrogen sulfide		1 hour	0.03 ppm
Vinyl chloride		24 hours	0.01 ppm

Source: California Air Resources Board. May 2016. *Ambient Air Quality Standards*. Available online at: <https://www.arb.ca.gov/research/aaqs/aaqs2.pdf>.

California State Implementation Plan

The federal CAA (and its subsequent amendments) requires each state to prepare an air quality control plan referred to as a State Implementation Plan (SIP). The SIP is a living document that is periodically modified to reflect the latest emissions inventories, plans, and rules and regulations of air basins as reported

by the agencies with jurisdiction over them. The CAA Amendments dictate that states containing areas violating the NAAQS revise their SIPs to include extra control measures to reduce air pollution. The SIP includes strategies and control measures to attain the NAAQS by deadlines established by the CAA. The EPA has the responsibility to review all SIPs to determine if they conform to the requirements of the CAA.

State law makes CARB the lead agency for all purposes related to the SIP. Local air districts and other agencies prepare SIP elements and submit them to CARB for review and approval. CARB then forwards SIP revisions to the EPA for approval and publication in the Federal Register. The VCAPCD has prepared a series of Air Quality Management Plans (AQMPs), the most recent of which is the 2022 AQMP. Adopted on December 13, 2022, the AQMP is designed to comply with the provisions of the 1990 amendments to the federal CAA and the 1988 CCAA, accommodate growth, reduce the levels of pollutants within the County, and identify a control strategy to reduce ozone-forming emissions from mobile and stationary sources. Building on previous Ventura County AQMPs, the 2022 AQMP presents a combined local and state clean air strategy based on concurrent reactive organic gases (ROG) and nitrogen oxides (NO_x) emission reductions to bring Ventura County into attainment of the 2015 federal 8-hour ozone standard.

The primary objective of the 2022 AQMP is to provide continuous air pollutant emission reductions over time, with the goal of attaining the federal and state standards for ozone. Ventura County has been designated a moderate nonattainment area for the 8-hour ozone standard. On February 14, 2007, the VCAPCD and CARB requested that the County be redesignated a “serious” nonattainment area in order to receive a new attainment date of June 15, 2013. Although serious nonattainment areas are required to implement more stringent control measures than a moderate nonattainment area, the 2022 AQMP has been prepared to satisfy the CAA planning requirements for serious federal 8-hour nonattainment areas. Control programs to achieve the federal 8-hour ozone standard described in the 2022 AQMP focus on mobile sources, consumer products, and pesticides.

The future air quality levels forecast in the 2022 AQMP are based on the most recent assumptions provided by both CARB and the Southern California Association of Governments (SCAG) for motor vehicle emissions and demographic updates and includes updated transportation conformity budgets.⁵ For example, future growth projections were based on demographic growth forecasts for various socioeconomic categories (e.g., population, housing, employment by industry) developed by SCAG for their 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) (Connect SoCal).⁶ Although the 2024 Connect SoCal is the most current RTP/SCS for the region, the AQMP

⁵ Ventura County Air Pollution District, 2022 AQMP, December 2022, available at: <https://www.vcapcd.org/wp-content/uploads/pubs/Planning/AQMP/2022/Final-2022-AQMP-without-appendices.pdf>

⁶ The RTP/SCS is available online at: https://scag.ca.gov/sites/main/files/file-attachments/0903fconnectsocial-plan_0.pdf?1606001176.

incorporated demographics projections from the prior RTP/SCS for the SCAG region. The 2022 AQMP also assumes that development projects will include strategies (mitigation measures) to reduce emissions generated during construction and operation in accordance with SCAQMD and local jurisdiction regulations, which are designed to address air quality impacts and pollution control measures. The 2022 AQMP acknowledges that the most significant air quality challenge in the Basin is to reduce NO_x emissions sufficiently to meet the upcoming ozone standard deadlines. The 2022 AQMP incorporates the latest scientific and technical information and planning assumptions, including SCAG's RTP/SCS updated emission inventory methodologies for various source categories, and SCAG's latest growth forecasts. The 2022 AQMP includes integrated strategies and measures to meet the NAAQS.

California Air Toxics "Hot Spots" Information and Assessment Act (AB 2588)

The California Air Toxics Program is supplemented by the Air Toxics "Hot Spots" program, which became law (AB 2588, Statutes of 1987) in 1987. In 1992, the AB 2588 program was amended by Senate Bill 1731 to require facilities that pose a significant health risk to the community to perform a risk reduction audit and reduce their emissions through implementation of a risk management plan. Under this program, which is required under the Air Toxics "Hot Spots" Information and Assessment Act (Section 44363 of the California Health and Safety Code), facilities are required to report their air toxics emissions, assess health risks, and notify nearby residents and workers of significant risks when present.

Typically, land development projects generate diesel emissions from construction vehicles during the construction phase, as well as some diesel emissions from small trucks during the operational phase. Diesel exhaust is mainly composed of particulate matter and gases, which contain potential cancer-causing substances. Emissions from diesel engines currently include more than 40 substances that are listed by EPA as hazardous air pollutants and by CARB as TACs. On August 27, 1998, CARB identified particulate matter in diesel exhaust as a TAC, based on data linking diesel particulate emissions to increased risks of lung cancer and respiratory disease.⁷

In March 2015, the OEHHA adopted "The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments" in accordance with the Health and Safety Code, Section 44300. The Final Guidance Manual incorporates the scientific basis from three earlier developed Technical Support Documents to assess risk from exposure to facility emissions. The 2015 OEHHA Final Guidance has key changes including greater age sensitivity in particular for children, decreased exposure durations, and higher breathing rate profiles. Because cancer risk could be up to three times greater using this new

⁷ Diesel exhaust is included within pollutants subject to the hotspot program. Please refer to OEHHA's Air Toxics Hot Spot Program Risk Assessment Guidelines. <https://oehha.ca.gov/air/crnrr/notice-adoption-air-toxics-hot-spots-program-guidance-manual-preparation-health-risk-0>.

guidance, it may result in greater mitigation requirements, more agency backlog, and increased difficulty in getting air permits. Regardless of the change in calculation methodology, actual emissions and cancer risk within South Coast Air Basin has declined by more than 50% since 2005.

The CARB provides a computer program, the Hot Spots Analysis and Reporting Program (HARP), to assist in a coherent and consistent preparation of a Health Risk Assessment (HRA). HARP2, an update to HARP, was released in March 2015. HARP2 has a more refined risk characterization in HRA and CEQA documents and incorporates the 2015 OEHHA Final Guidance.

3.3 REGIONAL

Ventura County Air Pollution Control District (VCAPCD)

The management of air quality in Ventura County is the responsibility of the VCAPCD. The VCAPCD is responsible for bringing air quality in the County into conformity with federal and state air quality standards. Specifically, the VCAPCD has the responsibility to monitor ambient air pollutant levels throughout the County and to develop and implement attainment strategies to ensure that future emissions will be within federal and state standards. These attainment strategies form the basis for the AQMP, which is continuously updated to reflect changes in control strategies mandated by updates of the federal and state CAAs.

To implement these strategies, the VCAPCD Board has adopted specific rules and regulations to limit emissions from stationary and mobile sources and activities within the County. These rules and regulations identify specific pollution-reduction measures, which must be implemented in association with various uses and activities. These rules not only regulate the emissions of criteria pollutants, but also emissions of TACs and HAPs. The rules and regulations are subject to ongoing refinement by the VCAPCD. Enforcement of these rules and regulations is carried out through a permitting process that monitors emissions generated by stationary sources, such as power plants, manufacturing operations, and large and small businesses, that use products that release ozone-forming precursors or TACs into the atmosphere. The project would be subject to the VCAPCD rules and regulations to reduce project-related emissions and minimize potential air quality impacts.

In addition to permitting stationary sources, the VCAPCD Air Quality Planning and Evaluation Section administers the CEQA program for Ventura County, which is used to review and comment on the adequacy of environmental documents. It recommends thresholds for determining whether projects would have significant adverse environmental impacts, identifies methodologies for predicting project emissions and impacts, and identifies measures that can be used to avoid or reduce air quality impacts. The *Ventura County Air Quality Assessment Guidelines (VCAPCD Guidelines)*, adopted in October 2003, is the most up-to-

date document that local government agencies and consultants use to prepare environmental documents for projects subject to CEQA.⁸ This document describes the criteria and methods required to mitigate construction and operational emissions from planned developments to ensure compliance with the VCAPCD AQMP.

VCAPCD is responsible for limiting the amount of emissions that can be generated throughout Ventura County by various stationary and area sources. Specific rules and regulations have been adopted by the VCAPCD that limit the allowed amount of emissions generated by various uses and activities, and that identify specific pollution-reduction measures that must be implemented for various uses and activities.⁹

Stationary emission sources subject to these rules are generally regulated through VCAPCD's permitting process. Some activities associated with the project may be subject to VCAPCD rules and regulations. With regard to project development, the following rules may apply:

- **Rule 50 (Opacity)** – This rule sets opacity standards on the discharge from sources of air contaminants. This rule would apply during construction of the proposed project, specifically grading activities.
- **Rule 51 (Nuisance)** – This rule prohibits any person from discharging air contaminants or any other material from a source that would cause injury, detriment, nuisance, or annoyance to a considerable number of persons or the public, or which endangers the comfort, health, safety, or repose of a considerable number of persons or the public.
- **Rule 55 (Fugitive Dust)** – This rule sets restrictions on activities, including grading, demolition, and construction that could potentially cause visible dust emissions.
- **Rule 57.1 (Particulate Matter from Fuel Burning Equipment)** – This rule sets restrictions on the particulate matter emissions from fuel input for boilers, steamers, process heaters, water heaters, space heaters, flares and gas turbines.
- **Rule 68 (Carbon Monoxide)** – This rule sets a limit on the concentration of carbon monoxide (CO) that can be emitted.
- **Rule 74.2 (Architectural Coatings)** – This rule sets limits on the volatile organic compound (VOC) content of architectural coatings manufactured, blended, sold, or offered for sale within VCAPCD's jurisdiction. The rule also sets container-labeling requirements for businesses or individuals

⁸ VCAPCD, Air Quality Assessment Guidelines, Adopted in October 2003. Available online at: <http://www.vcapcd.org/pubs/Planning/VCAQGuidelines.pdf>.

⁹ *Ventura County Air Pollution Control District, Rules and Regulations.*

manufacturing or supplying architectural coatings. Architectural coating products used for the proposed project are required to comply with the standards set forth in this rule.

- **Rule 74.4 (Cutback Asphalt)** – This rule sets limits on the type of application and ROC content of cutback and emulsified asphalt. The proposed project is required to comply with the type of application and ROC content standards set forth in this rule for cutback and emulsified asphalt.
- **Rule 74.9 (Stationary Internal Combustion Engines)** – This rule sets limits on NO_x, ROC, and CO emissions on stationary spark-ignited or diesel internal combustion engine rated at 50 or more horsepower, operated on any gaseous fuel, including liquid petroleum gas (LPG), or liquid fuel.
- **Rule 74.11 (Natural Gas-Fired Residential Water Heaters – Control of NO_x)** – This rule sets a NO_x emission limit (40 nanograms of NO_x per joule of heat output) for natural gas-fired residential water heaters. Residential water heaters must also comply with certification and compliance report requirements specified in this rule. Residential water heaters that do not comply with these standards are not to be sold, offered for sale, or installed within Ventura County.

Ventura County Air Quality Management Plan

As discussed previously, the federal and state CAAs require preparation of plans to reduce air pollution to acceptable levels. The VCAPCD has responded to this requirement by preparing a series of Air Quality Management Plans (AQMPs), the most recent of which is the 2022 AQMP and was adopted by the VCAPCD Control Board on December 13, 2022. The 2022 AQMP is designed to comply with the provisions of the 1990 amendments to the federal CAA and the 1988 CCAA, accommodate growth, reduce the levels of pollutants within the County, and identify a control strategy to reduce ozone-forming emissions from mobile and stationary sources. Building on previous Ventura County AQMPs, the 2022 AQMP presents a combined local and state clean air strategy based on concurrent reactive organic gases (ROG) and nitrogen oxides (NO_x) emission reductions to bring Ventura County into attainment of the 2015 federal 8-hour ozone standard.

The primary objective of the 2022 AQMP is to provide continuous air pollutant emission reductions over time, with the goal of attaining the federal and state standards for ozone. Ventura County has been designated a moderate nonattainment area for the 8-hour ozone standard. On February 14, 2007, the VCAPCD and CARB requested that the County be redesignated a “serious” nonattainment area in order to receive a new attainment date of June 15, 2013. Although serious nonattainment areas are required to implement more stringent control measures than a moderate nonattainment area, the 2022 AQMP has been prepared to satisfy the CAA planning requirements for serious federal 8-hour nonattainment areas. Control

programs to achieve the federal 8-hour ozone standard described in the 2022 AQMP focus on mobile sources, consumer products, and pesticides.

Ventura County 2040 General Plan/Climate Action Plan

In 2020, the County adopted the Ventura County 2040 General Plan (General Plan); the County developed an integrated approach to addressing climate change in the General Plan by incorporating related policies and programs throughout the General Plan, such that the General Plan will also serve as the County's Climate Action Plan (CAP). The General Plan serves as a long-range plan to guide decision-making, establish rules and standards for development and County improvements, and helps to inform residents, developers, and decision makers; it reflects the County's vision for the future and provides direction through the year 2040 on growth and development. The General Plan contains multiple elements, including a Hazards and Safety Element that has a section dedicated to air quality. Applicable goals and policies as they relate to air quality are listed below:

Goal HAZ-10 To promote a high level of air quality in order to protect public health, safety, and welfare, and mitigate any adverse air quality impacts to the maximum extent feasible.

Objective HAZ-10.2 Air Quality Management Plan Consistency. The County shall prohibit discretionary development that is inconsistent with the most recent adopted Air Quality Management Plan (AQMP), unless the Board of Supervisors adopts a statement of overriding considerations.

Objective HAZ-10.3 Air Pollution Control District Rule and Permit Compliance. The County shall ensure that discretionary development subject to Ventura County Air Pollution Control District (VCAPCD) permit authority complies with all applicable APCD rules and permit requirements, including the use of Best Available Control Technology (BACT) as determined by the VCAPCD.

Objective HAZ-10.5 Air Pollution Impact Mitigation Measures for Discretionary Development. The County shall work with applicants for discretionary development projects to incorporate bike facilities, solar water heating, solar space heating, incorporation of electric appliances and equipment, and the use of zero and/or near zero emission vehicles and other measures to reduce air pollution impacts and reduce greenhouse gas (GHG) emissions.

Objective HAZ-10.11 Air Quality Assessment Guidelines. In evaluating air quality impacts, the County shall consider total emissions from both stationary and mobile sources, as required by the California Environmental Quality Act. The County shall evaluate discretionary development for air quality impacts using the Air Quality Assessment Guidelines as adopted by the VCAPCD except that emissions from APCD-permitted sources shall also be included in the analysis. The County shall revise the Initial Study Assessment Guides to implement this policy.

Objective HAZ-10.12 Conditions for Air Quality Impacts. The County shall require that discretionary development that would have a significant adverse air quality impact shall only be approved if it is conditioned with all feasible mitigation measures to avoid, minimize or compensate (offset) for the air quality impact. The use of innovative methods and technologies to minimize air pollution impacts shall be encourage in project design.

Objective HAZ-10.13 Construction Best Management Practices. Discretionary development projects that will generate construction-related air emissions shall be required by the County to incorporate best management practices (BMPs) to reduce emissions. These BMPs shall include the measures recommended by VCAPCD in its Air Quality Assessment Guidelines or otherwise to the extent applicable to the project.

Objective HAZ-10.14 Fugitive Dust Best Management Practices. The County shall ensure that discretionary development which will generate fugitive dust emissions during construction activities will, to the extent feasible, incorporate appropriate BMPs to reduce emissions to be less than applicable thresholds.

3.4 LOCAL

2045 City of Port Hueneme General Plan

Adopted in October 2022, the City of Port Hueneme 2045 General Plan creates a framework for Port Hueneme that depicts the community's vision and desires through the year 2045.¹⁰ The General Plan

¹⁰ City of Port Hueneme, *2045 Port Hueneme General Plan*, October 2022. Available online at: <https://www.ci.port-hueneme.ca.us/DocumentCenter/View/6128/2045-Port-Hueneme-General-Plan?bidId=>, accessed April 3, 2026.

provides modern and comprehensive policies for air quality, circulation, climate action, conservation and open space, economic development, housing, land use, local coastal program, noise, public safety and facilities, and social equity. Applicable goals and policies as they relate to air quality are listed below:

Land Use Goal 5: Protection of the City’s interests by continuing collaboration efforts with adjacent and regional jurisdictions to address common issues, including air quality, transportation, water quality and supply, solid disposal, and natural hazards (e.g., sea level rise).

Policy LU 5-1 Consider the environmental impacts of development decisions.

Goal AQ 2: Minimization of exposure to air pollutants, including toxic air contaminants.

Policy AQ 2-4 Work cooperatively with the Port of Hueneme to minimize local exposure to air pollution from oceangoing vessels and heavy trucks.

Policy AQ 2-8 Support VCAPCD requirements to minimize fugitive dust emissions from construction and maintenance activities.

Oxnard Harbor District Board of Harbor Commissioners Resolution No. 1238 – Adopting the Goal of Decarbonizing Operations at the Port of Hueneme

The Port of Hueneme 10-Year Strategic Plan 2025-2035 creates a visioning tool for Port that guides its commitment to a strong future, commerce, community and environment. Applicable goals are listed below:

In 2021, the Oxnard Harbor District–Port of Hueneme (District) Board of Harbor Commissioners adopted Resolution No. 1238, A Resolution of The Board of Harbor Commissioners of The Oxnard Harbor District Adopting the Goal of Future Zero Emission Operations at The Port of Hueneme. The resolution includes a variety of implementation measures to help the District achieve its goal of zero emissions at the Port. The Port’s 10-Year Strategic Plan establishes by when this goal will be achieved (year 2030). The resolution formally confirms the District’s commitment to achieving a decarbonized, zero emission future for Port operations. It reflects the District’s recognition of climate change, its sustainability leadership, and its role in protecting the local environment. Resolution No. 1238 outlines implementation measures to support progress toward this goal, including the following implementation measures that are applicable to the proposed project:

- The District will continue to implement projects for zero emission cargo handling.
- The District will continue to work with State and Federal partners, neighboring jurisdictions, tenants and customers to collaborate and secure funding for green infrastructure projects.

Port of Hueneme 10 Year Strategic Plan

Adopted in August 2024, the Port of Hueneme 10 year strategic plan 2025-2035 creates a visioning tool for Port of Hueneme that guides its commitment to a strong future, commerce, community and environment.¹¹ Applicable goals are listed below:

- | | |
|---------------|---|
| Goal 1 | Economic Vitality. Contribute to a vibrant and healthy economy by supporting businesses, job growth, and international commerce, while also ensuring a sustainable port organization. Optimize economic development tools of Foreign Trade Zone (FTZ) and World Trade Center (WTC) |
| Goal 2 | Infrastructure. Develop and maintain state of the art infrastructure that enhances productivity and efficiency while retaining and growing jobs in goods movement, reduces externalities, and strengthens the Port's competitive positioning. |
| Goal 3 | Environment. Be a leader in tackling climate change and clean energy transition while pursuing decarbonized, human operated zero emission port operations and reducing or avoiding environmental impacts from port operations and development where feasible. |
| Goal 4 | Innovation & Technology. Foster ideas, innovation, and leading-edge technologies for the advancement of ports, the maritime environment, community, and entrepreneurs. |
| Goal 5 | Social Equity, Community & Partners. Pursue policies and projects that address social inequity, strengthen the well-being of the communities in which we operate and develop partnerships that further our mission and vision. |

¹¹ Port of Hueneme, *10 year strategic plan*, 2024. Available online at: https://www.portofhueneme.org/wp-content/uploads/2024/12/Port-of-Hueneme-Strategic-Plan_Final_2024-12-12.pdf, accessed April 3, 2026.

4.0 AIR QUALITY ANALYSIS

4.1 THRESHOLDS AND METHODOLOGY

Thresholds of Significance

The impact analysis provided below is based on the application of the following *California Environmental Quality Act (CEQA) Guidelines* Appendix G, which indicates that a project would have a significant impact on air quality if it would:

- Conflict with or obstruct implementation of any applicable air quality plan.
- Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or state ambient air quality standard.
- Expose sensitive receptors to substantial pollutant concentrations.
- Result in other emissions (such as those leading to odors), adversely affecting a substantial number of people.

The *State CEQA Guidelines* (Section 15064.7) provide that, when available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make determinations of significance. The potential air quality impacts of the project are, therefore, evaluated according to thresholds developed by the VCAPCD in its *VCAPCD Guidelines* and subsequent guidance, which are listed below. While the *VCAPCD Guidelines*, contains significance thresholds for lead using the California and the federal government ambient air quality standards and thresholds as noted above in **Table 6** and **7**, construction and operation of the project will not exceed these established thresholds for lead. Furthermore, as discussed near the beginning of this section, the region is below the state and federal ambient air quality standards for lead. Therefore, lead emissions from the project will not cause an air quality violation and will not be analyzed further.

Project-level Air Quality Significance Thresholds

AQMP Consistency

A project with estimated emissions two pounds per day or greater of reactive organic compounds (ROC), or two pounds per day or greater of nitrogen oxides (NOx) that is inconsistent with the AQMP will have a significant cumulative adverse air quality impact. Inconsistent projects are usually those that cause the existing population to exceed the population forecasts contained in the most recently adopted AQMP. A

project with emissions below two pounds per day of ROC, and below two pounds per day of NO_x, is not required to assess consistency with the AQMP. Inconsistent projects are usually those that cause the existing population to exceed the population forecasts contained in the most recently adopted AQMP.

Ozone Precursors

The VCAPCD has issued thresholds for determining the level of significance for project-specific developments within Ventura County. Projects exceeding any of the criteria in the long term are considered to have significant impacts. For projects located outside of the Ojai Planning Area, the following are ROC and NO_x thresholds that the VCAPCD has determined will individually and cumulatively jeopardize attainment of the federal ozone standard, which will result in a significant adverse impact on air quality in Ventura County:

- Reactive Organic Compounds (ROC): 25 pounds per day.
- Nitrogen Oxides (NO_x): 25 pounds per day.
- A project which may cause an ambient air quality standard (state or federal) to be exceeded, or makes a substantial contribution to an already existing air quality standard. Substantial is defined as making measurably worse an existing or federal ambient air quality standard that is exceeded.

As stated in the VCAPCD Guidelines, construction-related emissions of ROC and NO_x are not counted towards the two significance thresholds, since these emissions are temporary. However, construction-related emissions should be mitigated if estimates of ROC and NO_x emissions from heavy-duty construction equipment anticipated to be used for a particular project exceed the 25 pounds per day threshold.

Toxic Air Contaminants

The VCAPCD Guidelines include significance thresholds for evaluating the health effects of TACs. The VCAPCD suggests the following thresholds in determining the significance of TACs from the construction and operation of proposed projects:

- If the proposed project would result in a lifetime probability of contracting cancer that is greater than 10 in 1 million (10×10^{-6}); and;
- If the proposed project would cause a Health Hazard Index of 1 or greater when evaluating for non-carcinogenic effects of TACs.

Odors

The VCAPCD Guidelines recommend that a proposed project include an assessment of the potential to cause a public nuisance by subjecting surrounding land uses to objectionable odors. A public nuisance is defined by VCAPCD Rule 51 (Nuisance) as “...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 to the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.”¹² The assessment also should evaluate the potential for a proposed project to be impacted by objectionable odors from nearby existing or proposed land uses. Any project that has the potential to create a public nuisance by subjecting members of the public to objectionable odors should be deemed to have a significant odor impact.

Valley Fever

San Joaquin Valley Fever (formally known as Coccidioidomycosis) is an infectious disease caused by the fungus *Coccidioides immitis*. Infection is caused by inhalation of *Coccidioides immitis* spores that have become airborne when dry, dusty soil or dirt is disturbed by wind, construction, farming, or other activities. The Valley Fever fungus tends to be found at the base of hillsides, in virgin, undisturbed soil and is found in the southwestern United States. In its primary form, symptoms appear as a mild upper respiratory infection, acute bronchitis, or pneumonia. The most common symptoms are fatigue, cough, chest pain, fever, rash, headache, and joint aches, although 60 percent of people infected are asymptomatic and do not seek medical attention. In the remaining 40 percent, symptoms range from mild to severe.

There is no recommended threshold for a significant San Joaquin Valley Fever impact. However, the following factors may indicate a project’s potential to create significant Valley Fever impacts:

- Disturbance of the topsoil of undeveloped land (to a depth of about 12 inches);
- Dry, alkaline, sandy soils;
- Virgin, undisturbed, non-urban areas;
- Windy areas;
- Archaeological resources probable or known to exist in the area (Native American midden sites);

¹² Ventura County Air Pollution Control District, *Ventura County Air Quality Assessment Guidelines*, (2003) 6-10.

- Special events (fairs, concerts) and motorized activities (motocross track, All Terrain Vehicle activities) on unvegetated soil (non-grass); and,
- Non-native population (i.e., out-of-area construction workers).

The lead agency should consider the factors above that are applicable to the project or the project site. The likelihood that the Valley Fever fungus may be present and impact nearby land uses (or the project itself) increases with the number of the above factors applicable to the project or the project site. Based on these or other factors, if a lead agency determines that project activities may create a significant Valley Fever impact, the VCAPCD recommends that the lead agency consider the Valley Fever mitigation measures listed in the VCAPCD Guidelines. These mitigation measures focus on fugitive dust control to minimize fungal spore entrainment, as well as minimizing worker exposure.

Cumulative-level Air Quality Significance Thresholds

The VCAPCD Guidelines recommend the following thresholds for determining the level of significance for cumulative long-term impacts within Ventura County:

- Any individual general development project located outside the Ojai Valley Planning Area and Ventura 1 Non-Growth area capable of emissions of 25 pounds per day of ROC and NO_x both individually and cumulatively have a significant impact on air quality in the County.
- Any cumulative project group which may cause an ambient air quality standard (state or federal) to be exceeded, or makes a substantial contribution to an already exceeded air quality standard.
- Any individual project with emissions greater than two pounds per day of ROC or two pounds per day of NO_x that is found to be inconsistent with the AQMP will have a significant cumulative air quality impact. A project with emissions below two pounds per day of ROC, and below two pounds per day of NO_x, is not required to assess consistency with the AQMP.
- Any General Plan Amendment or revision which would provide directly or indirectly for increased population growth above that forecasted in the most recently adopted AQMP will have a significant air quality impact.

Methodology

This analysis focuses on the nature and magnitude of the change in the air quality environment due to implementation of the project. Air pollutant emissions associated with the project would result from project operations and from project-related traffic volumes. Construction activities would also generate air

pollutant emissions at the project site and on roadways resulting from construction-related traffic. The net increase in project site emissions generated by these activities and other secondary sources have been quantitatively estimated and compared to applicable thresholds of significance recommended by the VCAPCD.

Construction Emissions

The regional construction emissions associated with the project were calculated using the California Emissions Estimator Model (CalEEMod Version 2022.1.1.41).¹³ CalEEMod was developed in collaboration with the air districts of California as a statewide land use emissions computer model designed to provide a uniform platform for government agencies, land use planners, and environmental professionals to quantify potential criteria pollutant and greenhouse gas (GHG) emissions associated with both construction and operations from a variety of land use projects.

Construction activities associated with demolition (warehouse), grading, and building construction (including finishing and paving) would generate pollutant emissions. Specifically, these construction activities would temporarily create emissions of dust, fumes, equipment exhaust, and other air contaminants. These construction emissions were compared to the thresholds established by the VCAPCD.

Operational Emissions

Operational emissions associated with the project were also calculated using CalEEMod 2022.1.1.41. Operational emissions associated with the project would include mobile source emissions, energy demand, and other area source emissions. Mobile source emissions are generated by the increase in motor vehicle trips to and from the project site. For purposes of this analysis, mobile source emissions include vehicle movements between the proposed project and regional vehicle processing centers, as well as associated shuttle van trips returning drivers to the Port. The operational emissions analysis is based on the forecast increase of 1,125 daily trips by horizon year 2046. Vessel emissions were not included in the operational emissions inventory because the proposed project would not directly increase vessel calls at the Port. To determine if a regional air quality impact would occur, the increase in emissions is compared to the VCAPCD's recommended regional thresholds for operational emissions.

¹³ VCAPCD. *Air Quality Assessment for CEQA*. Available online at: <http://www.vcapcd.org/environmental-review.html>, accessed April 3, 2026.

4.2 PROJECT IMPACTS

AQ Impact 1 Would implementation of the proposed project conflict with or obstruct implementation of any applicable air quality plan? (*Less than Significant*).

The primary objective of the Ventura County AQMP is to provide continuous air pollutant emission reductions over time, with the goal of attaining the federal and state standards. The VCAPCD's most recent AQMP was adopted in 2022 and establishes a comprehensive air pollution control program leading to the attainment of state and federal air quality standards in the Basin, which is in non-attainment for ozone (O₃) and particulate matter (PM₁₀). The AQMP also addresses the requirements set forth in the state and federal Clean Air Acts. As discussed below in **AQ Impact 2**, the project's air quality emissions would be below the VCAPCD operational significance thresholds and mitigation measures have been identified where appropriate consistent with VCAPCD recommendations.

As stated in the *VCAPCD Guidelines*, project consistency with the AQMP can be determined by comparing the actual population growth in the County with the projected growth rates used in the AQMP. The projected growth rate in population is used as an indicator of future emissions from population-related emission categories in the AQMP. These emission estimates are used, in part, to project the date by which Ventura County will attain the federal ozone standard. Therefore, a demonstration of consistency with the population forecasts used in the most recently adopted AQMP should be used for assessing project consistency with the AQMP.

The project would include construction and operation of a new aboveground vehicle parking structure and High-and-Heavy (HH) concrete pad at the Port. The parking structure and HH pad would serve as the transfer point between ocean-going vessels and off port vehicle processing facilities. Since the project is not proposing any uses that would result in an increase in population, the project would not have the potential to increase local or regional population estimates. Thus, impacts related to population growth would be less than significant.

As the project would not increase population, it would not have the potential to increase population figures over those that have been planned for the area, it would not jeopardize attainment of state and federal ambient air quality standards. For these reasons, the project would not conflict with or obstruct implementation of the applicable AQMP, and this impact would be less than significant.

AQ Impact 2 Would implementation of the proposed project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or state ambient air quality standard? (*Less than Significant with Mitigation Incorporated*).

Construction

Table 8, Construction-Related Criteria Pollutant and Precursor Emissions – Maximum Pounds per Day, identifies predicted maximum daily construction-generated emissions for the project. For purposes of this analysis, it is estimated that the project would be constructed in three phases beginning in 2027 and all components of the project being operational in 2030.

With the use of CalEEMod, emissions throughout project construction were calculated from off-road equipment usage, hauling vehicles, delivery trips, and worker trips to and from the site. **Table 8, Construction-Related Criteria Pollutant and Precursor Emissions – Maximum Pounds per Day (Unmitigated)**, identifies predicted maximum daily construction-generated emissions for the project. The analysis assumes that the construction equipment and activities would operate for one to eight hours each day. **Table 8** represents a worst-case scenario for construction activities.

Table 8
Construction-Related Criteria Pollutant and Precursor Emissions – Maximum Pounds per Day (Unmitigated)

Year)	ROC/ROG	NOx	CO	SO ₂	PM10	PM2.5
2027	3.14	35.16	30.72	0.11	6.99	3.10
2028	8.14	32.25	76.98	0.12	17.40	4.65
2029	7.60	31.10	73.57	0.12	17.35	4.61
2030	4.56	17.87	32.21	0.05	3.46	1.18
<i>Recommended Threshold</i>	25	25	-	-	-	-
Exceed Threshold?	No	Yes	No	No	No	No

Source: Impact Sciences, June 2026. See **Appendix A** to this report.

As stated in the *VCAPCD Guidelines*, construction-related emissions of ROC and NOx are not counted towards the two significance thresholds, since these emissions are temporary. Rather, the VCAPCD recommends the implementation of emission and dust control requirements for all construction projects with ROC/ROG or NOx emissions over 25 pounds per day. As shown in **Table 8**, construction would exceed 25 pounds per day of NOx emissions during years 2027, 2028, and 2029. As such, impacts would be potentially significant and mitigation measures are required (see below).

Valley Fever

Some health problems, particularly those of the eye and respiratory tract may be aggravated by fugitive dust. Such health problems include Coccidioidomycosis (also known by its common name, Valley Fever). Valley fever is contracted through breathing spores that become airborne through disturbance of the soil. However, Ventura County is not recognized as an area where Coccidioidomycosis is highly endemic.¹⁴ According to the Center of Disease Control (CDC), the average number of cases of Valley Fever in Ventura County residents from 2011 to 2017 was 6.0 to 20.9 cases per 100,000 people.¹⁵ The only large-scale outbreak in the County occurred in Simi Valley between January 24 and March 15, 1994, following the Northridge earthquake due to uncontrolled dust clouds created by landslides.^{16,17} Grading associated with the project would not result in fugitive dust emissions on the level of the Northridge earthquake. While construction of the project will result in the disturbance of topsoil, the project site is located on previously disturbed soil in a developed area, which has historically been subject to grading and placement of fill materials. As a result, the project would have a less than significant impact with respect to Valley Fever.

Operation

Project-generated emissions would be associated with motor vehicle use, and area sources. Operational emissions would also include mobile sources associated with on-site vehicle movement and equipment used to support Port operations, such as vehicle transporters, forklifts, and other cargo-handling equipment, which may be powered by diesel, or electricity depending on equipment type. The operational emissions from the project were calculated with CalEEMod and were compared against VCAPCD thresholds. Long-term operational emissions attributable to the project are summarized in **Table 9, Operational Criteria Pollutant and Precursor Emissions - Maximum Pounds per Day**. As shown, the operational emissions generated by the project would not exceed significance thresholds for ROC/ROG or NO_x.

¹⁴ Eileen Schneider and others, "A Coccidioidomycosis Outbreak Following the Northridge, Calif. Earthquake," *Journal of American Medicine* Vol. 277, No. 11 (March 19, 1997): 904.

¹⁵ Centers for Disease Control and Prevention, "Valley Fever Maps." Available online at: <https://www.cdc.gov/fungal/diseases/coccidioidomycosis/maps.html>, accessed April 5, 2026.

¹⁶ Schneider and others, "A Coccidioidomycosis Outbreak Following the Northridge, Calif. Earthquake," *Journal of American Medicine* Vol. 277, No. 11 (March 19, 1997): 904.

¹⁷ *Ibid.*

Table 9
Operational Criteria Pollutant and Precursor Emissions - Maximum Pounds per Day

Emissions Source	ROC/ROG	Emissions in Pounds per Day				
		NO _x	CO	SO _x	PM10	PM2.5
Mobile Source	3.37	1.41	12.61	0.02	1.92	0.50
Area Source	0.14					
Energy Source	0.00	0.00	0.00	0.00	0.00	0.00
Operational Equipment	0.10	1.27	1.80	0.00	0.02	0.02
Emissions Totals	3.61	2.68	14.42	0.02	1.94	0.52
Threshold	25	25	—	—	—	—
Exceeds Threshold?	No	No	—	—	—	—

*Source: Impact Sciences 2026. Emissions calculations are provided in **Appendix A**.
Totals in table may not appear to add exactly due to rounding in CalEEMod.*

Carbon Monoxide Hotspots

Motor vehicles are a primary source of pollutants within the project vicinity. Traffic congested roadways and intersections have the potential to generate localized levels of carbon monoxide (CO). Localized areas where ambient concentrations exceed state and/or federal standards are termed CO “hotspots.” CO is produced in greatest quantities from vehicle combustion and is usually concentrated at or near ground level because it does not readily disperse into the atmosphere. As a result, potential air quality impacts to sensitive receptors are assessed through an analysis of localized CO concentrations. Areas of vehicle congestion have the potential to create CO hotspots that exceed the state ambient air quality 1-hour standard of 20 ppm or the 8-hour standard of 9 ppm. The federal levels are less stringent than the state standards and are based on 1- and 8-hour standards of 35 and 9 ppm, respectively. Thus, an exceedance condition would occur, based on the state standards prior to exceedance of the federal standard.

In 2004, Ventura County stopped monitoring ambient CO, with the approval of the U.S. EPA because CO background concentrations in El Rio, Simi Valley, and Ojai were much lower than the State Ambient Air Quality Standard. Therefore, no CO hotspots are expected to occur anywhere in Ventura County and additional CO modeling analysis is not warranted. In addition, with more than 80% of the CO in urban areas emitted by motor vehicles, and with stricter, cleaner emission standards to the mobile fleet, CO ambient concentrations should remain at or lower than the most recent CO monitoring data available for Ventura County.

Long-term operations of the project would not result in exceedances of CO air quality standards at roadways in the area. This is due to three key factors. First, CO hotspots are extremely rare and only occur in the presence of unusual atmospheric conditions and extremely cold conditions, neither of which applies

to the project area. Second, auto-related emissions of CO continue to decline because of advances in fuel combustion technology in the vehicle fleet. Finally, the project would add a net increase of approximately 1,125 daily trips¹⁸ (See P1 Hueneme Parking Structure Project – Vehicle Miles Traveled Assessment) and would therefore not contribute to the levels of congestion that would be needed to produce the amount of emissions needed to trigger a potential CO hotspot.

Screening analysis guidelines for localized CO hotspot analyses from Caltrans recommend that projects in CO attainment areas focus on emissions from traffic intersections where air quality may get worse.¹⁹ Specifically, projects that significantly increase the percentage of vehicles operating in cold start mode, significantly increase traffic volumes, or worsen traffic flow should be considered for more rigorous CO modeling. The project is not anticipated to significantly increase traffic volumes or worsen traffic flow. In addition, the project would not significantly increase the percentage of vehicles operating in cold start mode or substantially worsen traffic flow. The impact would be less than significant, and no further analysis is required.

Mitigation Measures (AQ Impact 2)

As stated in Section 7.4.1 of the *VCAPCD Guidelines*, the project would implement fugitive dust measures to all project related dust-generating operations and activities. Due to the project's NOx emissions during construction, **MM AQ-1** is required.

MM AQ-1 All off-road diesel-powered construction equipment greater than 50 horsepower shall meet Tier 4 off-road emissions standards. In addition, all construction equipment shall be outfitted with the Best Available Control Technology (BACT) devices certified by CARB. Any emissions control device used by the contractor shall achieve emissions reductions that are no less than what could be achieved by a Level 3 diesel emissions control strategy for a similarly sized engine as defined by CARB regulations. A copy of each unit's certified tier specification, BACT determination, and CARB or VCAPCD operating permit shall be maintained on-site by the project contractor at the time of mobilization of each applicable unit of equipment.

¹⁸ This assumption equates the maximum number of vehicle trips exiting the site with the total daily auto imports. This approach is considered conservative, as vehicles can be stored within the proposed on-site parking structure for approximately four to five days, and the three (3) processing centers may not have the capacity to process up to 1,125 vehicles per day.

¹⁹ Caltrans, *Transportation Project-Level Carbon Monoxide Protocol*, updated October 13, 2010.

Level of Significance After Mitigation (AQ Impact 2)

Implementation of **MM AQ-1** would reduce emissions of NO_x during construction to a less than significant level. Specifically, as shown in **Table 10, Construction-Related Criteria Pollutant and Precursor Emissions – Maximum Pounds per Day (Mitigated)**, **MM AQ-1** would reduce peak NO_x emissions to below the VCAPCD threshold of 25 lbs/day. As such, impacts with respect to construction related emissions would be *less than significant*.

Table 10
Construction-Related Criteria Pollutant and Precursor Emissions – Maximum Pounds per Day (Mitigated)

Year	ROC/ROG	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}
2027	0.97	14.30	38.84	0.11	6.10	2.30
2028	7.27	22.04	79.66	0.12	17.02	4.31
2029	6.75	21.36	76.28	0.12	17.01	4.30
2030	3.75	8.47	34.94	0.05	3.15	0.90
Threshold	25	25	-	-	-	-
Exceed Threshold?	No	No	No	No	No	No

Source: Impact Sciences, June 2026. See **Appendix A** to this report.

Concurrent Construction and Operation Emissions

The project would be constructed in phases; therefore portions of the project may become operational while construction activities continue in other areas of the site. As a result, temporary overlap between construction-related emissions and operational emissions could occur during certain periods of the construction schedule.

To provide a conservative assessment, peak daily mitigated construction emissions were combined with peak daily operational emissions to represent a potential overlap scenario. This scenario is conservative because it assumes full project operation and peak day construction emissions together, while the likely potential overlapping scenario would only include approximately half of the proposed parking structure as operational. Nevertheless, **Table 10, Maximum Concurrent Construction and Operational Emissions - Maximum Pounds per Day** presents the estimated peak day concurrent construction and operational emissions. As shown, the worst-case overlap condition would not exceed significance thresholds for ROC/ROG or NO_x of 25 pounds per day. It is noted this overlapping scenario would be temporary and would occur only during limited periods when project operations and construction activities occur simultaneously. Furthermore, construction activities would remain subject to **Mitigation Measure AQ-1**.

Accordingly, impacts associated with temporary overlap of construction and operational activities would be less than significant.

Table 11
Maximum Concurrent Construction and Operational Emissions - Maximum Pounds per Day

	ROC/ROG	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}
Construction Emissions	6.75	22.04	79.66	0.12	17.02	4.31
Operational Emissions	3.61	2.68	14.42	0.02	1.94	0.52
Concurrent Emissions	10.36	24.72	94.08	0.14	18.96	4.83

Source: Impact Sciences, June 2026. See *Appendix A* to this report.

AQ Impact 3 Would implementation of the proposed project expose sensitive receptors to substantial air pollutant concentrations? (*Less than Significant*).

As defined in the *VCAPCD Guidelines*, sensitive receptors are facilities or land uses that include members of the population that are particularly sensitive to the effects of air pollutants, such as children, the elderly, and people with illnesses. Examples include schools, hospitals, and daycare centers. In addition, recreational areas are considered moderately sensitive to poor air quality because vigorous exercise associated with recreation places a high demand on human respiratory function. The closest air quality sensitive receptors to the project site include: 1) residences north of the project site along West Clara Street (72 feet); 2) residences east of the project site along Ponomo Street (288 feet); 3) Dowar Park southeast of the project site (468 feet).

Construction of the project would include demolition, site clearance and grading, placement of utilities, building construction, paving, application of architectural coatings, and finishing. Construction equipment and associated heavy-duty truck trips generate exhaust which contains diesel particulate matter (DPM), known as a toxic air contaminant (TAC).

The project would not include the operations of any land uses routinely involving the use, storage, or processing of carcinogenic or non-carcinogenic toxic air contaminants. Thus, no appreciable operational-related toxic airborne emissions would result from project implementation. With respect to construction, the construction activities associated with the project would be typical of other similar land use development projects in the region and would be subject to the regulations and laws relating to toxic air pollutants at the regional, state, and federal level that would protect sensitive receptors from substantial concentrations of these emissions.

Operational emissions associated with the development and operation of the project would result primarily from vehicle trips associated with automobile transport activities. The project would not substantially change the nature of Port operations but would accommodate vehicle staging within a structured facility and adjacent concrete pad. Vehicle trips associated with vessel unloading, staging, and distribution activities would continue to occur as under existing conditions, with a net increase of 1,125 daily trips as the project would facilitate an increase in the number of vehicles that could be held, processed at the site, and delivered off-site. As discussed above, the operational emissions generated by the project would be substantially below the significance thresholds for ROC/ROG or NO_x. Furthermore, the majority of these off-site deliveries would consist of passenger and light-duty vehicle trips which do not emit high quantities of TAC emissions. Therefore, the project would not have the potential to expose sensitive receptors to substantial air pollutant concentrations, and this impact would be less than significant.

Diesel Particulate Matter

Construction would result in the generation of DPM emissions from the use of off-road diesel equipment required for demolition, grading and excavation, building construction, and other construction activities. The amount to which the receptors are exposed (a function of concentration and duration of exposure) is the primary factor used to determine health risk (i.e., potential exposure to TAC emission levels that exceed applicable standards). Health-related risks associated with diesel-exhaust emissions are primarily linked to long-term exposure and the associated risk of contracting cancer.

In March 2015, OEHHA adopted revised guidelines that update previous guidance by incorporating advances in risk assessment with consideration of infants and children using Age Sensitivity Factors (ASF). The intent of the OEHHA 2015 guidance is to provide HRA procedures for use in the Air Toxics Hot Spots Program or for the permitting of existing, new, or modified stationary sources. As the project is not part of the Air Toxics Hot Spots Program and is considered a typical construction project consisting primarily of mobile and area sources (i.e., non-stationary sources), the OEHHA 2015 guidance is not directly applicable.

The use of diesel-powered construction equipment would be temporary and episodic. The duration of exposure would be short and exhaust from construction equipment dissipates rapidly. Current methodology for conducting health risk assessments is associated with long term exposure periods (9, 30, and 70 years). Therefore, short-term construction activities such as the project would not have the potential to generate significant health risks. As discussed above, the project would implement **MM AQ-1** due to NO_x emissions, requiring the use of tier 4 equipment during construction. This measure would also serve to substantially reduce DPM emissions during construction. Furthermore, construction would be subject to and would comply with California regulations limiting the idling of heavy-duty construction equipment to no more than five (5) minutes, which would further reduce nearby sensitive receptors' exposure to

temporary and variable DPM emissions.²⁰ For these reasons, DPM generated by construction activities would not expose sensitive receptors to substantial amounts of air toxics and these impacts would be less than significant.

AQ Impact 4 **Would the proposed project include sources that could create other emissions (such as those leading to odors) adversely affecting a substantial number of people? (*Less than Significant*).**

For impacts associated with odors, the VCAPCD considers specific land uses primarily associated with odor complaints such as wastewater treatment plants, landfills, composting operations, petroleum operations, food and byproduct processes, factories, and agricultural activities, such as livestock operations. The project would not include any of the land uses that have been identified by the VCAPCD as odor sources. Construction activities associated with the project may generate detectable odors from heavy-duty equipment exhaust and architectural coatings. However, construction-related odors would be short-term in nature and cease upon buildout. In addition, the project would be required to comply with the California Code of Regulations, Title 13, sections 2449(d)(3) and 2485, which minimizes the idling time of construction equipment either by shutting it off when not in use or by reducing the time of idling to no more than five minutes. This would reduce the detectable odors from heavy-duty equipment exhaust. Any odor impacts to existing adjacent land uses would be short-term and not substantial. Additionally, the project would comply with VCAPCD regulations regarding odor nuisances. Any project generated refuse would be stored in covered containers and removed at regular intervals in compliance with the Port's solid waste regulations which would prevent substantial nuisance odors from being perceived off the project site. Therefore, potential odor impacts associated with construction and operation of the project would be less than significant.

4.3 CUMULATIVE IMPACTS

The *VCAPCD Guidelines* identify thresholds for ROC and NO_x that the Ventura County Air Pollution Control Board has determined will individually and cumulatively jeopardize attainment of the federal one-hour ozone standard and thus have a significant adverse impact on air quality in Ventura County.

Construction

As discussed under **AQ Impact 2**, project construction would have the potential to exceed VCAPCD's threshold of 25 pounds per day for NO_x emissions. Implementation of **MM AQ-1** would reduce emissions

²⁰ California Air Resources Board, *Frequently Asked Questions Regulation for In-Use Off-Road Diesel-Fueled (Off-Road Regulation)*, 2014. Available online at: <https://ww2.arb.ca.gov/sites/default/files/classic/msprog/ordiesel/faq/fleetaverage.pdf>, accessed August 1, 2025

of NO_x during construction to a less than significant level. As such, the project's generation of air quality emissions during construction would not be cumulatively considerable, and cumulative construction impacts would be less than significant.

Operations and AQMP Consistency

The VCAPCD Guidelines state a project with emissions of two pounds per day or greater of ROC, or two pounds per day or greater of NO_x that is found to be inconsistent with the AQMP will have a significant cumulative adverse air quality impact. A project with emissions below two pounds per day of ROC, and below two pounds per day of NO_x, is not required to assess consistency with the AQMP. Inconsistent projects are usually those that cause the existing population to exceed the population forecasts contained in the most recently adopted AQMP.

As discussed in **AQ Impact 2**, the project's air quality emissions would be below the VCAPCD operational significance thresholds. And, as discussed in **AQ Impact 1**, project consistency with the AQMP can be determined by comparing actual population growth in the County with the population forecasts used in the AQMP. The project would not result in population growth because it would consist of a vehicle parking structure and HH pad and would not introduce residential uses or otherwise increase local or regional population estimates. Therefore, the project would not exceed the growth assumptions used in the AQMP or jeopardize attainment of state and federal ambient air quality standards. As such, the project would not have the potential to conflict with or obstruct implementation of the AQMP and the project's generation of operational air quality emissions would not be cumulatively considerable. Cumulative operational impacts would be less than significant.

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IMPACT 
SCIENCES

APPENDIX A

Air Quality Data

Port of Hueneme P1 Parking Structure Project (Demolition/Grading) Custom Report

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1 Basic Project Information

1.1 Basic Project Information

Data Field	Value
Project Name	Port of Hueneme P1 Parking Structure Project (Demoliton/Grading)
Construction Start Date	1/1/2027
Operational Year	2030
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3,20000
Precipitation (days)	16,0000
Location	34.150851043820865, -119.20327689927923
County	Ventura
City	Port Hueneme
Air District	Ventura County APCD
Air Basin	South Central Coast
TAZ	3418
EDFZ	8
Electric Utility	Southern California Edison
Gas Utility	Southern California Edison
App Version	2022.1.1.44

1.2 Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Enclosed Parking with Elevator	10,356.0	Space	10.8000	4,142,400	0.00000	—	—	—
Parking Lot	345.800	1000sqft	8.00000	345,800	0.00000	—	—	—

1.3 User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2 Emissions Summary

2.1 Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.89386	3.14203	34.8467	30.7160	0.11135	1.13910	5.84653	6.98563	1.05566	2.04276	3.09841	—	14,081.3	14,081.3	0.44644	1.19622	15.6553	14,464.6
Mit.	1.20153	0.97490	13.9899	38.8381	0.11132	0.25806	5.84653	6.10458	0.25463	2.04276	2.29739	—	14,077.8	14,077.8	0.44630	1.19619	15.6553	14,461.1
% Reduced	69%	69%	60%	-26%	—	77%	—	13%	76%	—	26%	—	< 0.5%	< 0.5%	—	—	—	< 0.5%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.88381	3.13395	35.1644	30.6497	0.11135	1.13910	5.84653	6.98563	1.05566	2.04276	3.09841	—	14,072.3	14,072.3	0.44688	1.19666	0.40625	14,440.4
Mit.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.88381	3.13395	35.1644	30.6497	0.11135	1.13910	5.84653	6.98563	1.05566	2.04276	3.09841	—	14,072.3	14,072.3	0.44688	1.19666	0.40625	14,440.4
Mit.	1.19148	0.96682	14.3076	38.7718	0.11132	0.25806	5.84653	6.10458	0.25463	2.04276	2.29739	—	14,068.7	14,068.7	0.44674	1.19663	0.40625	14,436.9
% Reduced	69%	68%	63%	-16%	—	79%	—	18%	78%	—	35%	—	< 0.5%	< 0.5%	—	—	—	< 0.5%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.43276	0.35433	3.66134	3.28330	0.00971	0.12701	0.43867	0.56568	0.11740	0.14503	0.26242	—	1,087.56	1,087.56	0.03588	0.07897	0.45150	1,112.44
Mit.	0.13547	0.11348	1.33922	3.80050	0.00970	0.02695	0.43867	0.46561	0.02623	0.14503	0.17126	—	1,087.35	1,087.35	0.03587	0.07897	0.45150	1,112.23
% Reduced	69%	68%	63%	-16%	< 0.5%	79%	—	18%	78%	—	35%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

2.2 Construction Emissions by Year

2.2.1 Total Construction Emissions by Year, Unmitigated

Includes both onsite and offsite emissions.

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	3.89386	3.14203	34.8467	30.7160	0.11135	1.13910	5.84653	6.98563	1.05566	2.04276	3.09841	—	14,081.3	14,081.3	0.44644	1.19622	15.6553	14,464.6
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	3.88381	3.13395	35.1644	30.6497	0.11135	1.13910	5.84653	6.98563	1.05566	2.04276	3.09841	—	14,072.3	14,072.3	0.44688	1.19666	0.40625	14,440.4
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	2.37127	1.94151	20.0621	17.9907	0.05318	0.69595	2.40366	3.09961	0.64327	0.79467	1.43793	—	6,568.90	6,568.90	0.21671	0.47701	2.72709	6,719.19
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.43276	0.35433	3.66134	3.28330	0.00971	0.12701	0.43867	0.56568	0.11740	0.14503	0.26242	—	1,087.56	1,087.56	0.03588	0.07897	0.45150	1,112.44

2.2.2 Onsite Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	3.50534	2.94546	25.5801	27.2816	0.06093	1.04307	3.61409	4.65716	0.95962	1.42870	2.38833	—	6,598.08	6,598.08	0.26765	0.05353	0.00000	6,620.72
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	3.50534	2.94546	25.5801	27.2816	0.06093	1.04307	3.61409	4.65716	0.95962	1.42870	2.38833	—	6,598.08	6,598.08	0.26765	0.05353	0.00000	6,620.72
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	2.20040	1.84797	16.2842	16.4508	0.03353	0.65852	1.47958	2.13810	0.60584	0.54281	1.14865	—	3,597.30	3,597.30	0.14592	0.02918	0.00000	3,609.65
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.40157	0.33725	2.97187	3.00227	0.00612	0.12018	0.27002	0.39020	0.11057	0.09906	0.20963	—	595.575	595.575	0.02416	0.00483	0.00000	597.619

2.2.3 Offsite Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.38851	0.19657	9.26660	3.43439	0.05042	0.09603	2.23243	2.32847	0.09603	0.61405	0.71009	—	7,483.25	7,483.25	0.17879	1.14269	15.6553	7,843.90
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.37847	0.18848	9.58428	3.36806	0.05042	0.09603	2.23243	2.32847	0.09603	0.61405	0.71009	—	7,474.18	7,474.18	0.17923	1.14313	0.40625	7,819.72
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.17087	0.09354	3.77790	1.53989	0.01965	0.03742	0.92408	0.96151	0.03742	0.25186	0.28928	—	2,971.60	2,971.60	0.07079	0.44782	2.72709	3,109.54
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.03118	0.01707	0.68947	0.28103	0.00359	0.00683	0.16865	0.17548	0.00683	0.04596	0.05279	—	491.981	491.981	0.01172	0.07414	0.45150	514.820

2.2.4 Total Construction Emissions by Year, Mitigated

Includes both onsite and offsite emissions.

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.20153	0.97490	13.9899	38.8381	0.11132	0.25806	5.84653	6.10458	0.25463	2.04276	2.29739	—	14,077.8	14,077.8	0.44630	1.19619	15.6553	14,461.1
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.19148	0.96682	14.3076	38.7718	0.11132	0.25806	5.84653	6.10458	0.25463	2.04276	2.29739	—	14,068.7	14,068.7	0.44674	1.19663	0.40625	14,436.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.74233	0.62178	7.33821	20.8247	0.05317	0.14765	2.40366	2.55131	0.14375	0.79467	0.93841	—	6,567.63	6,567.63	0.21666	0.47700	2.72709	6,717.92
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.13547	0.11348	1.33922	3.80050	0.00970	0.02695	0.43867	0.46561	0.02623	0.14503	0.17126	—	1,087.35	1,087.35	0.03587	0.07897	0.45150	1,112.23

2.2.5 Onsite Construction Emissions by Year, Mitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.81301	0.77833	5.24057	35.4037	0.06090	0.16202	3.61409	3.77611	0.15860	1.42870	1.58730	—	6,594.56	6,594.56	0.26750	0.05350	0.00000	6,617.19
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.81301	0.77833	5.24057	35.4037	0.06090	0.16202	3.61409	3.77611	0.15860	1.42870	1.58730	—	6,594.56	6,594.56	0.26750	0.05350	0.00000	6,617.19
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.57146	0.52824	3.56031	19.2848	0.03352	0.11023	1.47958	1.58980	0.10632	0.54281	0.64913	—	3,596.03	3,596.03	0.14587	0.02917	0.00000	3,608.37
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.10429	0.09640	0.64976	3.51948	0.00612	0.02012	0.27002	0.29014	0.01940	0.09906	0.11847	—	595.364	595.364	0.02415	0.00483	0.00000	597.407

2.2.6 Offsite Construction Emissions by Year, Mitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.38851	0.19657	9.26660	3.43439	0.05042	0.09603	2.23243	2.32847	0.09603	0.61405	0.71009	—	7,483.25	7,483.25	0.17879	1.14269	15.6553	7,843.90
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.37847	0.18848	9.58428	3.36806	0.05042	0.09603	2.23243	2.32847	0.09603	0.61405	0.71009	—	7,474.18	7,474.18	0.17923	1.14313	0.40625	7,819.72
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.17087	0.09354	3.77790	1.53989	0.01965	0.03742	0.92408	0.96151	0.03742	0.25186	0.28928	—	2,971.60	2,971.60	0.07079	0.44782	2.72709	3,109.54
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.03118	0.01707	0.68947	0.28103	0.00359	0.00683	0.16865	0.17548	0.00683	0.04596	0.05279	—	491.981	491.981	0.01172	0.07414	0.45150	514.820

3 Construction Emissions Details

3.1 Demolition (2027)

3.1.1 Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road	2.63907	2.21478	19.9005	18.6307	0.03253	0.79594	—	0.79594	0.73226	—	0.73226	—	3,426.90	3,426.90	0.13901	0.02780	—	3,438.66
Demolition	—	—	—	—	—	—	0.48826	0.48826	—	0.07394	0.07394	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road	2.63907	2.21478	19.9005	18.6307	0.03253	0.79594	—	0.79594	0.73226	—	0.73226	—	3,426.90	3,426.90	0.13901	0.02780	—	3,438.66
Equipment	—	—	—	—	—	—	0.48826	0.48826	—	0.07394	0.07394	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road	0.93271	0.78276	7.03334	6.58455	0.01150	0.28130	—	0.28130	0.25880	—	0.25880	—	1,211.15	1,211.15	0.04913	0.00983	—	1,215.31
Equipment	—	—	—	—	—	—	0.17256	0.17256	—	0.02613	0.02613	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road	0.17022	0.14285	1.28358	1.20168	0.00210	0.05134	—	0.05134	0.04723	—	0.04723	—	200.520	200.520	0.00813	0.00163	—	201.208
Equipment	—	—	—	—	—	—	0.03149	0.03149	—	0.00477	0.00477	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.1.2 Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06630	0.05919	0.05886	0.82376	0.00000	0.00000	0.19606	0.19606	0.00000	0.04596	0.04596	—	193.155	193.155	0.00265	0.00711	0.66926	196.009
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.02382	0.00934	0.72925	0.18541	0.00400	0.00762	0.15644	0.16406	0.00762	0.04387	0.05150	—	573.498	573.498	0.01391	0.08994	1.17172	601.820
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06597	0.05853	0.06663	0.74340	0.00000	0.00000	0.19606	0.19606	0.00000	0.04596	0.04596	—	184.624	184.624	0.00298	0.00744	0.01732	186.933
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.02306	0.00877	0.75364	0.18865	0.00400	0.00762	0.15644	0.16406	0.00762	0.04387	0.05150	—	573.681	573.681	0.01391	0.08994	0.03041	600.862
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02320	0.02057	0.02332	0.26350	0.00000	0.00000	0.06858	0.06858	0.00000	0.01606	0.01606	—	65.7245	65.7245	0.00105	0.00263	0.10203	66.6365
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00835	0.00323	0.26797	0.06600	0.00141	0.00269	0.05485	0.05754	0.00269	0.01540	0.01809	—	202.715	202.715	0.00492	0.03179	0.17894	212.490
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00423	0.00375	0.00426	0.04809	0.00000	0.00000	0.01252	0.01252	0.00000	0.00293	0.00293	—	10.8814	10.8814	0.00017	0.00044	0.01689	11.0324
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00152	0.00059	0.04890	0.01204	0.00026	0.00049	0.01001	0.01050	0.00049	0.00281	0.00330	—	33.5619	33.5619	0.00081	0.00526	0.02962	35.1802

3.1.3 Onsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78500	0.69820	5.24057	18.3385	0.03253	0.14609	—	0.14609	0.13855	—	0.13855	—	3,426.90	3,426.90	0.13901	0.02780	—	3,438.66
Demolition	—	—	—	—	—	—	0.48826	0.48826	—	0.07394	0.07394	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78500	0.69820	5.24057	18.3385	0.03253	0.14609	—	0.14609	0.13855	—	0.13855	—	3,426.90	3,426.90	0.13901	0.02780	—	3,438.66
Demolition	—	—	—	—	—	—	0.48826	0.48826	—	0.07394	0.07394	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27744	0.24676	1.85215	6.48126	0.01150	0.05163	—	0.05163	0.04897	—	0.04897	—	1,211.15	1,211.15	0.04913	0.00983	—	1,215.31
Demolition	—	—	—	—	—	—	0.17256	0.17256	—	0.02613	0.02613	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05063	0.04503	0.33802	1.18283	0.00210	0.00942	—	0.00942	0.00894	—	0.00894	—	200.520	200.520	0.00813	0.00163	—	201.208
Demolition	—	—	—	—	—	—	0.03149	0.03149	—	0.00477	0.00477	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.1.4 Offsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06630	0.05919	0.05886	0.82376	0.00000	0.00000	0.19606	0.19606	0.00000	0.04596	0.04596	—	193.155	193.155	0.00265	0.00711	0.66926	196.009
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.02382	0.00934	0.72925	0.18541	0.00400	0.00762	0.15644	0.16406	0.00762	0.04387	0.05150	—	573.498	573.498	0.01391	0.08994	1.17172	601.820
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06597	0.05853	0.06663	0.74340	0.00000	0.00000	0.19606	0.19606	0.00000	0.04596	0.04596	—	184.624	184.624	0.00298	0.00744	0.01732	186.933
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.02306	0.00877	0.75364	0.18865	0.00400	0.00762	0.15644	0.16406	0.00762	0.04387	0.05150	—	573.681	573.681	0.01391	0.08994	0.03041	600.862
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02320	0.02057	0.02332	0.26350	0.00000	0.00000	0.06858	0.06858	0.00000	0.01606	0.01606	—	65.7245	65.7245	0.00105	0.00263	0.10203	66.6365
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00835	0.00323	0.26797	0.06600	0.00141	0.00269	0.05485	0.05754	0.00269	0.01540	0.01809	—	202.715	202.715	0.00492	0.03179	0.17894	212.490
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00423	0.00375	0.00426	0.04809	0.00000	0.00000	0.01252	0.01252	0.00000	0.00293	0.00293	—	10.8814	10.8814	0.00017	0.00044	0.01689	11.0324
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00152	0.00059	0.04890	0.01204	0.00026	0.00049	0.01001	0.01050	0.00049	0.00281	0.00330	—	33.5619	33.5619	0.00081	0.00526	0.02962	35.1802

3.2 Grading (2027)

3.2.1 Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.50534	2.94546	25.5801	27.2816	0.06093	1.04307	—	1.04307	0.95962	—	0.95962	—	6,598.08	6,598.08	0.26765	0.05353	—	6,620.72
Dust From Material Movement	—t	—	—	—	—	—	3.61409	3.61409	—	1.42870	1.42870	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.50534	2.94546	25.5801	27.2816	0.06093	1.04307	—	1.04307	0.95962	—	0.95962	—	6,598.08	6,598.08	0.26765	0.05353	—	6,620.72
Dust From Material Movement	—t	—	—	—	—	—	3.61409	3.61409	—	1.42870	1.42870	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.26769	1.06521	9.25089	9.86624	0.02203	0.37722	—	0.37722	0.34704	—	0.34704	—	2,386.15	2,386.15	0.09679	0.01936	—	2,394.34
Dust From Material Movement	—t	—	—	—	—	—	1.30701	1.30701	—	0.51668	0.51668	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23135	0.19440	1.68829	1.80059	0.00402	0.06884	—	0.06884	0.06334	—	0.06334	—	395.055	395.055	0.01603	0.00321	—	396.411
Dust From Material Movement	—t	—	—	—	—	—	0.23853	0.23853	—	0.09429	0.09429	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.2 Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08841	0.07893	0.07848	1.09834	0.00000	0.00000	0.26142	0.26142	0.00000	0.06128	0.06128	—	257.540	257.540	0.00353	0.00948	0.89235	261.345
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.30011	0.11764	9.18812	2.33604	0.05042	0.09603	1.97102	2.06705	0.09603	0.55278	0.64881	—	7,225.71	7,225.71	0.17526	1.13321	14.7629	7,582.55
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08796	0.07804	0.08885	0.99120	0.00000	0.00000	0.26142	0.26142	0.00000	0.06128	0.06128	—	246.165	246.165	0.00397	0.00992	0.02310	249.244
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.29050	0.11044	9.49543	2.37686	0.05042	0.09603	1.97102	2.06705	0.09603	0.55278	0.64881	—	7,228.02	7,228.02	0.17526	1.13321	0.38315	7,570.48
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03165	0.02806	0.03181	0.35950	0.00000	0.00000	0.09357	0.09357	0.00000	0.02192	0.02192	—	89.6706	89.6706	0.00144	0.00359	0.13921	90.9149
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.10766	0.04168	3.45480	0.85089	0.01823	0.03473	0.70709	0.74182	0.03473	0.19848	0.23321	—	2,613.48	2,613.48	0.06338	0.40982	2.30691	2,739.50
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00578	0.00512	0.00581	0.06561	0.00000	0.00000	0.01708	0.01708	0.00000	0.00400	0.00400	—	14.8460	14.8460	0.00024	0.00059	0.02305	15.0520
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.01965	0.00761	0.63050	0.15529	0.00333	0.00634	0.12904	0.13538	0.00634	0.03622	0.04256	—	432.692	432.692	0.01049	0.06785	0.38194	453.556

3.2.3 Onsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81301	0.77833	4.72332	35.4037	0.06090	0.16202	—	0.16202	0.15860	—	0.15860	—	6,594.56	6,594.56	0.26750	0.05350	—	6,617.19
Dust From Material Movement	—t	—	—	—	—	—	3.61409	3.61409	—	1.42870	1.42870	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81301	0.77833	4.72332	35.4037	0.06090	0.16202	—	0.16202	0.15860	—	0.15860	—	6,594.56	6,594.56	0.26750	0.05350	—	6,617.19
Dust From Material Movement	—t	—	—	—	—	—	3.61409	3.61409	—	1.42870	1.42870	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29402	0.28148	1.70816	12.8035	0.02202	0.05859	—	0.05859	0.05736	—	0.05736	—	2,384.88	2,384.88	0.09674	0.01935	—	2,393.07
Dust From Material Movement	—t	—	—	—	—	—	1.30701	1.30701	—	0.51668	0.51668	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05366	0.05137	0.31174	2.33664	0.00402	0.01069	—	0.01069	0.01047	—	0.01047	—	394.845	394.845	0.01602	0.00320	—	396.200
Dust From Material Movement	—t	—	—	—	—	—	0.23853	0.23853	—	0.09429	0.09429	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.4 Offsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08841	0.07893	0.07848	1.09834	0.00000	0.00000	0.26142	0.26142	0.00000	0.06128	0.06128	—	257.540	257.540	0.00353	0.00948	0.89235	261.345
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.30011	0.11764	9.18812	2.33604	0.05042	0.09603	1.97102	2.06705	0.09603	0.55278	0.64881	—	7,225.71	7,225.71	0.17526	1.13321	14.7629	7,582.55
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08796	0.07804	0.08885	0.99120	0.00000	0.00000	0.26142	0.26142	0.00000	0.06128	0.06128	—	246.165	246.165	0.00397	0.00992	0.02310	249.244
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.29050	0.11044	9.49543	2.37686	0.05042	0.09603	1.97102	2.06705	0.09603	0.55278	0.64881	—	7,228.02	7,228.02	0.17526	1.13321	0.38315	7,570.48
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03165	0.02806	0.03181	0.35950	0.00000	0.00000	0.09357	0.09357	0.00000	0.02192	0.02192	—	89.6706	89.6706	0.00144	0.00359	0.13921	90.9149
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.10766	0.04168	3.45480	0.85089	0.01823	0.03473	0.70709	0.74182	0.03473	0.19848	0.23321	—	2,613.48	2,613.48	0.06338	0.40982	2.30691	2,739.50
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00578	0.00512	0.00581	0.06561	0.00000	0.00000	0.01708	0.01708	0.00000	0.00400	0.00400	—	14.8460	14.8460	0.00024	0.00059	0.02305	15.0520
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.01965	0.00761	0.63050	0.15529	0.00333	0.00634	0.12904	0.13538	0.00634	0.03622	0.04256	—	432.692	432.692	0.01049	0.06785	0.38194	453.556

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	1/1/2027	6/30/2027	5.00000	129.000	—
Grading	Grading	7/1/2027	12/31/2027	5.00000	132.000	—

5.2 Off-Road Equipment

5.2.1 Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.000000	8.00000	33.0000	0.73000
Demolition	Excavators	Diesel	Average	3.00000	8.00000	36.0000	0.38000
Demolition	Rubber Tired Dozers	Diesel	Average	2.00000	8.00000	367.000	0.40000
Grading	Excavators	Diesel	Average	2.00000	8.00000	36.0000	0.38000
Grading	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Grading	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Grading	Scrapers	Diesel	Average	2.00000	8.00000	423.000	0.48000
Grading	Tractors/Loaders/Back hoes	Diesel	Average	2.00000	8.00000	84.0000	0.37000

5.2.2 Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.000000	8.00000	33.0000	0.73000
Demolition	Excavators	Diesel	Average	3.00000	8.00000	36.0000	0.38000
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00000	8.00000	367.000	0.40000
Grading	Excavators	Diesel	Average	2.00000	8.00000	36.0000	0.38000
Grading	Graders	Diesel	Tier 4 Final	1.000000	8.00000	148.000	0.41000
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.000000	8.00000	367.000	0.40000
Grading	Scrapers	Diesel	Tier 4 Final	2.00000	8.00000	423.000	0.48000
Grading	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00000	8.00000	84.0000	0.37000

5.3 Construction Vehicles

5.3.1 Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	Worker	15.0000	18.5000	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2000	HHDT,MHDT
Demolition	Hauling	8.64341	20.0000	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	Worker	20.0000	18.5000	LDA,LDT1,LDT2
Grading	Vendor	—	10.2000	HHDT,MHDT
Grading	Hauling	108.902	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT

5.3.2 Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	Worker	15.0000	18.5000	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2000	HHDT,MHDT
Demolition	Hauling	8.64341	20.0000	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	Worker	20.0000	18.5000	LDA,LDT1,LDT2
Grading	Vendor	—	10.2000	HHDT,MHDT
Grading	Hauling	108.902	20.0000	HHDT
Grading	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

5.6 Dust Mitigation

5.6.1 Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres
Demolition	0.00000	0.00000	0.00000	96,870.0	0.0
Grading	40,000.0	75,000.0	135.000	0.00000	0.0

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

5.8 Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2027	0.00000	531.983	0.03300	0.00400

8 User Changes to Default Data

8.1 Justifications

Screen	Justification
Land Use	Based on the 6/3/26 Project Site Plan
Construction: Construction Phases	Based on 6/3/26 project construction schedule
Construction: Dust From Material Movement	Based on project soil import/export required
Construction: Paving	Based on construction schedule
Operations: Vehicle Data	Based on the project's traffic analysis data yielding 1125 ADT. VMT based on an estimated up to 10 miles of travel to off site facilities for processing.

8.3 Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	93.2040	10.8000
Landscape Area	sq. ft	—	0.00000
Lot Area	acre	7.93848	8.00000
Landscape Area	sq. ft	—	0.00000

8.4 Construction

8.4.1 Construction Phases

Phase Type	Phase Name	Model Parameter	Default Value	New Value
Demolition	Demolition	End Date	1/29/2027	6/30/2027
Demolition	Demolition	Work Days per Phase	20.0000	129.000
Grading	Grading	Start Date	2/14/2027	7/1/2027
Grading	Grading	End Date	3/28/2027	12/31/2027
Grading	Grading	Work Days per Phase	30.0000	132.000

8.4.2 Dust from Material Movement

Phase Name	Model Parameter	Units	Default Value	New Value
Grading	Material Imported	Cubic Yards	—	40,000.0
Grading	Material Exported	Cubic Yards	—	75,000.0
Grading	Total Acres Graded	acres	396.000	135.000

Port of Hueneme P1 Parking Structure Project (Demolition/Grading) Custom Report

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1 Basic Project Information

1.1 Basic Project Information

Data Field	Value
Project Name	Port of Hueneme P1 Parking Structure Project (Phase 1)
Construction Start Date	1/1/2027
Operational Year	2030
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.20000
Precipitation (days)	16.0000
Location	34.150851043820865, -119.20327689927923
County	Ventura
City	Port Hueneme
Air District	Ventura County APCD
Air Basin	South Central Coast
TAZ	3418
EDFZ	8
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.44

1.2 Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Enclosed Parking with Elevator	5,178.00	Space	5.40000	2,071,200	0.00000	—	—	—

1.3 User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2 Emissions Summary

2.1 Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.01790	4.53526	23.1611	61.4897	0.09974	0.37658	14.2749	14.6515	0.35256	3.46767	3.82023	—	23,241.4	23,241.4	0.36022	1.85823	55.90
Mit.	4.32980	3.98860	17.2771	63.4974	0.09974	0.17011	14.2749	14.4450	0.16577	3.46767	3.63344	—	23,241.4	23,241.4	0.36022	1.85823	55.90
% Reduced	14%	12%	25%	-3%	—	55%	—	1%	53%	—	5%	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.79481	8.14272	32.2491	76.9697	0.11542	0.64747	16.7451	17.3926	0.60178	4.04667	4.64846	—	26,689.6	26,689.6	0.49530	1.98450	1.645
Mit.	7.69519	7.26888	22.0367	79.6601	0.11542	0.27250	16.7451	17.0176	0.26183	4.04667	4.30850	—	26,689.6	26,689.6	0.49530	1.98450	1.645
% Reduced	13%	11%	32%	-3%	—	58%	—	2%	56%	—	7%	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.99297	3.64337	18.0160	43.1313	0.07289	0.30016	10.3553	10.6555	0.28050	2.51230	2.79280	—	16,730.5	16,730.5	0.27671	1.33580	17.56
Mit.	3.45434	3.21542	13.3148	44.6419	0.07289	0.13324	10.3553	10.4886	0.12940	2.51230	2.64170	—	16,730.5	16,730.5	0.27671	1.33580	17.56
% Reduced	13%	12%	26%	-4%	—	56%	—	2%	54%	—	5%	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.72872	0.66491	3.28792	7.87146	0.01330	0.05478	1.88985	1.94463	0.05119	0.45850	0.50969	—	2,769.92	2,769.92	0.04581	0.22116	2.907
Mit.	0.63042	0.58681	2.42995	8.14714	0.01330	0.02432	1.88985	1.91416	0.02362	0.45850	0.48211	—	2,769.92	2,769.92	0.04581	0.22116	2.907
% Reduced	13%	12%	26%	-4%	—	56%	—	2%	54%	—	5%	—	—	—	—	—	—

2.2 Construction Emissions by Year

2.2.1 Total Construction Emissions by Year, Unmitigated

Includes both onsite and offsite emissions.

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	5.01790	4.53526	23.1611	61.4897	0.09974	0.37658	14.2749	14.6515	0.35256	3.46767	3.82023	—	23,241.4	23,241.4	0.36022	1.85823	55.9083	23,860.0
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	8.79481	8.14272	32.2491	76.9697	0.11542	0.64747	16.7451	17.3926	0.60178	4.04667	4.64846	—	26,689.6	26,689.6	0.49530	1.98450	1.64581	27,295.0
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	3.99297	3.64337	18.0160	43.1313	0.07289	0.30016	10.3553	10.6555	0.28050	2.51230	2.79280	—	16,730.5	16,730.5	0.27671	1.33580	17.5642	17,153.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.72872	0.66491	3.28792	7.87146	0.01330	0.05478	1.88985	1.94463	0.05119	0.45850	0.50969	—	2,769.92	2,769.92	0.04581	0.22116	2.90795	2,839.88

2.2.2 Onsite Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	1.18481	0.99143	8.92495	12.9352	0.02340	0.30024	0.00000	0.30024	0.27622	0.00000	0.27622	—	2,397.46	2,397.46	0.09725	0.01945	0.00000	2,405.68
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	4.28595	3.93978	16.3606	23.9635	0.03908	0.57114	0.00000	0.57114	0.52544	0.00000	0.52544	—	4,042.00	4,042.00	0.16396	0.03279	0.00000	4,055.88
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	1.20932	1.05357	7.23348	10.5134	0.01852	0.24578	0.00000	0.24578	0.22612	0.00000	0.22612	—	1,901.52	1,901.52	0.07713	0.01543	0.00000	1,908.04
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.22070	0.19228	1.32011	1.91869	0.00338	0.04486	0.00000	0.04486	0.04127	0.00000	0.04127	—	314.818	314.818	0.01277	0.00255	0.00000	315.899

2.2.3 Offsite Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	3.83309	3.54383	14.2361	48.5545	0.07634	0.07634	14.2749	14.3513	0.07634	3.46767	3.54401	—	20,843.9	20,843.9	0.26297	1.83878	55.9083	21,454.4
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	4.50887	4.20294	15.8884	53.0062	0.07634	0.07634	16.7451	16.8214	0.07634	4.04667	4.12301	—	22,647.6	22,647.6	0.33134	1.95170	1.64581	23,239.1
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	2.78366	2.58980	10.7825	32.6179	0.05438	0.05438	10.3553	10.4097	0.05438	2.51230	2.56668	—	14,829.0	14,829.0	0.19958	1.32037	17.5642	15,245.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.50802	0.47264	1.96781	5.95277	0.00992	0.00992	1.88985	1.89977	0.00992	0.45850	0.46842	—	2,455.10	2,455.10	0.03304	0.21860	2.90795	2,523.98

2.2.4 Total Construction Emissions by Year, Mitigated

Includes both onsite and offsite emissions.

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	4.32980	3.98860	17.2771	63.4974	0.09974	0.17011	14.2749	14.4450	0.16577	3.46767	3.63344	—	23,241.4	23,241.4	0.36022	1.85823	55.9083	23,860.0
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	7.69519	7.26888	22.0367	79.6601	0.11542	0.27250	16.7451	17.0176	0.26183	4.04667	4.30850	—	26,689.6	26,689.6	0.49530	1.98450	1.64581	27,295.0
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	3.45434	3.21542	13.3148	44.6419	0.07289	0.13324	10.3553	10.4886	0.12940	2.51230	2.64170	—	16,730.5	16,730.5	0.27671	1.33580	17.5642	17,153.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.63042	0.58681	2.42995	8.14714	0.01330	0.02432	1.88985	1.91416	0.02362	0.45850	0.48211	—	2,769.92	2,769.92	0.04581	0.22116	2.90795	2,839.88

2.2.5 Onsite Construction Emissions by Year, Mitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.49671	0.44477	3.04102	14.9430	0.02340	0.09378	0.00000	0.09378	0.08943	0.00000	0.08943	—	2,397.46	2,397.46	0.09725	0.01945	0.00000	2,405.68
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	3.18632	3.06593	6.14830	26.6539	0.03908	0.19616	0.00000	0.19616	0.18549	0.00000	0.18549	—	4,042.00	4,042.00	0.16396	0.03279	0.00000	4,055.88
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.67068	0.62562	2.53227	12.0240	0.01852	0.07886	0.00000	0.07886	0.07502	0.00000	0.07502	—	1,901.52	1,901.52	0.07713	0.01543	0.00000	1,908.04
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.12240	0.11418	0.46214	2.19437	0.00338	0.01439	0.00000	0.01439	0.01369	0.00000	0.01369	—	314.818	314.818	0.01277	0.00255	0.00000	315.899

2.2.6 Offsite Construction Emissions by Year, Mitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	3.83309	3.54383	14.2361	48.5545	0.07634	0.07634	14.2749	14.3513	0.07634	3.46767	3.54401	—	20,843.9	20,843.9	0.26297	1.83878	55.9083	21,454.4
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	4.50887	4.20294	15.8884	53.0062	0.07634	0.07634	16.7451	16.8214	0.07634	4.04667	4.12301	—	22,647.6	22,647.6	0.33134	1.95170	1.64581	23,239.1
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	2.78366	2.58980	10.7825	32.6179	0.05438	0.05438	10.3553	10.4097	0.05438	2.51230	2.56668	—	14,829.0	14,829.0	0.19958	1.32037	17.5642	15,245.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.50802	0.47264	1.96781	5.95277	0.00992	0.00992	1.88985	1.89977	0.00992	0.45850	0.46842	—	2,455.10	2,455.10	0.03304	0.21860	2.90795	2,523.98

3 Construction Emissions Details

3.1 Building Construction (2028)

3.1.1 Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road	1.18481	0.99143	8.92495	12.9352	0.02340	0.30024	—	0.30024	0.27622	—	0.27622	—	2,397.46	2,397.46	0.09725	0.01945	—	2,405.68
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18481	0.99143	8.92495	12.9352	0.02340	0.30024	—	0.30024	0.27622	—	0.27622	—	2,397.46	2,397.46	0.09725	0.01945	—	2,405.68
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.84398	0.70623	6.35750	9.21415	0.01667	0.21387	—	0.21387	0.19676	—	0.19676	—	1,707.78	1,707.78	0.06927	0.01385	—	1,713.64
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15403	0.12889	1.16024	1.68158	0.00304	0.03903	—	0.03903	0.03591	—	0.03591	—	282.742	282.742	0.01147	0.00229	—	283.712
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.1.2 Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.39452	3.31781	3.02055	44.9247	0.00000	0.00000	11.3705	11.3705	0.00000	2.66522	2.66522	—	10,998.7	10,998.7	0.13425	0.41233	35.0583	11,160.0
Vendor	0.43856	0.22602	11.2156	3.62975	0.07634	0.07634	2.90447	2.98081	0.07634	0.80246	0.87879	—	9,845.22	9,845.22	0.12873	1.42646	20.8499	10,294.4
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.35617	3.27946	3.47124	40.4658	0.00000	0.00000	11.3705	11.3705	0.00000	2.66522	2.66522	—	10,513.3	10,513.3	0.17260	0.43151	0.90817	10,647.1
Vendor	0.42360	0.21105	11.6631	3.74950	0.07634	0.07634	2.90447	2.98081	0.07634	0.80246	0.87879	—	9,850.38	9,850.38	0.12124	1.42646	0.54035	10,279.0
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.39069	2.34971	2.44534	28.9547	0.00000	0.00000	8.01629	8.01629	0.00000	1.87771	1.87771	—	7,543.35	7,543.35	0.10929	0.29371	10.7699	7,644.38
Vendor	0.30707	0.15567	8.24932	2.62289	0.05438	0.05438	2.05103	2.10541	0.05438	0.56714	0.62151	—	7,014.58	7,014.58	0.08636	1.01611	6.40736	7,325.95
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.43630	0.42882	0.44627	5.28424	0.00000	0.00000	1.46297	1.46297	0.00000	0.34268	0.34268	—	1,248.89	1,248.89	0.01809	0.04863	1.78307	1,265.61
Vendor	0.05604	0.02841	1.50550	0.47868	0.00992	0.00992	0.37431	0.38424	0.00992	0.10350	0.11343	—	1,161.34	1,161.34	0.01430	0.16823	1.06081	1,212.89
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.1.3 Onsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49671	0.44477	3.04102	14.9430	0.02340	0.09378	—	0.09378	0.08943	—	0.08943	—	2,397.46	2,397.46	0.09725	0.01945	—	2,405.68
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49671	0.44477	3.04102	14.9430	0.02340	0.09378	—	0.09378	0.08943	—	0.08943	—	2,397.46	2,397.46	0.09725	0.01945	—	2,405.68
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35382	0.31682	2.16621	10.6443	0.01667	0.06680	—	0.06680	0.06371	—	0.06371	—	1,707.78	1,707.78	0.06927	0.01385	—	1,713.64
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06457	0.05782	0.39533	1.94259	0.00304	0.01219	—	0.01219	0.01163	—	0.01163	—	282.742	282.742	0.01147	0.00229	—	283.712
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.1.4 Offsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.39452	3.31781	3.02055	44.9247	0.00000	0.00000	11.3705	11.3705	0.00000	2.66522	2.66522	—	10,998.7	10,998.7	0.13425	0.41233	35.0583	11,160.0
Vendor	0.43856	0.22602	11.2156	3.62975	0.07634	0.07634	2.90447	2.98081	0.07634	0.80246	0.87879	—	9,845.22	9,845.22	0.12873	1.42646	20.8499	10,294.4
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.35617	3.27946	3.47124	40.4658	0.00000	0.00000	11.3705	11.3705	0.00000	2.66522	2.66522	—	10,513.3	10,513.3	0.17260	0.43151	0.90817	10,647.1
Vendor	0.42360	0.21105	11.6631	3.74950	0.07634	0.07634	2.90447	2.98081	0.07634	0.80246	0.87879	—	9,850.38	9,850.38	0.12124	1.42646	0.54035	10,279.0
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.39069	2.34971	2.44534	28.9547	0.00000	0.00000	8.01629	8.01629	0.00000	1.87771	1.87771	—	7,543.35	7,543.35	0.10929	0.29371	10.7699	7,644.38
Vendor	0.30707	0.15567	8.24932	2.62289	0.05438	0.05438	2.05103	2.10541	0.05438	0.56714	0.62151	—	7,014.58	7,014.58	0.08636	1.01611	6.40736	7,325.95
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.43630	0.42882	0.44627	5.28424	0.00000	0.00000	1.46297	1.46297	0.00000	0.34268	0.34268	—	1,248.89	1,248.89	0.01809	0.04863	1.78307	1,265.61
Vendor	0.05604	0.02841	1.50550	0.47868	0.00992	0.00992	0.37431	0.38424	0.00992	0.10350	0.11343	—	1,161.34	1,161.34	0.01430	0.16823	1.06081	1,212.89
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2 Paving (2028)

3.2.1 Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.81550	0.68524	6.62754	9.90989	0.01395	0.25554	—	0.25554	0.23510	—	0.23510	—	1,511.03	1,511.03	0.06129	0.01226	—	1,516.22
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.09607	0.08073	0.78078	1.16747	0.00164	0.03010	—	0.03010	0.02770	—	0.02770	—	178.012	178.012	0.00722	0.00144	—	178.623
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.01753	0.01473	0.14249	0.21306	0.00030	0.00549	—	0.00549	0.00505	—	0.00505	—	29.4719	29.4719	0.00120	0.00024	—	29.5730
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.2 Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05787	0.05655	0.05986	0.69776	0.00000	0.00000	0.19606	0.19606	0.00000	0.04596	0.04596	—	181.283	181.283	0.00298	0.00744	0.01566	183.591
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00682	0.00670	0.00697	0.08257	0.00000	0.00000	0.02286	0.02286	0.00000	0.00535	0.00535	—	21.5119	21.5119	0.00031	0.00084	0.03071	21.8000
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00124	0.00122	0.00127	0.01507	0.00000	0.00000	0.00417	0.00417	0.00000	0.00098	0.00098	—	3.56155	3.56155	0.00005	0.00014	0.00508	3.60925
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.3 Onsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40397	0.35806	2.29914	10.5926	0.01395	0.08703	—	0.08703	0.08193	—	0.08193	—	1,511.03	1,511.03	0.06129	0.01226	—	1,516.22
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04759	0.04218	0.27086	1.24789	0.00164	0.01025	—	0.01025	0.00965	—	0.00965	—	178.012	178.012	0.00722	0.00144	—	178.623
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00869	0.00770	0.04943	0.22774	0.00030	0.00187	—	0.00187	0.00176	—	0.00176	—	29.4719	29.4719	0.00120	0.00024	—	29.5730
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.4 Offsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05787	0.05655	0.05986	0.69776	0.00000	0.00000	0.19606	0.19606	0.00000	0.04596	0.04596	—	181.283	181.283	0.00298	0.00744	0.01566	183.591
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00682	0.00670	0.00697	0.08257	0.00000	0.00000	0.02286	0.02286	0.00000	0.00535	0.00535	—	21.5119	21.5119	0.00031	0.00084	0.03071	21.8000
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00124	0.00122	0.00127	0.01507	0.00000	0.00000	0.00417	0.00417	0.00000	0.00098	0.00098	—	3.56155	3.56155	0.00005	0.00014	0.00508	3.60925
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3 Architectural Coating (2028)

3.3.1 Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12985	0.10731	0.80814	1.11833	0.00173	0.01536	—	0.01536	0.01413	—	0.01413	—	133.517	133.517	0.00542	0.00108	—	133.975
Architectural Coatings	2.15579	2.15579	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01530	0.01264	0.09521	0.13175	0.00020	0.00181	—	0.00181	0.00166	—	0.00166	—	15.7294	15.7294	0.00064	0.00013	—	15.7834
Architectural Coatings	0.25397	0.25397	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00279	0.00231	0.01738	0.02404	0.00004	0.00033	—	0.00033	0.00030	—	0.00030	—	2.60418	2.60418	0.00011	0.00002	—	2.61312
Architectural Coatings	0.04635	0.04635	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.2 Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.67123	0.65589	0.69425	8.09316	0.00000	0.00000	2.27409	2.27409	0.00000	0.53304	0.53304	—	2,102.65	2,102.65	0.03452	0.08630	0.18163	2,129.41
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07908	0.07772	0.08088	0.95773	0.00000	0.00000	0.26515	0.26515	0.00000	0.06211	0.06211	—	249.511	249.511	0.00361	0.00972	0.35623	252.853
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01443	0.01418	0.01476	0.17479	0.00000	0.00000	0.04839	0.04839	0.00000	0.01133	0.01133	—	41.3094	41.3094	0.00060	0.00161	0.05898	41.8626
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.3 Onsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12985	0.10731	0.80814	1.11833	0.00173	0.01536	—	0.01536	0.01413	—	0.01413	—	133.517	133.517	0.00542	0.00108	—	133.975
Architectural Coatings	2.15579	2.15579	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01530	0.01264	0.09521	0.13175	0.00020	0.00181	—	0.00181	0.00166	—	0.00166	—	15.7294	15.7294	0.00064	0.00013	—	15.7834
Architectural Coatings	0.25397	0.25397	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00279	0.00231	0.01738	0.02404	0.00004	0.00033	—	0.00033	0.00030	—	0.00030	—	2.60418	2.60418	0.00011	0.00002	—	2.61312
Architect Coatings	0.04635	0.04635	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.4 Offsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.67123	0.65589	0.69425	8.09316	0.00000	0.00000	2.27409	2.27409	0.00000	0.53304	0.53304	—	2,102.65	2,102.65	0.03452	0.08630	0.18163	2,129.41
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07908	0.07772	0.08088	0.95773	0.00000	0.00000	0.26515	0.26515	0.00000	0.06211	0.06211	—	249.511	249.511	0.00361	0.00972	0.35623	252.853
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01443	0.01418	0.01476	0.17479	0.00000	0.00000	0.04839	0.04839	0.00000	0.01133	0.01133	—	41.3094	41.3094	0.00060	0.00161	0.05898	41.8626
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5 Activity Data

5.1 Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Building Construction	Building Construction	1/3/2028	12/29/2028	5.00000	260.000	—
Paving	Paving	11/1/2028	12/29/2028	5.00000	43.0000	—
Architectural Coating	Architectural Coating	11/1/2028	12/29/2028	5.00000	43.0000	—

5.2 Off-Road Equipment

5.2.1 Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Building Construction	Cranes	Diesel	Average	1.000000	7.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Average	3.00000	8.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Tractors/Loaders/Back hoes	Diesel	Average	3.00000	7.00000	84.0000	0.37000
Building Construction	Welders	Diesel	Average	1.000000	8.00000	46.0000	0.45000
Paving	Pavers	Diesel	Average	2.00000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Average	2.00000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Average	2.00000	8.00000	36.0000	0.38000
Architectural Coating	Air Compressors	Diesel	Average	1.000000	6.00000	37.0000	0.48000

5.2.2 Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Building Construction	Cranes	Diesel	Tier 4 Final	1.000000	7.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Tier 4 Final	3.00000	8.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	3.00000	7.00000	84.0000	0.37000
Building Construction	Welders	Diesel	Average	1.000000	8.00000	46.0000	0.45000
Paving	Pavers	Diesel	Tier 4 Final	2.00000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Tier 4 Final	2.00000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Average	2.00000	8.00000	36.0000	0.38000
Architectural Coating	Air Compressors	Diesel	Average	1.000000	6.00000	37.0000	0.48000

5.3 Construction Vehicles

5.3.1 Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Building Construction	Worker	869.904	18.5000	LDA,LDT1,LDT2
Building Construction	Vendor	339.470	10.2000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15.0000	18.5000	LDA,LDT1,LDT2
Paving	Vendor	—	10.2000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	173.981	18.5000	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2 Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Building Construction	Worker	869.904	18.5000	LDA,LDT1,LDT2
Building Construction	Vendor	339.470	10.2000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15.0000	18.5000	LDA,LDT1,LDT2
Paving	Vendor	—	10.2000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	173.981	18.5000	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4 Vehicles

5.4.1 Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%

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	0.00000	0.00000	10,585.1	1,176.12	14,113.4

5.6 Dust Mitigation

5.6.1 Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Paving	0.00000	0.00000	0.00000	0.00000	1.000000

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

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Enclosed Parking with Elevator	1.000000	0%

5.8 Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2028	0.00000	531.983	0.03300	0.00400

8 User Changes to Default Data

8.1 Justifications

Screen	Justification
Land Use	Based on the 6/3/26 Project Site Plan
Construction: Construction Phases	Based on 6/3/26 project construction schedule
Construction: Paving	Based on 6/3/26 Site Plan
Operations: Vehicle Data	Based on the project's traffic analysis data yielding 1125 ADT. VMT based on an estimated up to 10 miles of travel to off site facilities for processing.

8.3 Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	46.6020	5.40000
Landscape Area	sq. ft	—	0.00000

8.4 Construction

8.4.1 Construction Phases

Phase Type	Phase Name	Model Parameter	Default Value	New Value
Building Construction	Building Construction	Start Date	3/15/2027	1/3/2028
Building Construction	Building Construction	End Date	1/31/2028	12/29/2028
Building Construction	Building Construction	Work Days per Phase	230.000	260.000
Paving	Paving	Start Date	2/1/2028	11/1/2028
Paving	Paving	End Date	2/29/2028	12/29/2028
Paving	Paving	Work Days per Phase	20.0000	43.0000
Architectural Coating	Architectural Coating	Start Date	3/1/2028	11/1/2028
Architectural Coating	Architectural Coating	End Date	3/29/2028	12/29/2028
Architectural Coating	Architectural Coating	Work Days per Phase	20.0000	43.0000

8.4.9 Paving

Phase Name	Land Use	Model Parameter	Units	Default Value	New Value
Paving	Enclosed Parking with Elevator	Area Paved	acres	5.40000	1.000000
Paving	Enclosed Parking with Elevator	% Asphalt	%	100.0000	0.00000

Port of Hueneme P1 Parking Structure Project (Phase 2) Custom Report

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1 Basic Project Information

1.1 Basic Project Information

Data Field	Value
Project Name	Port of Hueneme P1 Parking Structure Project (Phase 2)
Construction Start Date	1/1/2027
Operational Year	2030
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.20000
Precipitation (days)	16.0000
Location	34.150851043820865, -119.20327689927923
County	Ventura
City	Port Hueneme
Air District	Ventura County APCD
Air Basin	South Central Coast
TAZ	3418
EDFZ	8
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.44

1.2 Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Enclosed Parking with Elevator	5,178.00	Space	5.40000	2,071,200	0.00000	—	—	—

1.3 User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2 Emissions Summary

2.1 Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.87138	4.40559	21.8421	58.4551	0.09973	0.35198	14.2749	14.6269	0.32993	3.46767	3.79760	—	22,778.1	22,778.1	0.35271	1.85823	49.9552	23,390.7
Mit.	4.20520	3.87735	16.2779	60.4871	0.09973	0.16597	14.2749	14.4409	0.16196	3.46767	3.62963	—	22,778.1	22,778.1	0.35271	1.85823	49.9552	23,390.7
% Reduced	14%	12%	25%	-3%	—	53%	—	1%	51%	—	4%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.67695	7.60158	31.0974	73.5722	0.11541	0.60386	16.7451	17.3490	0.56166	4.04667	4.60834	—	26,195.9	26,195.9	0.47192	1.98449	1.47134	26,800.6
Mit.	7.60780	6.75334	21.3601	76.2831	0.11541	0.26259	16.7451	17.0077	0.25271	4.04667	4.29938	—	26,195.9	26,195.9	0.47192	1.98449	1.47134	26,800.6
% Reduced	12%	11%	31%	-4%	—	57%	—	2%	55%	—	7%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.86458	3.23842	17.0236	41.0440	0.07285	0.27971	10.3486	10.6283	0.26168	2.51074	2.77242	—	16,390.8	16,390.8	0.27642	1.33551	15.6864	16,811.4
Mit.	3.34367	2.82532	12.5799	42.5696	0.07285	0.12934	10.3486	10.4780	0.12581	2.51074	2.63655	—	16,390.8	16,390.8	0.27642	1.33551	15.6864	16,811.4
% Reduced	13%	13%	26%	-4%	—	54%	—	1%	52%	—	5%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.70529	0.59101	3.10681	7.49053	0.01329	0.05105	1.88863	1.93967	0.04776	0.45821	0.50597	—	2,713.69	2,713.69	0.04576	0.22111	2.59707	2,783.32
Mit.	0.61022	0.51562	2.29583	7.76895	0.01329	0.02360	1.88863	1.91223	0.02296	0.45821	0.48117	—	2,713.69	2,713.69	0.04576	0.22111	2.59707	2,783.32
% Reduced	13%	13%	26%	-4%	—	54%	—	1%	52%	—	5%	—	—	—	—	—	—	—

2.2 Construction Emissions by Year

2.2.1 Total Construction Emissions by Year, Unmitigated

Includes both onsite and offsite emissions.

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	4.87138	4.40559	21.8421	58.4551	0.09973	0.35198	14.2749	14.6269	0.32993	3.46767	3.79760	—	22,778.1	22,778.1	0.35271	1.85823	49.9552	23,390.7
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	8.67695	7.60158	31.0974	73.5722	0.11541	0.60386	16.7451	17.3490	0.56166	4.04667	4.60834	—	26,195.9	26,195.9	0.47192	1.98449	1.47134	26,800.6
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	3.86458	3.23842	17.0236	41.0440	0.07285	0.27971	10.3486	10.6283	0.26168	2.51074	2.77242	—	16,390.8	16,390.8	0.27642	1.33551	15.6864	16,811.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	0.70529	0.59101	3.10681	7.49053	0.01329	0.05105	1.88863	1.93967	0.04776	0.45821	0.50597	—	2,713.69	2,713.69	0.04576	0.22111	2.59707	2,783.32

2.2.2 Onsite Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	1.15336	0.96514	8.58166	12.9012	0.02340	0.27564	0.00000	0.27564	0.25359	0.00000	0.25359	—	2,396.83	2,396.83	0.09723	0.01945	0.00000	2,405.06
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	4.28480	3.94723	15.8340	23.9318	0.03907	0.52753	0.00000	0.52753	0.48532	0.00000	0.48532	—	4,040.97	4,040.97	0.16392	0.03278	0.00000	4,054.84
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	1.18190	1.03064	6.94748	10.4592	0.01847	0.22533	0.00000	0.22533	0.20731	0.00000	0.20731	—	1,896.52	1,896.52	0.07693	0.01539	0.00000	1,903.03
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	0.21570	0.18809	1.26791	1.90880	0.00337	0.04112	0.00000	0.04112	0.03783	0.00000	0.03783	—	313.991	313.991	0.01274	0.00255	0.00000	315.068

2.2.3 Offsite Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	3.71802	3.44045	13.2604	45.5538	0.07634	0.07634	14.2749	14.3513	0.07634	3.46767	3.54401	—	20,381.3	20,381.3	0.25549	1.83878	49.9552	20,985.6
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	4.39215	3.65435	15.2634	49.6404	0.07634	0.07634	16.7451	16.8214	0.07634	4.04667	4.12301	—	22,155.0	22,155.0	0.30800	1.95170	1.47134	22,745.7
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	2.68268	2.20778	10.0761	30.5848	0.05438	0.05438	10.3486	10.4030	0.05438	2.51074	2.56511	—	14,494.3	14,494.3	0.19949	1.32013	15.6864	14,908.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	0.48959	0.40292	1.83889	5.58173	0.00992	0.00992	1.88863	1.89855	0.00992	0.45821	0.46813	—	2,399.70	2,399.70	0.03303	0.21856	2.59707	2,468.26

2.2.4 Total Construction Emissions by Year, Mitigated

Includes both onsite and offsite emissions.

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	4.20520	3.87735	16.2779	60.4871	0.09973	0.16597	14.2749	14.4409	0.16196	3.46767	3.62963	—	22,778.1	22,778.1	0.35271	1.85823	49.9552	23,390.7
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	7.60780	6.75334	21.3601	76.2831	0.11541	0.26259	16.7451	17.0077	0.25271	4.04667	4.29938	—	26,195.9	26,195.9	0.47192	1.98449	1.47134	26,800.6
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	3.34367	2.82532	12.5799	42.5696	0.07285	0.12934	10.3486	10.4780	0.12581	2.51074	2.63655	—	16,390.8	16,390.8	0.27642	1.33551	15.6864	16,811.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	0.61022	0.51562	2.29583	7.76895	0.01329	0.02360	1.88863	1.91223	0.02296	0.45821	0.48117	—	2,713.69	2,713.69	0.04576	0.22111	2.59707	2,783.32

2.2.5 Onsite Construction Emissions by Year, Mitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	0.48718	0.43690	3.01747	14.9332	0.02340	0.08963	0.00000	0.08963	0.08562	0.00000	0.08562	—	2,396.83	2,396.83	0.09723	0.01945	0.00000	2,405.06
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	3.21565	3.09899	6.09674	26.6427	0.03907	0.18625	0.00000	0.18625	0.17637	0.00000	0.17637	—	4,040.97	4,040.97	0.16392	0.03278	0.00000	4,054.84
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	0.66099	0.61754	2.50376	11.9848	0.01847	0.07496	0.00000	0.07496	0.07143	0.00000	0.07143	—	1,896.52	1,896.52	0.07693	0.01539	0.00000	1,903.03
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	0.12063	0.11270	0.45694	2.18722	0.00337	0.01368	0.00000	0.01368	0.01304	0.00000	0.01304	—	313.991	313.991	0.01274	0.00255	0.00000	315.068

2.2.6 Offsite Construction Emissions by Year, Mitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	3.71802	3.44045	13.2604	45.5538	0.07634	0.07634	14.2749	14.3513	0.07634	3.46767	3.54401	—	20,381.3	20,381.3	0.25549	1.83878	49.9552	20,985.6
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	4.39215	3.65435	15.2634	49.6404	0.07634	0.07634	16.7451	16.8214	0.07634	4.04667	4.12301	—	22,155.0	22,155.0	0.30800	1.95170	1.47134	22,745.7
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	2.68268	2.20778	10.0761	30.5848	0.05438	0.05438	10.3486	10.4030	0.05438	2.51074	2.56511	—	14,494.3	14,494.3	0.19949	1.32013	15.6864	14,908.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2029	0.48959	0.40292	1.83889	5.58173	0.00992	0.00992	1.88863	1.89855	0.00992	0.45821	0.46813	—	2,399.70	2,399.70	0.03303	0.21856	2.59707	2,468.26

3 Construction Emissions Details

3.1 Building Construction (2029)

3.1.1 Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road	1.15336	0.96514	8.58166	12.9012	0.02340	0.27564	—	0.27564	0.25359	—	0.25359	—	2,396.83	2,396.83	0.09723	0.01945	—	2,405.06
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.15336	0.96514	8.58166	12.9012	0.02340	0.27564	—	0.27564	0.25359	—	0.25359	—	2,396.83	2,396.83	0.09723	0.01945	—	2,405.06
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.82157	0.68750	6.11296	9.18992	0.01667	0.19635	—	0.19635	0.18064	—	0.18064	—	1,707.33	1,707.33	0.06926	0.01385	—	1,713.19
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14994	0.12547	1.11562	1.67716	0.00304	0.03583	—	0.03583	0.03297	—	0.03297	—	282.668	282.668	0.01147	0.00229	—	283.638
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.1.2 Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.27946	3.22192	2.64658	42.0768	0.00000	0.00000	11.3705	11.3705	0.00000	2.66522	2.66522	—	10,806.8	10,806.8	0.13425	0.41233	31.5068	10,964.5
Vendor	0.43856	0.21853	10.6138	3.47708	0.07634	0.07634	2.90447	2.98081	0.07634	0.80246	0.87879	—	9,574.54	9,574.54	0.12124	1.42646	18.4484	10,021.1
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.26028	2.82877	3.45206	37.8384	0.00000	0.00000	11.3705	11.3705	0.00000	2.66522	2.66522	—	10,330.6	10,330.6	0.15342	0.43151	0.81684	10,463.9
Vendor	0.42360	0.21105	11.0614	3.58185	0.07634	0.07634	2.90447	2.98081	0.07634	0.80246	0.87879	—	9,580.05	9,580.05	0.12124	1.42646	0.47704	10,008.6
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.29507	1.98769	2.17895	27.1241	0.00000	0.00000	8.01629	8.01629	0.00000	1.87771	1.87771	—	7,412.33	7,412.33	0.10929	0.29371	9.68565	7,512.27
Vendor	0.30707	0.15034	7.82070	2.50881	0.05438	0.05438	2.05103	2.10541	0.05438	0.56714	0.62151	—	6,821.87	6,821.87	0.08636	1.01611	5.66087	7,132.49
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.41885	0.36275	0.39766	4.95016	0.00000	0.00000	1.46297	1.46297	0.00000	0.34268	0.34268	—	1,227.20	1,227.20	0.01809	0.04863	1.60357	1,243.74
Vendor	0.05604	0.02744	1.42728	0.45786	0.00992	0.00992	0.37431	0.38424	0.00992	0.10350	0.11343	—	1,129.44	1,129.44	0.01430	0.16823	0.93722	1,180.87
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.1.3 Onsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.48718	0.43690	3.01747	14.9332	0.02340	0.08963	—	0.08963	0.08562	—	0.08562	—	2,396.83	2,396.83	0.09723	0.01945	—	2,405.06
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.48718	0.43690	3.01747	14.9332	0.02340	0.08963	—	0.08963	0.08562	—	0.08562	—	2,396.83	2,396.83	0.09723	0.01945	—	2,405.06
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34703	0.31122	2.14943	10.6374	0.01667	0.06385	—	0.06385	0.06099	—	0.06099	—	1,707.33	1,707.33	0.06926	0.01385	—	1,713.19
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06333	0.05680	0.39227	1.94132	0.00304	0.01165	—	0.01165	0.01113	—	0.01113	—	282.668	282.668	0.01147	0.00229	—	283.638
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.1.4 Offsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.27946	3.22192	2.64658	42.0768	0.00000	0.00000	11.3705	11.3705	0.00000	2.66522	2.66522	—	10,806.8	10,806.8	0.13425	0.41233	31.5068	10,964.5
Vendor	0.43856	0.21853	10.6138	3.47708	0.07634	0.07634	2.90447	2.98081	0.07634	0.80246	0.87879	—	9,574.54	9,574.54	0.12124	1.42646	18.4484	10,021.1
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.26028	2.82877	3.45206	37.8384	0.00000	0.00000	11.3705	11.3705	0.00000	2.66522	2.66522	—	10,330.6	10,330.6	0.15342	0.43151	0.81684	10,463.9
Vendor	0.42360	0.21105	11.0614	3.58185	0.07634	0.07634	2.90447	2.98081	0.07634	0.80246	0.87879	—	9,580.05	9,580.05	0.12124	1.42646	0.47704	10,008.6
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.29507	1.98769	2.17895	27.1241	0.00000	0.00000	8.01629	8.01629	0.00000	1.87771	1.87771	—	7,412.33	7,412.33	0.10929	0.29371	9.68565	7,512.27
Vendor	0.30707	0.15034	7.82070	2.50881	0.05438	0.05438	2.05103	2.10541	0.05438	0.56714	0.62151	—	6,821.87	6,821.87	0.08636	1.01611	5.66087	7,132.49
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.41885	0.36275	0.39766	4.95016	0.00000	0.00000	1.46297	1.46297	0.00000	0.34268	0.34268	—	1,227.20	1,227.20	0.01809	0.04863	1.60357	1,243.74
Vendor	0.05604	0.02744	1.42728	0.45786	0.00992	0.00992	0.37431	0.38424	0.00992	0.10350	0.11343	—	1,129.44	1,129.44	0.01430	0.16823	0.93722	1,180.87
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2 Paving (2028)

3.2.1 Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.80047	0.67262	6.45817	9.91841	0.01395	0.23904	—	0.23904	0.21992	—	0.21992	—	1,510.63	1,510.63	0.06128	0.01226	—	1,515.81
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.09211	0.07740	0.74313	1.14130	0.00161	0.02751	—	0.02751	0.02531	—	0.02531	—	173.825	173.825	0.00705	0.00141	—	174.422
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.01681	0.01412	0.13562	0.20829	0.00029	0.00502	—	0.00502	0.00462	—	0.00462	—	28.7788	28.7788	0.00117	0.00023	—	28.8775
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.2 Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05622	0.04878	0.05952	0.65246	0.00000	0.00000	0.19606	0.19606	0.00000	0.04596	0.04596	—	178.134	178.134	0.00265	0.00744	0.01409	180.432
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00639	0.00554	0.00607	0.07555	0.00000	0.00000	0.02233	0.02233	0.00000	0.00523	0.00523	—	20.6467	20.6467	0.00030	0.00082	0.02698	20.9251
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00117	0.00101	0.00111	0.01379	0.00000	0.00000	0.00408	0.00408	0.00000	0.00095	0.00095	—	3.41830	3.41830	0.00005	0.00014	0.00447	3.46439
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.3 Onsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39750	0.35262	2.28512	10.5973	0.01395	0.08378	—	0.08378	0.07894	—	0.07894	—	1,510.63	1,510.63	0.06128	0.01226	—	1,515.81
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04574	0.04058	0.26294	1.21942	0.00161	0.00964	—	0.00964	0.00908	—	0.00908	—	173.825	173.825	0.00705	0.00141	—	174.422
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00835	0.00740	0.04799	0.22254	0.00029	0.00176	—	0.00176	0.00166	—	0.00166	—	28.7788	28.7788	0.00117	0.00023	—	28.8775
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.4 Offsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05622	0.04878	0.05952	0.65246	0.00000	0.00000	0.19606	0.19606	0.00000	0.04596	0.04596	—	178.134	178.134	0.00265	0.00744	0.01409	180.432
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00639	0.00554	0.00607	0.07555	0.00000	0.00000	0.02233	0.02233	0.00000	0.00523	0.00523	—	20.6467	20.6467	0.00030	0.00082	0.02698	20.9251
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00117	0.00101	0.00111	0.01379	0.00000	0.00000	0.00408	0.00408	0.00000	0.00095	0.00095	—	3.41830	3.41830	0.00005	0.00014	0.00447	3.46439
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3 Architectural Coating (2028)

3.3.1 Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12385	0.10236	0.79416	1.11216	0.00173	0.01284	—	0.01284	0.01181	—	0.01181	—	133.510	133.510	0.00542	0.00108	—	133.968
Architectural Coatings	2.20712	2.20712	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01425	0.01178	0.09138	0.12797	0.00020	0.00148	—	0.00148	0.00136	—	0.00136	—	15.3628	15.3628	0.00062	0.00012	—	15.4155
Architectural Coatings	0.25397	0.25397	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00260	0.00215	0.01668	0.02336	0.00004	0.00027	—	0.00027	0.00025	—	0.00025	—	2.54348	2.54348	0.00010	0.00002	—	2.55221
Architectural Coatings	0.04635	0.04635	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.2 Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.65206	0.56575	0.69041	7.56768	0.00000	0.00000	2.27409	2.27409	0.00000	0.53304	0.53304	—	2,066.13	2,066.13	0.03068	0.08630	0.16337	2,092.78
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07415	0.06422	0.07040	0.87632	0.00000	0.00000	0.25899	0.25899	0.00000	0.06066	0.06066	—	239.475	239.475	0.00353	0.00949	0.31292	242.704
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01353	0.01172	0.01285	0.15993	0.00000	0.00000	0.04727	0.04727	0.00000	0.01107	0.01107	—	39.6479	39.6479	0.00058	0.00157	0.05181	40.1825
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.3 Onsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12385	0.10236	0.79416	1.11216	0.00173	0.01284	—	0.01284	0.01181	—	0.01181	—	133.510	133.510	0.00542	0.00108	—	133.968
Architectural Coatings	2.20712	2.20712	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01425	0.01178	0.09138	0.12797	0.00020	0.00148	—	0.00148	0.00136	—	0.00136	—	15.3628	15.3628	0.00062	0.00012	—	15.4155
Architectural Coatings	0.25397	0.25397	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00260	0.00215	0.01668	0.02336	0.00004	0.00027	—	0.00027	0.00025	—	0.00025	—	2.54348	2.54348	0.00010	0.00002	—	2.55221
Architect Coatings	0.04635	0.04635	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.4 Offsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.65206	0.56575	0.69041	7.56768	0.00000	0.00000	2.27409	2.27409	0.00000	0.53304	0.53304	—	2,066.13	2,066.13	0.03068	0.08630	0.16337	2,092.78
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07415	0.06422	0.07040	0.87632	0.00000	0.00000	0.25899	0.25899	0.00000	0.06066	0.06066	—	239.475	239.475	0.00353	0.00949	0.31292	242.704
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01353	0.01172	0.01285	0.15993	0.00000	0.00000	0.04727	0.04727	0.00000	0.01107	0.01107	—	39.6479	39.6479	0.00058	0.00157	0.05181	40.1825
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5 Activity Data

5.1 Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Building Construction	Building Construction	1/1/2029	12/28/2029	5.00000	260.000	—
Paving	Paving	11/1/2029	12/28/2029	5.00000	42.0000	—
Architectural Coating	Architectural Coating	11/1/2029	12/28/2029	5.00000	42.0000	—

5.2 Off-Road Equipment

5.2.1 Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Building Construction	Cranes	Diesel	Average	1.000000	7.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Average	3.00000	8.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Tractors/Loaders/Back hoes	Diesel	Average	3.00000	7.00000	84.0000	0.37000
Building Construction	Welders	Diesel	Average	1.000000	8.00000	46.0000	0.45000
Paving	Pavers	Diesel	Average	2.00000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Average	2.00000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Average	2.00000	8.00000	36.0000	0.38000
Architectural Coating	Air Compressors	Diesel	Average	1.000000	6.00000	37.0000	0.48000

5.2.2 Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Building Construction	Cranes	Diesel	Tier 4 Final	1.000000	7.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Tier 4 Final	3.00000	8.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	3.00000	7.00000	84.0000	0.37000
Building Construction	Welders	Diesel	Average	1.000000	8.00000	46.0000	0.45000
Paving	Pavers	Diesel	Tier 4 Final	2.00000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Tier 4 Final	2.00000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Average	2.00000	8.00000	36.0000	0.38000
Architectural Coating	Air Compressors	Diesel	Average	1.000000	6.00000	37.0000	0.48000

5.3 Construction Vehicles

5.3.1 Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Building Construction	Worker	869.904	18.5000	LDA,LDT1,LDT2
Building Construction	Vendor	339.470	10.2000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15.0000	18.5000	LDA,LDT1,LDT2
Paving	Vendor	—	10.2000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	173.981	18.5000	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2 Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Building Construction	Worker	869.904	18.5000	LDA,LDT1,LDT2
Building Construction	Vendor	339.470	10.2000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15.0000	18.5000	LDA,LDT1,LDT2
Paving	Vendor	—	10.2000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	173.981	18.5000	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4 Vehicles

5.4.1 Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%

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	0.00000	0.00000	10,585.1	1,176.12	14,113.4

5.6 Dust Mitigation

5.6.1 Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Paving	0.00000	0.00000	0.00000	0.00000	1.000000

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

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Enclosed Parking with Elevator	1.000000	0%

5.8 Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2029	0.00000	531.983	0.03300	0.00400

8 User Changes to Default Data

8.1 Justifications

Screen	Justification
Land Use	Based on the 6/3/26 Project Site Plan
Construction: Construction Phases	Based on 6/3/26 project construction schedule
Construction: Paving	Based on 6/3/26 Site Plan
Operations: Vehicle Data	Based on the project's traffic analysis data yielding 1125 ADT. VMT based on an estimated up to 10 miles of travel to off site facilities for processing.

8.3 Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	46.6020	5.40000
Landscape Area	sq. ft	—	0.00000

8.4 Construction

8.4.1 Construction Phases

Phase Type	Phase Name	Model Parameter	Default Value	New Value
Building Construction	Building Construction	Start Date	3/15/2027	1/1/2029
Building Construction	Building Construction	End Date	1/31/2028	12/28/2029
Building Construction	Building Construction	Work Days per Phase	230.000	260.000
Paving	Paving	Start Date	2/1/2028	11/1/2029
Paving	Paving	End Date	2/29/2028	12/28/2029
Paving	Paving	Work Days per Phase	20.0000	42.0000
Architectural Coating	Architectural Coating	Start Date	3/1/2028	11/1/2029
Architectural Coating	Architectural Coating	End Date	3/29/2028	12/28/2029
Architectural Coating	Architectural Coating	Work Days per Phase	20.0000	42.0000

8.4.9 Paving

Phase Name	Land Use	Model Parameter	Units	Default Value	New Value
Paving	Enclosed Parking with Elevator	Area Paved	acres	5.40000	1.000000
Paving	Enclosed Parking with Elevator	% Asphalt	%	100.0000	0.00000

Port of Hueneme P1 Parking Structure Project (Phase 3) Custom Report

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1 Basic Project Information

1.1 Basic Project Information

Data Field	Value
Project Name	Port of Hueneme P1 Parking Structure Project (Phase 3)
Construction Start Date	1/1/2027
Operational Year	2030
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.20000
Precipitation (days)	16.0000
Location	34.150851043820865, -119.20327689927923
County	Ventura
City	Port Hueneme
Air District	Ventura County APCD
Air Basin	South Central Coast
TAZ	3418
EDFZ	8
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.44

1.2 Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Parking Lot	345.800	1000sqft	8.00000	345,800	0.00000	—	—	HH Concrete Pad

1.3 User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2 Emissions Summary

2.1 Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.70681	1.43309	10.5150	20.0620	0.03614	0.27286	2.38329	2.65615	0.25205	0.57895	0.83100	—	5,720.01	5,720.01	0.13988	0.31370	7.39008	5,824.38
Mit.	1.06268	0.92339	5.12429	22.1028	0.03614	0.09922	2.38329	2.48252	0.09546	0.57895	0.67442	—	5,720.01	5,720.01	0.13988	0.31370	7.39008	5,824.38
% Reduced	38%	36%	51%	-10%	—	64%	—	7%	62%	—	19%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.00067	4.55755	17.8700	32.2146	0.05182	0.50418	2.95903	3.46321	0.46487	0.71390	1.17877	—	7,801.41	7,801.41	0.21755	0.34791	0.22896	7,910.75
Mit.	3.97459	3.74551	8.47482	34.9430	0.05182	0.19073	2.95903	3.14976	0.18151	0.71390	0.89541	—	7,801.41	7,801.41	0.21755	0.34791	0.22896	7,910.75
% Reduced	21%	18%	53%	-8%	—	62%	—	9%	61%	—	24%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.59354	1.37584	8.40235	15.3091	0.02749	0.22087	1.74147	1.96234	0.20393	0.42234	0.62626	—	4,267.24	4,267.24	0.10792	0.22663	2.33656	4,339.80
Mit.	1.09148	0.97854	4.10543	16.8382	0.02749	0.08119	1.74147	1.82266	0.07788	0.42234	0.50021	—	4,267.24	4,267.24	0.10792	0.22663	2.33656	4,339.80
% Reduced	32%	29%	51%	-10%	—	63%	—	7%	62%	—	20%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.29082	0.25109	1.53343	2.79390	0.00502	0.04031	0.31782	0.35813	0.03722	0.07708	0.11429	—	706.489	706.489	0.01787	0.03752	0.38684	718.504
Mit.	0.19920	0.17858	0.74924	3.07297	0.00502	0.01482	0.31782	0.33263	0.01421	0.07708	0.09129	—	706.489	706.489	0.01787	0.03752	0.38684	718.504
% Reduced	32%	29%	51%	-10%	—	63%	—	7%	62%	—	20%	—	—	—	—	—	—	—

2.2 Construction Emissions by Year

2.2.1 Total Construction Emissions by Year, Unmitigated

Includes both onsite and offsite emissions.

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	1.70681	1.43309	10.5150	20.0620	0.03614	0.27286	2.38329	2.65615	0.25205	0.57895	0.83100	—	5,720.01	5,720.01	0.13988	0.31370	7.39008	5,824.38
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	5.00067	4.55755	17.8700	32.2146	0.05182	0.50418	2.95903	3.46321	0.46487	0.71390	1.17877	—	7,801.41	7,801.41	0.21755	0.34791	0.22896	7,910.75
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	1.59354	1.37584	8.40235	15.3091	0.02749	0.22087	1.74147	1.96234	0.20393	0.42234	0.62626	—	4,267.24	4,267.24	0.10792	0.22663	2.33656	4,339.80
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	0.29082	0.25109	1.53343	2.79390	0.00502	0.04031	0.31782	0.35813	0.03722	0.07708	0.11429	—	706.489	706.489	0.01787	0.03752	0.38684	718.504

2.2.2 Onsite Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	1.12372	0.94034	8.39196	12.8848	0.02340	0.26012	0.00000	0.26012	0.23931	0.00000	0.23931	—	2,396.83	2,396.83	0.09723	0.01945	0.00000	2,405.06
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	4.26375	3.93726	15.4569	23.8876	0.03907	0.49144	0.00000	0.49144	0.45212	0.00000	0.45212	—	4,040.97	4,040.97	0.16392	0.03278	0.00000	4,054.84
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	1.16730	1.02032	6.78715	10.4391	0.01845	0.21183	0.00000	0.21183	0.19488	0.00000	0.19488	—	1,894.46	1,894.46	0.07685	0.01537	0.00000	1,900.96
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	0.21303	0.18621	1.23865	1.90514	0.00337	0.03866	0.00000	0.03866	0.03557	0.00000	0.03557	—	313.649	313.649	0.01272	0.00254	0.00000	314.726

2.2.3 Offsite Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	0.58309	0.49276	2.12299	7.17721	0.01274	0.01274	2.38329	2.39604	0.01274	0.57895	0.59170	—	3,323.18	3,323.18	0.04266	0.29425	7.39008	3,419.32
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	0.73692	0.62029	2.41315	8.32698	0.01274	0.01274	2.95903	2.97177	0.01274	0.71390	0.72665	—	3,760.44	3,760.44	0.05363	0.31513	0.22896	3,855.92
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	0.42624	0.35552	1.61520	4.86996	0.00904	0.00904	1.74147	1.75051	0.00904	0.42234	0.43138	—	2,372.78	2,372.78	0.03107	0.21126	2.33656	2,438.84
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	0.07779	0.06488	0.29477	0.88877	0.00165	0.00165	0.31782	0.31947	0.00165	0.07708	0.07873	—	392.840	392.840	0.00514	0.03498	0.38684	403.778

2.2.4 Total Construction Emissions by Year, Mitigated

Includes both onsite and offsite emissions.

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	1.06268	0.92339	5.12429	22.1028	0.03614	0.09922	2.38329	2.48252	0.09546	0.57895	0.67442	—	5,720.01	5,720.01	0.13988	0.31370	7.39008	5,824.38
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	3.97459	3.74551	8.47482	34.9430	0.05182	0.19073	2.95903	3.14976	0.18151	0.71390	0.89541	—	7,801.41	7,801.41	0.21755	0.34791	0.22896	7,910.75
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	1.09148	0.97854	4.10543	16.8382	0.02749	0.08119	1.74147	1.82266	0.07788	0.42234	0.50021	—	4,267.24	4,267.24	0.10792	0.22663	2.33656	4,339.80
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	0.19920	0.17858	0.74924	3.07297	0.00502	0.01482	0.31782	0.33263	0.01421	0.07708	0.09129	—	706.489	706.489	0.01787	0.03752	0.38684	718.504

2.2.5 Onsite Construction Emissions by Year, Mitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	0.47959	0.43063	3.00129	14.9256	0.02340	0.08648	0.00000	0.08648	0.08272	0.00000	0.08272	—	2,396.83	2,396.83	0.09723	0.01945	0.00000	2,405.06
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	3.23766	3.12521	6.06167	26.6160	0.03907	0.17798	0.00000	0.17798	0.16877	0.00000	0.16877	—	4,040.97	4,040.97	0.16392	0.03278	0.00000	4,054.84
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	0.66524	0.62301	2.49022	11.9682	0.01845	0.07214	0.00000	0.07214	0.06883	0.00000	0.06883	—	1,894.46	1,894.46	0.07685	0.01537	0.00000	1,900.96
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	0.12141	0.11370	0.45447	2.18420	0.00337	0.01317	0.00000	0.01317	0.01256	0.00000	0.01256	—	313.649	313.649	0.01272	0.00254	0.00000	314.726

2.2.6 Offsite Construction Emissions by Year, Mitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	0.58309	0.49276	2.12299	7.17721	0.01274	0.01274	2.38329	2.39604	0.01274	0.57895	0.59170	—	3,323.18	3,323.18	0.04266	0.29425	7.39008	3,419.32
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	0.73692	0.62029	2.41315	8.32698	0.01274	0.01274	2.95903	2.97177	0.01274	0.71390	0.72665	—	3,760.44	3,760.44	0.05363	0.31513	0.22896	3,855.92
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	0.42624	0.35552	1.61520	4.86996	0.00904	0.00904	1.74147	1.75051	0.00904	0.42234	0.43138	—	2,372.78	2,372.78	0.03107	0.21126	2.33656	2,438.84
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	0.07779	0.06488	0.29477	0.88877	0.00165	0.00165	0.31782	0.31947	0.00165	0.07708	0.07873	—	392.840	392.840	0.00514	0.03498	0.38684	403.778

3 Construction Emissions Details

3.1 Building Construction (2029)

3.1.1 Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road	1.12372	0.94034	8.39196	12.8848	0.02340	0.26012	—	0.26012	0.23931	—	0.23931	—	2,396.83	2,396.83	0.09723	0.01945	—	2,405.06
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.12372	0.94034	8.39196	12.8848	0.02340	0.26012	—	0.26012	0.23931	—	0.23931	—	2,396.83	2,396.83	0.09723	0.01945	—	2,405.06
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.79738	0.66725	5.95484	9.14288	0.01660	0.18458	—	0.18458	0.16981	—	0.16981	—	1,700.77	1,700.77	0.06899	0.01380	—	1,706.60
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14552	0.12177	1.08676	1.66858	0.00303	0.03369	—	0.03369	0.03099	—	0.03099	—	281.581	281.581	0.01142	0.00228	—	282.548
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.1.2 Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.52511	0.45627	0.43866	6.61194	0.00000	0.00000	1.89837	1.89837	0.00000	0.44498	0.44498	—	1,773.94	1,773.94	0.02241	0.06884	4.69274	1,799.71
Vendor	0.05798	0.03649	1.68433	0.56528	0.01274	0.01274	0.48492	0.49766	0.01274	0.13397	0.14672	—	1,549.24	1,549.24	0.02024	0.22541	2.69734	1,619.61
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.52191	0.44987	0.51070	5.94114	0.00000	0.00000	1.89837	1.89837	0.00000	0.44498	0.44498	—	1,695.89	1,695.89	0.02562	0.06884	0.12198	1,717.17
Vendor	0.05673	0.03399	1.74756	0.58402	0.01274	0.01274	0.48492	0.49766	0.01274	0.13397	0.14672	—	1,550.21	1,550.21	0.02024	0.22541	0.06999	1,617.96
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.36580	0.31468	0.35785	4.24871	0.00000	0.00000	1.33322	1.33322	0.00000	0.31229	0.31229	—	1,212.13	1,212.13	0.01590	0.04885	1.43655	1,228.52
Vendor	0.04203	0.02500	1.23934	0.40732	0.00904	0.00904	0.34112	0.35016	0.00904	0.09432	0.10337	—	1,099.61	1,099.61	0.01436	0.15995	0.82768	1,148.46
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06676	0.05743	0.06531	0.77539	0.00000	0.00000	0.24331	0.24331	0.00000	0.05699	0.05699	—	200.682	200.682	0.00263	0.00809	0.23784	203.396
Vendor	0.00767	0.00456	0.22618	0.07434	0.00165	0.00165	0.06225	0.06390	0.00165	0.01721	0.01886	—	182.053	182.053	0.00238	0.02648	0.13703	190.141
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.1.3 Onsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.47959	0.43063	3.00129	14.9256	0.02340	0.08648	—	0.08648	0.08272	—	0.08272	—	2,396.83	2,396.83	0.09723	0.01945	—	2,405.06
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.47959	0.43063	3.00129	14.9256	0.02340	0.08648	—	0.08648	0.08272	—	0.08272	—	2,396.83	2,396.83	0.09723	0.01945	—	2,405.06
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34031	0.30557	2.12969	10.5910	0.01660	0.06136	—	0.06136	0.05870	—	0.05870	—	1,700.77	1,700.77	0.06899	0.01380	—	1,706.60
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06211	0.05577	0.38867	1.93286	0.00303	0.01120	—	0.01120	0.01071	—	0.01071	—	281.581	281.581	0.01142	0.00228	—	282.548
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.1.4 Offsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.52511	0.45627	0.43866	6.61194	0.00000	0.00000	1.89837	1.89837	0.00000	0.44498	0.44498	—	1,773.94	1,773.94	0.02241	0.06884	4.69274	1,799.71
Vendor	0.05798	0.03649	1.68433	0.56528	0.01274	0.01274	0.48492	0.49766	0.01274	0.13397	0.14672	—	1,549.24	1,549.24	0.02024	0.22541	2.69734	1,619.61
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.52191	0.44987	0.51070	5.94114	0.00000	0.00000	1.89837	1.89837	0.00000	0.44498	0.44498	—	1,695.89	1,695.89	0.02562	0.06884	0.12198	1,717.17
Vendor	0.05673	0.03399	1.74756	0.58402	0.01274	0.01274	0.48492	0.49766	0.01274	0.13397	0.14672	—	1,550.21	1,550.21	0.02024	0.22541	0.06999	1,617.96
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.36580	0.31468	0.35785	4.24871	0.00000	0.00000	1.33322	1.33322	0.00000	0.31229	0.31229	—	1,212.13	1,212.13	0.01590	0.04885	1.43655	1,228.52
Vendor	0.04203	0.02500	1.23934	0.40732	0.00904	0.00904	0.34112	0.35016	0.00904	0.09432	0.10337	—	1,099.61	1,099.61	0.01436	0.15995	0.82768	1,148.46
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06676	0.05743	0.06531	0.77539	0.00000	0.00000	0.24331	0.24331	0.00000	0.05699	0.05699	—	200.682	200.682	0.00263	0.00809	0.23784	203.396
Vendor	0.00767	0.00456	0.22618	0.07434	0.00165	0.00165	0.06225	0.06390	0.00165	0.01721	0.01886	—	182.053	182.053	0.00238	0.02648	0.13703	190.141
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2 Paving (2028)

3.2.1 Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.76655	0.64411	6.28020	9.89564	0.01395	0.22035	—	0.22035	0.20272	—	0.20272	—	1,510.63	1,510.63	0.06128	0.01226	—	1,515.81
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.09031	0.07588	0.73986	1.16579	0.00164	0.02596	—	0.02596	0.02388	—	0.02388	—	177.964	177.964	0.00722	0.00144	—	178.575
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.01648	0.01385	0.13502	0.21276	0.00030	0.00474	—	0.00474	0.00436	—	0.00436	—	29.4640	29.4640	0.00120	0.00024	—	29.5651
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.2 Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05390	0.04646	0.05275	0.61360	0.00000	0.00000	0.19606	0.19606	0.00000	0.04596	0.04596	—	175.152	175.152	0.00265	0.00711	0.01260	177.350
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00627	0.00540	0.00614	0.07285	0.00000	0.00000	0.02286	0.02286	0.00000	0.00535	0.00535	—	20.7843	20.7843	0.00027	0.00084	0.02463	21.0653
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00114	0.00098	0.00112	0.01330	0.00000	0.00000	0.00417	0.00417	0.00000	0.00098	0.00098	—	3.44108	3.44108	0.00005	0.00014	0.00408	3.48761
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.3 Onsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38459	0.34177	2.27564	10.5832	0.01395	0.08053	—	0.08053	0.07595	—	0.07595	—	1,510.63	1,510.63	0.06128	0.01226	—	1,515.81
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04531	0.04026	0.26809	1.24679	0.00164	0.00949	—	0.00949	0.00895	—	0.00895	—	177.964	177.964	0.00722	0.00144	—	178.575
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00827	0.00735	0.04893	0.22754	0.00030	0.00173	—	0.00173	0.00163	—	0.00163	—	29.4640	29.4640	0.00120	0.00024	—	29.5651
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.4 Offsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05390	0.04646	0.05275	0.61360	0.00000	0.00000	0.19606	0.19606	0.00000	0.04596	0.04596	—	175.152	175.152	0.00265	0.00711	0.01260	177.350
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00627	0.00540	0.00614	0.07285	0.00000	0.00000	0.02286	0.02286	0.00000	0.00535	0.00535	—	20.7843	20.7843	0.00027	0.00084	0.02463	21.0653
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00114	0.00098	0.00112	0.01330	0.00000	0.00000	0.00417	0.00417	0.00000	0.00098	0.00098	—	3.44108	3.44108	0.00005	0.00014	0.00408	3.48761
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3 Architectural Coating (2028)

3.3.1 Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11905	0.09839	0.78473	1.10719	0.00173	0.01097	—	0.01097	0.01009	—	0.01009	—	133.513	133.513	0.00542	0.00108	—	133.971
Architectural Coatings	2.25442	2.25442	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01403	0.01159	0.09245	0.13044	0.00020	0.00129	—	0.00129	0.00119	—	0.00119	—	15.7289	15.7289	0.00064	0.00013	—	15.7829
Architectural Coatings	0.26559	0.26559	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00256	0.00212	0.01687	0.02380	0.00004	0.00024	—	0.00024	0.00022	—	0.00022	—	2.60410	2.60410	0.00011	0.00002	—	2.61304
Architectural Coatings	0.04847	0.04847	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.2 Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10438	0.08997	0.10214	1.18823	0.00000	0.00000	0.37967	0.37967	0.00000	0.08900	0.08900	—	339.179	339.179	0.00512	0.01377	0.02440	343.434
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01215	0.01045	0.01188	0.14108	0.00000	0.00000	0.04427	0.04427	0.00000	0.01037	0.01037	—	40.2484	40.2484	0.00053	0.00162	0.04770	40.7926
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00222	0.00191	0.00217	0.02575	0.00000	0.00000	0.00808	0.00808	0.00000	0.00189	0.00189	—	6.66357	6.66357	0.00009	0.00027	0.00790	6.75368
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.3 Onsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11905	0.09839	0.78473	1.10719	0.00173	0.01097	—	0.01097	0.01009	—	0.01009	—	133.513	133.513	0.00542	0.00108	—	133.971
Architectural Coatings	2.25442	2.25442	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01403	0.01159	0.09245	0.13044	0.00020	0.00129	—	0.00129	0.00119	—	0.00119	—	15.7289	15.7289	0.00064	0.00013	—	15.7829
Architectural Coatings	0.26559	0.26559	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00256	0.00212	0.01687	0.02380	0.00004	0.00024	—	0.00024	0.00022	—	0.00022	—	2.60410	2.60410	0.00011	0.00002	—	2.61304
Architect Coatings	0.04847	0.04847	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.4 Offsite - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10438	0.08997	0.10214	1.18823	0.00000	0.00000	0.37967	0.37967	0.00000	0.08900	0.08900	—	339.179	339.179	0.00512	0.01377	0.02440	343.434
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01215	0.01045	0.01188	0.14108	0.00000	0.00000	0.04427	0.04427	0.00000	0.01037	0.01037	—	40.2484	40.2484	0.00053	0.00162	0.04770	40.7926
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00222	0.00191	0.00217	0.02575	0.00000	0.00000	0.00808	0.00808	0.00000	0.00189	0.00189	—	6.66357	6.66357	0.00009	0.00027	0.00790	6.75368
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5 Activity Data

5.1 Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Building Construction	Building Construction	1/3/2030	12/31/2030	5.00000	259.000	—
Paving	Paving	11/1/2030	12/31/2030	5.00000	43.0000	—
Architectural Coating	Architectural Coating	11/1/2030	12/31/2030	5.00000	43.0000	—

5.2 Off-Road Equipment

5.2.1 Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Building Construction	Cranes	Diesel	Average	1.000000	7.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Average	3.00000	8.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Tractors/Loaders/Back hoes	Diesel	Average	3.00000	7.00000	84.0000	0.37000
Building Construction	Welders	Diesel	Average	1.000000	8.00000	46.0000	0.45000
Paving	Pavers	Diesel	Average	2.00000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Average	2.00000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Average	2.00000	8.00000	36.0000	0.38000
Architectural Coating	Air Compressors	Diesel	Average	1.000000	6.00000	37.0000	0.48000

5.2.2 Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Building Construction	Cranes	Diesel	Tier 4 Final	1.000000	7.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Tier 4 Final	3.00000	8.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	3.00000	7.00000	84.0000	0.37000
Building Construction	Welders	Diesel	Average	1.000000	8.00000	46.0000	0.45000
Paving	Pavers	Diesel	Tier 4 Final	2.00000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Tier 4 Final	2.00000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Average	2.00000	8.00000	36.0000	0.38000
Architectural Coating	Air Compressors	Diesel	Average	1.000000	6.00000	37.0000	0.48000

5.3 Construction Vehicles

5.3.1 Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Building Construction	Worker	145.236	18.5000	LDA,LDT1,LDT2
Building Construction	Vendor	56.6766	10.2000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15.0000	18.5000	LDA,LDT1,LDT2
Paving	Vendor	—	10.2000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	29.0472	18.5000	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2 Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Building Construction	Worker	145.236	18.5000	LDA,LDT1,LDT2
Building Construction	Vendor	56.6766	10.2000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15.0000	18.5000	LDA,LDT1,LDT2
Paving	Vendor	—	10.2000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	29.0472	18.5000	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4 Vehicles

5.4.1 Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%

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	0.00000	0.00000	0.00000	0.00000	20,908.8

5.6 Dust Mitigation

5.6.1 Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Paving	0.00000	0.00000	0.00000	0.00000	8.00000

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

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Parking Lot	8.00000	0%

5.8 Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2030	0.00000	531.983	0.03300	0.00400

8 User Changes to Default Data

8.1 Justifications

Screen	Justification
Land Use	Based on the 6/3/26 Project Site Plan
Construction: Construction Phases	Based on 6/3/26 project construction schedule
Construction: Paving	Based on 6/3/26 Site Plan
Operations: Vehicle Data	Based on the project's traffic analysis data yielding 1125 ADT. VMT based on an estimated up to 10 miles of travel to off site facilities for processing.

8.3 Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	Acre	7.93848	8.00000
Landscape Area	sq. ft	—	0.00000

8.4 Construction

8.4.1 Construction Phases

Phase Type	Phase Name	Model Parameter	Default Value	New Value
Building Construction	Building Construction	Start Date	3/15/2027	1/3/2030
Building Construction	Building Construction	End Date	1/31/2028	12/31/2030
Building Construction	Building Construction	Work Days per Phase	230.000	259.000
Paving	Paving	Start Date	2/1/2028	11/1/2030
Paving	Paving	End Date	2/29/2028	12/31/2030
Paving	Paving	Work Days per Phase	20.0000	43.0000
Architectural Coating	Architectural Coating	Start Date	3/1/2028	11/1/2030
Architectural Coating	Architectural Coating	End Date	3/29/2028	12/31/2030
Architectural Coating	Architectural Coating	Work Days per Phase	20.0000	43.0000

8.4.9 Paving

Phase Name	Land Use	Model Parameter	Units	Default Value	New Value
Paving	Parking Lot	% Asphalt	%	100.0000	0.00000

Port of Hueneme P1 Parking Structure Project (Operations) Custom Report

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1 Basic Project Information

1.1 Basic Project Information

Data Field	Value
Project Name	Port of Hueneme P1 Parking Structure Project (Operations)
Construction Start Date	1/1/2027
Operational Year	2030
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.20000
Precipitation (days)	16.0000
Location	34.150851043820865, -119.20327689927923
County	Ventura
City	Port Hueneme
Air District	Ventura County APCD
Air Basin	South Central Coast
TAZ	3418
EDFZ	8
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.44

1.2 Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Enclosed Parking with Elevator	10,356.0	Space	10.8000	4,142,400	0.00000	—	—	—
Parking Lot	345.800	1000sqft	8.00000	345,800	0.00000	—	—	—

1.3 User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2 Emissions Summary

2.3 Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.75176	3.61150	2.52473	13.1195	0.02293	0.03814	1.90606	1.94420	0.03529	0.48340	0.51869	0.00000	25,086.1	25,086.1	1.59699	0.30398	4.81586	25,221.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.71416	3.56113	2.67775	14.4156	0.02231	0.03817	1.90606	1.94423	0.03531	0.48340	0.51871	0.00000	25,023.4	25,023.4	1.62401	0.31472	0.12487	25,157.9
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.64697	3.50419	2.26675	13.2352	0.02160	0.03144	1.88647	1.91791	0.02913	0.47850	0.50763	0.00000	24,946.1	24,946.1	1.61016	0.31029	2.07945	25,080.9
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.66557	0.63951	0.41368	2.41543	0.00394	0.00574	0.34428	0.35002	0.00532	0.08733	0.09264	0.00000	4,130.12	4,130.12	0.26658	0.05137	0.34428	4,152.44

2.4 Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.49551	3.37353	1.25314	11.3166	0.02016	0.01481	1.90606	1.92088	0.01383	0.48340	0.49723	—	2,054.11	2,054.11	0.17471	0.13062	4.81586	2,102.22
Area	0.14176	0.14176	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	22,731.9	22,731.9	1.41011	0.17092	—	22,818.1
Water	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Waste	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Off-Road	0.11449	0.09621	1.27158	1.80298	0.00277	0.02333	—	0.02333	0.02146	—	0.02146	—	300.062	300.062	0.01217	0.00243	—	301.091
Total	3.75176	3.61150	2.52473	13.1195	0.02293	0.03814	1.90606	1.94420	0.03529	0.48340	0.51869	0.00000	25,086.1	25,086.1	1.59699	0.30398	4.81586	25,221.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.45791	3.32316	1.40616	12.6126	0.01954	0.01484	1.90606	1.92090	0.01385	0.48340	0.49725	—	1,991.41	1,991.41	0.20173	0.14136	0.12487	2,038.70
Area	0.14176	0.14176	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	22,731.9	22,731.9	1.41011	0.17092	—	22,818.1
Water	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Waste	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Off-Road	0.11449	0.09621	1.27158	1.80298	0.00277	0.02333	—	0.02333	0.02146	—	0.02146	—	300.062	300.062	0.01217	0.00243	—	301.091
Total	3.71416	3.56113	2.67775	14.4156	0.02231	0.03817	1.90606	1.94423	0.03531	0.48340	0.51871	0.00000	25,023.4	25,023.4	1.62401	0.31472	0.12487	25,157.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.42365	3.29390	1.36096	11.9509	0.01963	0.01482	1.88647	1.90129	0.01384	0.47850	0.49234	—	2,000.46	2,000.46	0.19138	0.13763	2.07945	2,048.34
Area	0.14176	0.14176	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	22,731.9	22,731.9	1.41011	0.17092	—	22,818.1
Water	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Waste	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Off-Road	0.08156	0.06853	0.90579	1.28432	0.00197	0.01662	—	0.01662	0.01529	—	0.01529	—	213.743	213.743	0.00867	0.00173	—	214.476
Total	3.64697	3.50419	2.26675	13.2352	0.02160	0.03144	1.88647	1.91791	0.02913	0.47850	0.50763	0.00000	24,946.1	24,946.1	1.61016	0.31029	2.07945	25,080.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.62482	0.60114	0.24838	2.18104	0.00358	0.00271	0.34428	0.34699	0.00253	0.08733	0.08985	—	331.199	331.199	0.03169	0.02279	0.34428	339.126
Area	0.02587	0.02587	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	3,763.53	3,763.53	0.23346	0.02830	—	3,777.80
Water	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Waste	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Off-Road	0.01488	0.01251	0.16531	0.23439	0.00036	0.00303	—	0.00303	0.00279	—	0.00279	—	35.3875	35.3875	0.00144	0.00029	—	35.5090
Total	0.66557	0.63951	0.41368	2.41543	0.00394	0.00574	0.34428	0.35002	0.00532	0.08733	0.09264	0.00000	4,130.12	4,130.12	0.26658	0.05137	0.34428	4,152.44

2.5 Operations Emissions by Sector, Mitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.49551	3.37353	1.25314	11.3166	0.02016	0.01481	1.90606	1.92088	0.01383	0.48340	0.49723	—	2,054.11	2,054.11	0.17471	0.13062	4.81586	2,102.22
Area	0.14176	0.14176	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	22,731.9	22,731.9	1.41011	0.17092	—	22,818.1
Water	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Waste	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Off-Road	0.11449	0.09621	1.27158	1.80298	0.00277	0.02333	—	0.02333	0.02146	—	0.02146	—	300.062	300.062	0.01217	0.00243	—	301.091
Total	3.75176	3.61150	2.52473	13.1195	0.02293	0.03814	1.90606	1.94420	0.03529	0.48340	0.51869	0.00000	25,086.1	25,086.1	1.59699	0.30398	4.81586	25,221.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.45791	3.32316	1.40616	12.6126	0.01954	0.01484	1.90606	1.92090	0.01385	0.48340	0.49725	—	1,991.41	1,991.41	0.20173	0.14136	0.12487	2,038.70
Area	0.14176	0.14176	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	22,731.9	22,731.9	1.41011	0.17092	—	22,818.1
Water	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Waste	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Off-Road	0.11449	0.09621	1.27158	1.80298	0.00277	0.02333	—	0.02333	0.02146	—	0.02146	—	300.062	300.062	0.01217	0.00243	—	301.091
Total	3.71416	3.56113	2.67775	14.4156	0.02231	0.03817	1.90606	1.94423	0.03531	0.48340	0.51871	0.00000	25,023.4	25,023.4	1.62401	0.31472	0.12487	25,157.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.42365	3.29390	1.36096	11.9509	0.01963	0.01482	1.88647	1.90129	0.01384	0.47850	0.49234	—	2,000.46	2,000.46	0.19138	0.13763	2.07945	2,048.34
Area	0.14176	0.14176	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	22,731.9	22,731.9	1.41011	0.17092	—	22,818.1
Water	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Waste	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Off-Road	0.08156	0.06853	0.90579	1.28432	0.00197	0.01662	—	0.01662	0.01529	—	0.01529	—	213.743	213.743	0.00867	0.00173	—	214.476
Total	3.64697	3.50419	2.26675	13.2352	0.02160	0.03144	1.88647	1.91791	0.02913	0.47850	0.50763	0.00000	24,946.1	24,946.1	1.61016	0.31029	2.07945	25,080.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.62482	0.60114	0.24838	2.18104	0.00358	0.00271	0.34428	0.34699	0.00253	0.08733	0.08985	—	331.199	331.199	0.03169	0.02279	0.34428	339.126
Area	0.02587	0.02587	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	3,763.53	3,763.53	0.23346	0.02830	—	3,777.80
Water	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Waste	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Off-Road	0.01488	0.01251	0.16531	0.23439	0.00036	0.00303	—	0.00303	0.00279	—	0.00279	—	35.3875	35.3875	0.00144	0.00029	—	35.5090
Total	0.66557	0.63951	0.41368	2.41543	0.00394	0.00574	0.34428	0.35002	0.00532	0.08733	0.09264	0.00000	4,130.12	4,130.12	0.26658	0.05137	0.34428	4,152.44

4 Operations Emissions Details

4.1 Mobile Emissions by Land Use

4.1.1 Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclose d Parking with Elevator	3.49551	3.37353	1.25314	11.3166	0.02016	0.01481	1.90606	1.92088	0.01383	0.48340	0.49723	—	2,054.11	2,054.11	0.17471	0.13062	4.81586	2,102.22
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	3.49551	3.37353	1.25314	11.3166	0.02016	0.01481	1.90606	1.92088	0.01383	0.48340	0.49723	—	2,054.11	2,054.11	0.17471	0.13062	4.81586	2,102.22
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclose d Parking with Elevator	3.45791	3.32316	1.40616	12.6126	0.01954	0.01484	1.90606	1.92090	0.01385	0.48340	0.49725	—	1,991.41	1,991.41	0.20173	0.14136	0.12487	2,038.70
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	3.45791	3.32316	1.40616	12.6126	0.01954	0.01484	1.90606	1.92090	0.01385	0.48340	0.49725	—	1,991.41	1,991.41	0.20173	0.14136	0.12487	2,038.70
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclose d Parking with Elevator	0.62482	0.60114	0.24838	2.18104	0.00358	0.00271	0.34428	0.34699	0.00253	0.08733	0.08985	—	331.199	331.199	0.03169	0.02279	0.34428	339.126
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.62482	0.60114	0.24838	2.18104	0.00358	0.00271	0.34428	0.34699	0.00253	0.08733	0.08985	—	331.199	331.199	0.03169	0.02279	0.34428	339.126

4.1.2 Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclose d Parking with Elevator	3.49551	3.37353	1.25314	11.3166	0.02016	0.01481	1.90606	1.92088	0.01383	0.48340	0.49723	—	2,054.11	2,054.11	0.17471	0.13062	4.81586	2,102.22
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	3.49551	3.37353	1.25314	11.3166	0.02016	0.01481	1.90606	1.92088	0.01383	0.48340	0.49723	—	2,054.11	2,054.11	0.17471	0.13062	4.81586	2,102.22
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclose d Parking with Elevator	3.45791	3.32316	1.40616	12.6126	0.01954	0.01484	1.90606	1.92090	0.01385	0.48340	0.49725	—	1,991.41	1,991.41	0.20173	0.14136	0.12487	2,038.70
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	3.45791	3.32316	1.40616	12.6126	0.01954	0.01484	1.90606	1.92090	0.01385	0.48340	0.49725	—	1,991.41	1,991.41	0.20173	0.14136	0.12487	2,038.70
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclose d Parking with Elevator	0.62482	0.60114	0.24838	2.18104	0.00358	0.00271	0.34428	0.34699	0.00253	0.08733	0.08985	—	331.199	331.199	0.03169	0.02279	0.34428	339.126
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.62482	0.60114	0.24838	2.18104	0.00358	0.00271	0.34428	0.34699	0.00253	0.08733	0.08985	—	331.199	331.199	0.03169	0.02279	0.34428	339.126

4.2 Energy

4.2.1 Electricity Emissions By Land Use – Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclose d Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	22,287.0	22,287.0	1.38251	0.16758	—	22,371.5
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	444.925	444.925	0.02760	0.00335	—	446.612
Total	—	—	—	—	—	—	—	—	—	—	—	—	22,731.9	22,731.9	1.41011	0.17092	—	22,818.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclose d Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	22,287.0	22,287.0	1.38251	0.16758	—	22,371.5
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	444.925	444.925	0.02760	0.00335	—	446.612
Total	—	—	—	—	—	—	—	—	—	—	—	—	22,731.9	22,731.9	1.41011	0.17092	—	22,818.1
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclose d Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	3,689.87	3,689.87	0.22889	0.02774	—	3,703.86
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	73.6624	73.6624	0.00457	0.00055	—	73.9417
Total	—	—	—	—	—	—	—	—	—	—	—	—	3,763.53	3,763.53	0.23346	0.02830	—	3,777.80

4.2.2 Electricity Emissions By Land Use - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclose d Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	22,287.0	22,287.0	1.38251	0.16758	—	22,371.5
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	444.925	444.925	0.02760	0.00335	—	446.612
Total	—	—	—	—	—	—	—	—	—	—	—	—	22,731.9	22,731.9	1.41011	0.17092	—	22,818.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclose d Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	22,287.0	22,287.0	1.38251	0.16758	—	22,371.5
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	444.925	444.925	0.02760	0.00335	—	446.612
Total	—	—	—	—	—	—	—	—	—	—	—	—	22,731.9	22,731.9	1.41011	0.17092	—	22,818.1
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclose d Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	3,689.87	3,689.87	0.22889	0.02774	—	3,703.86
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	73.6624	73.6624	0.00457	0.00055	—	73.9417
Total	—	—	—	—	—	—	—	—	—	—	—	—	3,763.53	3,763.53	0.23346	0.02830	—	3,777.80

4.2.3 Natural Gas Emissions By Land Use – Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclose d Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclose d Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclose d Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

4.2.4 Natural Gas Emissions By Land Use - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclose d Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclose d Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclose d Parking with Elevator	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

4.3 Area Emissions By Source

4.3.1 Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.06441	0.06441	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.07735	0.07735	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.14176	0.14176	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.06441	0.06441	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.07735	0.07735	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.14176	0.14176	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.01175	0.01175	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.01412	0.01412	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.02587	0.02587	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.3.2 Mitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.06441	0.06441	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.07735	0.07735	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.14176	0.14176	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.06441	0.06441	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.07735	0.07735	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.14176	0.14176	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.01175	0.01175	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.01412	0.01412	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.02587	0.02587	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.4 Water Emissions By Land Use

4.4.1 Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclose d Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclose d Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclose d Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

4.4.2 Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclose d Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclose Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclose d Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

4.5 Waste Emissions By Land Use

4.5.1 Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclose d Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclose d Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclose d Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

4.5.2 Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclose d Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclose d Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclose d Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

4.6 Refrigerant Emissions By Land Use

4.6.1 Unmitigated

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

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

4.6.2 Mitigated

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

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

4.7 Offroad Emissions By Equipment Type

4.7.1 Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.06986	0.05870	0.55229	1.03132	0.00141	0.01857	—	0.01857	0.01709	—	0.01709	—	152.455	152.455	0.00618	0.00124	—	152.978
Aerial Lifts	0.04463	0.03750	0.71930	0.77167	0.00136	0.00475	—	0.00475	0.00437	—	0.00437	—	147.607	147.607	0.00599	0.00120	—	148.113
Total	0.11449	0.09621	1.27158	1.80298	0.00277	0.02333	—	0.02333	0.02146	—	0.02146	—	300.062	300.062	0.01217	0.00243	—	301.091
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.06986	0.05870	0.55229	1.03132	0.00141	0.01857	—	0.01857	0.01709	—	0.01709	—	152.455	152.455	0.00618	0.00124	—	152.978
Aerial Lifts	0.04463	0.03750	0.71930	0.77167	0.00136	0.00475	—	0.00475	0.00437	—	0.00437	—	147.607	147.607	0.00599	0.00120	—	148.113
Total	0.11449	0.09621	1.27158	1.80298	0.00277	0.02333	—	0.02333	0.02146	—	0.02146	—	300.062	300.062	0.01217	0.00243	—	301.091
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00908	0.00763	0.07180	0.13407	0.00018	0.00241	—	0.00241	0.00222	—	0.00222	—	17.9796	17.9796	0.00073	0.00015	—	18.0413
Aerial Lifts	0.00580	0.00488	0.09351	0.10032	0.00018	0.00062	—	0.00062	0.00057	—	0.00057	—	17.4079	17.4079	0.00071	0.00014	—	17.4676
Total	0.01488	0.01251	0.16531	0.23439	0.00036	0.00303	—	0.00303	0.00279	—	0.00279	—	35.3875	35.3875	0.00144	0.00029	—	35.5090

4.7.2 Mitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.06986	0.05870	0.55229	1.03132	0.00141	0.01857	—	0.01857	0.01709	—	0.01709	—	152.455	152.455	0.00618	0.00124	—	152.978
Aerial Lifts	0.04463	0.03750	0.71930	0.77167	0.00136	0.00475	—	0.00475	0.00437	—	0.00437	—	147.607	147.607	0.00599	0.00120	—	148.113
Total	0.11449	0.09621	1.27158	1.80298	0.00277	0.02333	—	0.02333	0.02146	—	0.02146	—	300.062	300.062	0.01217	0.00243	—	301.091
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.06986	0.05870	0.55229	1.03132	0.00141	0.01857	—	0.01857	0.01709	—	0.01709	—	152.455	152.455	0.00618	0.00124	—	152.978
Aerial Lifts	0.04463	0.03750	0.71930	0.77167	0.00136	0.00475	—	0.00475	0.00437	—	0.00437	—	147.607	147.607	0.00599	0.00120	—	148.113
Total	0.11449	0.09621	1.27158	1.80298	0.00277	0.02333	—	0.02333	0.02146	—	0.02146	—	300.062	300.062	0.01217	0.00243	—	301.091
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Forklifts	0.00908	0.00763	0.07180	0.13407	0.00018	0.00241	—	0.00241	0.00222	—	0.00222	—	17.9796	17.9796	0.00073	0.00015	—	18.0413
Aerial Lifts	0.00580	0.00488	0.09351	0.10032	0.00018	0.00062	—	0.00062	0.00057	—	0.00057	—	17.4079	17.4079	0.00071	0.00014	—	17.4676
Total	0.01488	0.01251	0.16531	0.23439	0.00036	0.00303	—	0.00303	0.00279	—	0.00279	—	35.3875	35.3875	0.00144	0.00029	—	35.5090

4.8 Stationary Emissions By Equipment Type

4.8.1 Unmitigated

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

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

4.8.2 Mitigated

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

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

4.9 User Defined Emissions By Equipment Type

4.9.1 Unmitigated

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

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

4.9.2 Mitigated

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

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

5 Activity Data

5.1 Operational Mobile Sources

5.1.1 Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday
Enclosed Parking with Elevator	1,124.66	1,124.66	1,124.66	410,501	2,699.19	2,699.19	2,699.19
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.1.2 Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday
Enclosed Parking with Elevator	1,124.66	1,124.66	1,124.66	410,501	2,699.19	2,699.19	2,699.19
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.2 Operational Area Sources

5.2.1 Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Enclosed Parking with Elevator	Wood Fireplaces	0	0
Enclosed Parking with Elevator	Gas Fireplaces	0	0
Enclosed Parking with Elevator	Propane Fireplaces	0	0
Enclosed Parking with Elevator	Electric Fireplaces	0	0
Enclosed Parking with Elevator	No Fireplaces	0	0
Enclosed Parking with Elevator	Conventional Wood Stoves	0	0
Enclosed Parking with Elevator	Catalytic Wood Stoves	0	0
Enclosed Parking with Elevator	Non-Catalytic Wood Stoves	0	0
Enclosed Parking with Elevator	Pellet Wood Stoves	0	0
Parking Lot	Wood Fireplaces	0	0
Parking Lot	Gas Fireplaces	0	0
Parking Lot	Propane Fireplaces	0	0
Parking Lot	Electric Fireplaces	0	0
Parking Lot	No Fireplaces	0	0
Parking Lot	Conventional Wood Stoves	0	0
Parking Lot	Catalytic Wood Stoves	0	0
Parking Lot	Non-Catalytic Wood Stoves	0	0
Parking Lot	Pellet Wood Stoves	0	0

5.2.2 Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0.00000	0.00000	21,170.2	2,352.24	49,135.7

5.2.3 Landscape Equipment

5.2.4 Landscape Equipment – Mitigated

5.3 Operational Energy Consumption

5.3.1 Unmitigated

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

Land Use	Electricity (kWh/yr)	CO ₂	CH ₄	N ₂ O	Natural Gas (kBtu/yr)	Parking Area Coated (sq ft)
Enclosed Parking with Elevator	15,291,386	531.983	0.0330	0.0040	0.00000	49,135.7
Parking Lot	305,268	531.983	0.0330	0.0040	0.00000	

5.3.2 Mitigated

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

Land Use	Electricity (kWh/yr)	CO ₂	CH ₄	N ₂ O	Natural Gas (kBtu/yr)	Parking Area Coated (sq ft)
Enclosed Parking with Elevator	15,291,386	531.983	0.0330	0.0040	0.00000	49,135.7
Parking Lot	305,268	531.983	0.0330	0.0040	0.00000	

5.4 Operational Water and Wastewater Consumption

5.4.1 Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Enclosed Parking with Elevator	0.00000	0.00000
Parking Lot	0.00000	0.00000

5.4.2 Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Enclosed Parking with Elevator	0.00000	0.00000
Parking Lot	0.00000	0.00000

5.5 Operational Waste Generation

5.5.1 Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Enclosed Parking with Elevator	0.00000	0.00000
Parking Lot	0.00000	0.00000

5.5.2 Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Enclosed Parking with Elevator	0.00000	0.00000
Parking Lot	0.00000	0.00000

5.6 Operational Refrigeration and Air Conditioning Equipment

5.6.1 Unmitigated

5.6.2 Mitigated

5.7 Operational Off-Road Equipment

5.7.1 Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	Diesel	Average	1.000000	8.00000	82.0000	0.20000
Aerial Lifts	Diesel	Average	1.000000	8.00000	46.0000	0.31000

5.7.2 Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Forklifts	Diesel	Average	1.000000	8.00000	82.0000	0.20000
Aerial Lifts	Diesel	Average	1.000000	8.00000	46.0000	0.31000

5.8 Stationary Sources

5.8.1 Emergency Generators and FirePumps

5.8.2 Process Boilers

5.9 User Defined

8 User Changes to Default Data

8.1 Justifications

Screen	Justification
Land Use	Based on the 6/3/26 Project Site Plan
Construction: Construction Phases	Based on 6/3/26 project construction schedule
Construction: Dust From Material Movement	Based on project soil import/export required
Construction: Paving	Based on 6/3/26 Site Plan
Operations: Vehicle Data	Based on the project's traffic analysis data yielding 1125 ADT. VMT based on an estimated up to 2.4 miles of travel to off site facilities for processing.

8.3 Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	93.2040	10.8000
Landscape Area	sq. ft	—	0.00000
Lot Area	acre	7.93848	8.00000
Landscape Area	sq. ft	—	0.00000

8.5 Operations

8.5.1 Mobile Sources

8.5.1.1 Vehicle Data

Land Use	Model Parameter	Units	Default Value	New Value
Enclosed Parking with Elevator	Weekday Trip Rate	size/day	0.00000	0.10860
Enclosed Parking with Elevator	Saturday Trip Rate	size/day	0.00000	0.10860
Enclosed Parking with Elevator	Sunday Trip Rate	size/day	0.00000	0.10860
Enclosed Parking with Elevator	Non-Res H-W Trip Length	miles	11.6073	2.40000
Enclosed Parking with Elevator	Non-Res W-O Trip Length	miles	4.41145	2.40000
Enclosed Parking with Elevator	Non-Res O-O Trip Length	miles	4.65358	2.40000
Parking Lot	Non-Res H-W Trip Length	miles	11.6073	0.00000
Parking Lot	Non-Res W-O Trip Length	miles	4.41145	0.00000
Parking Lot	Non-Res O-O Trip Length	miles	4.65358	0.00000

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