

APPENDIX D

Air Quality and Greenhouse Gas Emissions Background Information

**Air Quality & Greenhouse Gas Impact Assessment for
Dana Reserve Specific Plan**

AIR QUALITY & GREENHOUSE GAS IMPACT ASSESSMENT

FOR



DANA RESERVE SPECIFIC PLAN NIPOMO, CA

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LIST OF COMMON TERMS & ACRONYMS

AAM	Annual Arithmetic Mean
ARB	California Air Resources Board
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
CCAA	California Clean Air Act
CCAR	California Climate Action Registry
CH ₄	Methane
CO	Carbon Monoxide
CO ₂	Carbon Dioxide
CO ₂ e	Carbon Dioxide Equivalent
DPM	Diesel-Exhaust Particulate Matter or Diesel-Exhaust PM
FCAA	Federal Clean Air Act
GHG	Greenhouse Gases
HAP	Hazardous Air Pollutant
LOS	Level of Service
N ₂ O	Nitrous Oxide
NAAQS	National Ambient Air Quality Standards or National AAQS
NESHAPs	National Emission Standards for HAPs
NO _x	Oxides of Nitrogen
OAP	Ozone Attainment Plan
O ₃	Ozone
Pb	Lead
PM	Particulate Matter
PM ₁₀	Particulate Matter (less than 10 µm)
PM _{2.5}	Particulate Matter (less than 2.5 µm)
ppb	Parts per Billion
ppm	Parts per Million
ROG	Reactive Organic Gases
RTP	Regional Transportation Plan
SCCAB	South Central Coast Air Basin
SIP	State Implementation Plan
SJVAPCD	San Joaquin Valley Air Pollution Control District
SLOAPCD	San Luis Obispo County Air Pollution Control District
SLOCOG	San Luis Obispo Council of Governments
SCS	Sustainable Communities Strategy
SO ₂	Sulfur Dioxide
TAC	Toxic Air Contaminant
µg/m ³	Micrograms per cubic meter
U.S. EPA	United State Environmental Protection Agency

INTRODUCTION

This report provides an analysis of air quality and greenhouse gas impacts associated with the proposed Dana Reserve Specific Plan Project. This report also provides a summary of existing conditions in the project area and the applicable regulatory framework pertaining to air quality and climate change.

PROPOSED PROJECT SUMMARY

The proposed Dana Reserve Specific Plan will provide a combination of land uses that include residential uses, flex commercial uses, open space, trails, and a public neighborhood park within an approximately 288-acre specific plan area. The plan will include 1,291 residential dwelling units (comprised of 833 single-family units and 458 multi-family units), between 110,000-203,00 square feet of commercial space, and roughly 50 acres to be preserved for open space and recreation. The project site is located in the southern portion of San Luis Obispo County, this property is immediately north of the Urban Reserve Line of the Nipomo community. It is bounded by Willow Road and Cherokee Place to the north, existing residential ranchettes to the south and west and U.S. Highway 101 to the east. The proposed Dana Reserve Specific Plan is depicted in Figure 1.

AIR QUALITY

Existing Setting

The project is located in Nipomo, an unincorporated town within the South Central Coast Air Basin (SCCAB) and within the jurisdiction of the San Luis Obispo County Air Pollution Control District (SLOAPCD). Air quality in the SCCAB is influenced by a variety of factors, including topography, local and regional meteorology.

Topography

Nipomo is on the Nipomo Mesa. The area is bordered on the south by the Santa Maria River Valley and east by the Temettate Ridge, to the west by flat-topped mesas and the Pismo Dunes, and to the north the rolling hills of Newsom Ridge. The highest elevations in the vicinity are in the Temettate Ridge, where many peaks are 1,300 to 1,800 feet above mean sea level. Substantial ridgelines are distributed throughout the north and east.

Local and Regional Meteorology

The climate of the county can be generally characterized as Mediterranean, with warm, dry summers and cooler, relatively damp winters. Along the coast, mild temperatures are the rule throughout the year due to the moderating influence of the Pacific Ocean. This effect is diminished inland in proportion to the distance from the ocean or by major intervening terrain features, such as the coastal mountain ranges. As a result, inland areas are characterized by a considerably wider range of temperature conditions. Maximum summer temperatures average about 70 degrees Fahrenheit near the coast, while inland valleys are often in the high 90s. Minimum winter temperatures average from the low 30s along the coast to the low 20s inland (SLOAPCD 2001).

Regional meteorology is largely dominated by a persistent high-pressure area which commonly resides over the eastern Pacific Ocean. Seasonal variations in the strength and position of this pressure cell cause seasonal changes in the weather patterns of the area. The Pacific High remains generally fixed several hundred miles offshore from May through September, enhancing onshore winds and opposing offshore winds. During spring and early summer, as the onshore breezes pass over the cool water of the ocean, fog and low clouds often form in the marine air layer along the coast. Surface heating in the interior valleys dissipates the marine layer as it moves inland (SLOAPCD 2001).

Figure 1. Proposed Dana Reserve Specific Plan & Nearby Land Uses



Not to Scale.

From November through April the Pacific High tends to migrate southward, allowing northern storms to move across the county. About 90 percent of the total annual rainfall is received during this period. Winter conditions are usually mild, with intermittent periods of precipitation followed by mostly clear days. Rainfall amounts can vary considerably among different regions in the county. In the Coastal Plain, annual rainfall averages 16 to 28 inches, while the Upper Salinas River Valley generally receives about 12 to 20 inches of rain. The Carrizo Plain is the driest area of the county with less than 12 inches of rain in a typical year (SLOAPCD 2001).

Airflow around the county plays an important role in the movement and dispersion of pollutants. The speed and direction of local winds are controlled by the location and strength of the Pacific High-pressure system and other global patterns, by topographical factors, and by circulation patterns resulting from temperature differences between the land and sea. In spring and summer months, when the Pacific High attains its greatest strength, onshore winds from the northwest generally prevail during the day. At night, as the sea breeze dies, weak drainage winds flow down the coastal mountains and valleys to form a light, easterly land breeze (SLOAPCD 2001).

In the Fall, onshore surface winds decline and the marine layer grows shallow, allowing an occasional reversal to a weak offshore flow. This, along with the diurnal alternation of land-sea breeze circulation, can sometimes produce a "sloshing" effect. Under these conditions, pollutants may accumulate over the ocean for a period

of one or more days and are subsequently carried back onshore with the return of the sea breeze. Strong inversions can form at this time, "trapping" pollutants near the surface (SLOAPCD 2001).

This effect is intensified when the Pacific High weakens or moves inland to the east. This may produce a "Santa Ana" condition in which air, often pollutant-laden, is transported into the county from the east and southeast. This can occur over a period of several days until the high-pressure system returns to its normal location, breaking the pattern. The breakup of a Santa Ana condition may result in relatively stagnant conditions and a buildup of pollutants offshore. The onset of the typical daytime sea breeze can bring these pollutants back onshore, where they combine with local emissions to cause high pollutant concentrations. Not all occurrences of the "post-Santa Ana" condition lead to high ambient pollutant levels, but it does play an important role in the air pollution meteorology of the county (SLOAPCD 2001).

Atmospheric Stability and Dispersion

Air pollutant concentrations are primarily determined by the amount of pollutant emissions in an area and the degree to which these pollutants are dispersed into the atmosphere. The stability of the atmosphere is one of the key factors affecting pollutant dispersion. Atmospheric stability regulates the amount of vertical and horizontal air exchange or mixing, that can occur within a given air basin. Restricted mixing and low wind speeds are generally associated with a high degree of stability in the atmosphere. These conditions are characteristic of temperature inversions (SLOAPCD 2001).

In the atmosphere, air temperatures normally decrease as altitude increases. At varying distances above the earth's surface, however, a reversal of this gradient can occur. This condition termed an inversion, is simply a warm layer of air above a layer of cooler air, and it has the effect of limiting the vertical dispersion of pollutants. The height of the inversion determines the size of the mixing volume trapped below. Inversion strength or intensity is measured by the thickness of the layer and the difference in temperature between the base and the top of the inversion. The strength of the inversion determines how easily it can be broken by winds or solar heating (SLOAPCD 2001).

Several types of inversions are common to this area. Weak, surface inversions are caused by radiational cooling of air in contact with the cold surface of the earth at night. In valleys and low lying areas, this condition is intensified by the addition of cold air flowing downslope from the hills and pooling on the valley floor. Surface inversions are a common occurrence throughout the county during the winter, particularly on cold mornings when the inversion is strongest. As the morning sun warms the earth and the air near the ground, the inversion lifts, gradually dissipating as the day progresses. During the late spring and early summer months, cool air over the ocean can intrude under the relatively warmer air over land, causing a marine inversion. These inversions can restrict dispersion along the coast, but they are typically shallow and will dissipate with surface heating (SLOAPCD 2001).

In contrast, in the summertime, the presence of the Pacific high-pressure cell can cause the air mass aloft to sink. As the air descends, compressional heating warms it to a temperature higher than the air below. This highly stable atmospheric condition, termed a subsidence inversion, is common to all of coastal California and can act as a nearly impenetrable lid to the vertical mixing of pollutants. The base of the inversion typically ranges from 1000 to 2500 feet above sea level; however, levels as low as 250 feet, among the lowest anywhere in the state, have been recorded on the coastal plateau in San Luis Obispo county. The strength of these inversions makes them difficult to disrupt. Consequently, they can persist for one or more days, causing air stagnation and the buildup of pollutants. Highest or worst-case ozone levels are often associated with the presence of this type of inversion (SLOAPCD 2001).

Criteria Air Pollutants

For the protection of public health and welfare, the Clean Air Act (CAA) required that the United States Environmental Protection Agency (U.S. EPA) establish National Ambient Air Quality Standards (NAAQS) for various pollutants. These pollutants are referred to as "criteria" pollutants because the US EPA publishes criteria documents to justify the choice of standards. These standards define the maximum amount of an air pollutant that can be present in ambient air without harm to the public's health. An ambient air quality standard is generally specified as a concentration averaged over a specific time period, such as one hour, eight hours, 24 hours, or one year. The different averaging times and concentrations are meant to protect

against different exposure effects. The CAA allows states to adopt additional or more health-protective standards. The air quality regulatory framework and ambient air quality standards are discussed in greater detail later in this report.

Human Health & Welfare Effects

Common air pollutants and associated adverse health and welfare effects are summarized in Table 1. Within the SCCAB, the air pollutants of primary concern, with regard to human health, include ozone, particulate matter (PM) and carbon monoxide (CO). As depicted in Table 1, exposure to increased pollutant concentrations of ozone, PM and CO can result in various heart and lung ailments, cardiovascular and nervous system impairment, and death.

Table 1. Common Pollutants & Adverse Effects

Pollutant	Human Health & Welfare Effects
Particulate Matter (PM ₁₀ & PM _{2.5})	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).
Ozone (O ₃)	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.
Sulfur Dioxide (SO ₂)	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; damage crops and natural vegetation. Impairs visibility. A precursor to acid rain.
Carbon Monoxide (CO)	Reduces the ability of blood to deliver oxygen to vital tissues, effecting the cardiovascular and nervous system. Impairs vision, causes dizziness, and can lead to unconsciousness or death.
Nitrogen Dioxide (NO ₂)	Respiratory irritant; aggravates lung and heart problems. A precursor to ozone and acid rain. Contributes to global warming, and nutrient overloading which deteriorates water quality. Causes brown discoloration of the atmosphere.
Lead	Anemia, high blood pressure, brain and kidney damage, neurological disorders, cancer, lowered IQ. Affects animals, plants, and aquatic ecosystems.

Source: ARB 2018

Reactive Organic Gas (ROG) is a reactive chemical gas, composed of hydrocarbon compounds that may contribute to the formation of smog by their involvement in atmospheric chemical reactions. No separate health standards exist for ROG as a group. Because some compounds that make up ROG are also toxic, like the carcinogen benzene, they are often evaluated as part of a toxic risk assessment. Total Organic Gases (TOGs) includes all of the ROGs, in addition to low reactivity organic compounds like methane and acetone. ROGs and VOC are subsets of TOG.

Volatile Organic Compounds (VOC) are hydrocarbon compounds that exist in the ambient air. VOCs contribute to the formation of smog and may also be toxic. VOC emissions are a major precursor to the formation of ozone. VOCs often have an odor, and some examples include gasoline, alcohol, and the solvents used in paints.

Oxides of Nitrogen (NO_x) are a family of gaseous nitrogen compounds and is a precursor to the formation of ozone and particulate matter. The major component of NO_x, nitrogen dioxide (NO₂), is a reddish-brown gas that is toxic at high concentrations. NO_x results primarily from the combustion of fossil fuels under high temperature and pressure. On-road and off-road motor vehicles and fuel combustion are the major sources of this air pollutant.

Particulate Matter (PM), also known as particle pollution, is a complex mixture of extremely small particles and liquid droplets. Particle pollution is made up of a number of components, including acids (such as nitrates and sulfates), organic chemicals, metals, and soil or dust particles. The size of particles is directly linked to their potential for causing health problems. U.S. EPA is concerned about particles that are 10 micrometers in diameter or smaller because those are the particles that generally pass through the throat and nose and enter the lungs. Once inhaled, these particles can affect the heart and lungs and cause serious health effects. U.S. EPA groups particle pollution into three categories based on their size and where they are deposited:

- Inhalable coarse particles (PM_{2.5}- PM₁₀), such as those found near roadways and dusty industries, are between 2.5 and 10 micrometers in diameter. PM_{2.5-10} is deposited in the thoracic region of the lungs.
- Fine particles (PM_{2.5}), such as those found in smoke and haze, are 2.5 micrometers in diameter and smaller. These particles can be directly emitted from sources such as forest fires, or they can form when gases emitted from power plants, industries and automobiles react in the air. They penetrate deeply into the thoracic and alveolar regions of the lungs.
- Ultrafine particles (UFP), are very small particles less than 0.1 micrometers in diameter largely resulting from the combustion of fossil fuels, meat, wood, and other hydrocarbons. While UFP mass is a small portion of PM_{2.5}, its high surface area, deep lung penetration, and transfer into the bloodstream can result in disproportionate health impacts relative to their mass.

PM₁₀, PM_{2.5}, and UFP include primary pollutants (emitted directly to the atmosphere) as well as secondary pollutants (formed in the atmosphere by chemical reactions among precursors). Generally speaking, PM_{2.5} and UFP are emitted by combustion sources like vehicles, power generation, industrial processes, and wood burning, while PM₁₀ sources include these same sources plus roads and farming activities. Fugitive windblown dust and other area sources also represent a source of airborne dust.

Numerous scientific studies have linked both long- and short-term particle pollution exposure to a variety of health problems. Long-term exposures, such as those experienced by people living for many years in areas with high particle levels, have been associated with problems such as reduced lung function and the development of chronic bronchitis and even premature death. Short-term exposures to particles (hours or days) can aggravate lung disease, causing asthma attacks and also acute (short-term) bronchitis, and may also increase susceptibility to respiratory infections. In people with heart disease, short-term exposures have been linked to heart attacks and arrhythmias. Healthy children and adults have not been reported to suffer serious effects from short term exposures, although they may experience temporary minor irritation when particle levels are elevated.

Carbon Monoxide (CO) is an odorless, colorless gas that is highly toxic. It is formed by the incomplete combustion of fuels and is emitted directly into the air (unlike ozone). The main source of CO is on-road motor vehicles. Other CO sources include other mobile sources, miscellaneous processes, and fuel combustion from stationary sources. Because of the local nature of CO problems, ARB and U.S. EPA designate urban areas as CO nonattainment areas instead of the entire basin as with ozone and PM₁₀. Motor vehicles are by far the largest source of CO emissions. Emissions from motor vehicles have been declining since 1985, despite increases in vehicle miles traveled, with the introduction of new automotive emission controls and fleet turnover.

Sulfur Dioxide (SO₂) is a colorless, irritating gas with a "rotten egg" smell formed primarily by the combustion of sulfur-containing fossil fuels. However, like airborne NO_x, suspended SO_x particles contribute to poor visibility. These SO_x particles can also combine with other pollutants to form PM_{2.5}. The prevalence of low-sulfur fuel use has minimized problems from this pollutant.

Lead (Pb) is a metal that is a natural constituent of air, water, and the biosphere. Lead is neither created nor destroyed in the environment, so it essentially persists forever. The health effects of lead poisoning include loss of appetite, weakness, apathy, and miscarriage. Lead can also cause lesions of the neuromuscular system, circulatory system, brain, and gastrointestinal tract. Gasoline-powered automobile engines were a major source of airborne lead through the use of leaded fuels. The use of leaded fuel has been mostly phased out, with the result that ambient concentrations of lead have dropped dramatically.

Hydrogen Sulfide (H₂S) is associated with geothermal activity, oil and gas production, refining, sewage treatment plants, and confined animal feeding operations. Hydrogen sulfide is extremely hazardous in high concentrations; especially in enclosed spaces (800 ppm can cause death). OSHA regulates workplace exposure to H₂S.

Other Pollutants

The State of California has established air quality standards for some pollutants not addressed by Federal standards. The California Air Resources Board (CARB) has established State standards for hydrogen sulfide, sulfates, vinyl chloride, and visibility reducing particles. The following section summarizes these pollutants and provides a description of the pollutants' physical properties, health and other effects, sources, and the extent of the problems.

Sulfates (SO₄²⁻) are the fully oxidized ionic form of sulfur. Sulfates occur in combination with metal and/or hydrogen ions. In California, emissions of sulfur compounds occur primarily from the combustion of petroleum-derived fuels (e.g., gasoline and diesel fuel) that contain sulfur. This sulfur is oxidized to SO₂ during the combustion process and subsequently converted to sulfate compounds in the atmosphere. The conversion of SO₂ to sulfates takes place comparatively rapidly and completely in urban areas of California due to regional meteorological features.

The ARB sulfate standard is designed to prevent aggravation of respiratory symptoms. Effects of sulfate exposure at levels above the standard include a decrease in ventilatory function, aggravation of asthmatic symptoms, and an increased risk of cardiopulmonary disease. Sulfates are particularly effective in degrading visibility, and, due to the fact that they are usually acidic, can harm ecosystems and damage materials and property.

Visibility Reducing Particles: Are a mixture of suspended particulate matter consisting of dry solid fragments, solid cores with liquid coatings, and small droplets of liquid. The standard is intended to limit the frequency and severity of visibility impairment due to regional haze and is equivalent to a 10-mile nominal visual range.

Vinyl Chloride (C₂H₃Cl or VCM) is a colorless gas that does not occur naturally. It is formed when other substances such as trichloroethane, trichloroethylene, and tetrachloro-ethylene are broken down. Vinyl chloride is used to make polyvinyl chloride (PVC) which is used to make a variety of plastic products, including pipes, wire and cable coatings, and packaging materials.

Odors

Typically, odors are generally regarded as an annoyance rather than a health hazard. However, manifestations of a person's reaction to foul odors can range from the psychological (i.e. irritation, anger, or anxiety) to the physiological, including circulatory and respiratory effects, nausea, vomiting, and headache.

Neither the state nor the federal governments have adopted rules or regulations for the control of odor sources. The SLOAPCD does not have an individual rule or regulation that specifically addresses odors; however, odors would be applicable to SLOAPCD's Rule 204, Nuisance. Any actions related to odors would be based on citizen complaints to local governments and the SLOAPCD. The SLOAPCD recommends that odor impacts be addressed in a qualitative manner. Such analysis shall determine if the project results in excessive nuisance odors, as defined under the California Code of Regulations, Health & Safety Code Section 41700, air quality public nuisance.

Toxic Air Contaminants

Toxic air contaminants (TACs) are air pollutants that may cause or contribute to an increase in mortality or serious illness, or which may pose a hazard to human health. TACs are usually present in minute quantities in the ambient air, but due to their high toxicity, they may pose a threat to public health even at very low concentrations. Because there is no threshold level below which adverse health impacts are not expected to occur, TACs differ from criteria pollutants for which acceptable levels of exposure can be determined and for which state and federal governments have set ambient air quality standards. TACs, therefore, are not considered "criteria pollutants" under either the Federal Clean Air Act (FCAA) or the California Clean Air Act

(CCAA) and are thus not subject to National or State AAQS. TACs are not considered criteria pollutants in that the federal and California Clean Air Acts do not address them specifically through the setting of National or State AAQS. Instead, the U.S. EPA and ARB regulate Hazardous Air Pollutants (HAPs) and TACs, respectively, through statutes and regulations that generally require the use of the maximum or best available control technology to limit emissions. In conjunction with District rules, these federal and state statutes and regulations establish the regulatory framework for TACs. At the national levels, the U.S. EPA has established National Emission Standards for HAPs (NESHAPs), in accordance with the requirements of the FCAA and subsequent amendments. These are technology-based source-specific regulations that limit allowable emissions of HAPs.

Within California, TACs are regulated primarily through the Tanner Air Toxics Act (AB 1807) and the Air Toxics Hot Spots Information and Assessment Act of 1987 (AB 2588). The Tanner Act sets forth a formal procedure for ARB to designate substances as TACs. This includes research, public participation, and scientific peer review before ARB designates a substance as a TAC. Existing sources of TACs that are subject to the Air Toxics Hot Spots Information and Assessment Act are required to: (1) prepare a toxic emissions inventory; (2) prepare a risk assessment if emissions are significant; (3) notify the public of significant risk levels; and (4) prepare and implement risk reduction measures.

At the state level, the ARB has authority for the regulation of emissions from motor vehicles, fuels, and consumer products. Most recently, Diesel-exhaust particulate matter (DPM) was added to the ARB list of TACs. DPM is the primary TACs of concern for mobile sources. Of all controlled TACs, emissions of DPM are estimated to be responsible for about 70 percent of the total ambient TAC risk. The ARB has made the reduction of the public's exposure to DPM one of its highest priorities, with an aggressive plan to require cleaner diesel fuel and cleaner diesel engines and vehicles (ARB 2005).

At the local level, air districts have authority over stationary or industrial sources. All projects that require air quality permits from the SLOAPCD are evaluated for TAC emissions. The SLOAPCD limits emissions and public exposure to TACs through a number of programs. The SLOAPCD prioritizes TAC-emitting stationary sources, based on the quantity and toxicity of the TAC emissions and the proximity of the facilities to sensitive receptors. The SLOAPCD requires a comprehensive health risk assessment for facilities that are classified in the significant-risk category, pursuant to AB 2588. No major existing sources of TACs have been identified in the project area.

ASBESTOS

Asbestos is the common name for a group of naturally-occurring fibrous silicate minerals that can separate into thin but strong and durable fibers. Naturally-occurring asbestos, which was identified as a TAC in 1986 by ARB, is located in many parts of California and is commonly associated with ultramafic rock. The project site is not located within an area identified as having a potential for naturally-occurring ultramafic rock and serpentine soils. However, the project site is located in the vicinity of areas identified by SLOAPCD as having a potential for NOA. The proposed project would not require the demolition of existing structures.

Ambient Air Quality

Air pollutant concentrations are measured at several monitoring stations in the SCCAB. The Nipomo Regional Park and Nipomo Guadalupe Road Monitoring Stations are the closest representative monitoring stations with sufficient data to meet U.S. EPA and/or ARB criteria for quality assurance. The monitoring stations record ambient concentrations of ozone, nitrogen dioxide, PM_{2.5}, and PM₁₀. Ambient monitoring data was obtained for the last three years of available measurement data (i.e., 2018 through 2020) and is summarized in Table 2. As depicted, the national standard for PM_{2.5} was exceeded once in 2018 and 7 times in 2020. Measured 1-hour ozone, NO₂, and PM₁₀ concentrations did not exceed the state and federal ambient air quality standards in the last three years of monitoring.

Table 2. Summary of Ambient Air Quality Monitoring Data

Pollutant	Monitoring Year		
	2018	2019	2020
Ozone (O₃)⁽¹⁾			
Maximum concentration (1-hour/8-hour average; ppm)	0.063/0.055	0.064/0.054	0.067/0.064
Number of days state/national 1-hour standard exceeded	0/0	0/0	0/0
Number of days state/national 8-hour standard exceeded	0/0	0/0	0/0
Nitrogen Dioxide (NO₂)⁽¹⁾			
Maximum concentration (1-hour average; ppb)	25	25	23
Annual average (ppb)	2	2	2
Number of days state/national standard exceeded	0/0	0/0	0/0
Suspended Particulate Matter (PM_{2.5})⁽²⁾			
Maximum 24-hour concentration (national/state; µg/m ³)	38.3	23.6	84.5
Annual average national/state (µg/m ³)	7.5/7.6	7.0/7.0	9.4/9.5
Number of days national standard exceeded (measured/calculated) ⁽³⁾	1/1	0/0	7/7.3
Suspended Particulate Matter (PM₁₀)⁽¹⁾			
Maximum concentration (national/state; µg/m ³)	89.8	142.7	104.2
Number of days state standard exceeded (measured/calculated) ⁽³⁾	20/20	15/NA	17/17
Number of days national standard exceeded (measured/calculated) ⁽³⁾	0/0	0/0	0/0
<p><i>ppm = parts per million by volume, µg/m³ = micrograms per cubic meter, NA=Not Available</i></p> <p><i>1. Based on ambient concentrations obtained from the Nipomo-Regional Park Monitoring Station.</i></p> <p><i>2. Based on ambient concentrations obtained from the Nipomo-Guadalupe Road Monitoring Station.</i></p> <p><i>3. Measured days are those days that an actual measurement was greater than the standard. Calculated days are estimated days that measurement would have exceeded the standard had measurements been collected every day.</i></p> <p><i>Source: ARB 2021b</i></p>			

Regulatory Framework

Air quality within the SCCAB is regulated by several jurisdictions including the U.S. EPA, ARB, and the SLOAPCD. Each of these jurisdictions develops rules, regulations, and policies to attain the goals or directives imposed upon them through legislation.

Federal

U.S. ENVIRONMENTAL PROTECTION AGENCY

At the federal level, the U.S. EPA has been charged with implementing national air quality programs. The U.S. EPA's air quality mandates are drawn primarily from the FCAA, which was signed into law in 1970. Congress substantially amended the FCAA in 1977 and again in 1990.

FEDERAL CLEAN AIR ACT

The FCAA required the US EPA to establish National Ambient Air Quality Standards (NAAQS or National AAQS), and also set deadlines for their attainment. Two types of NAAQS have been established: primary standards, which protect public health, and secondary standards, which protect public welfare from non-health-related adverse effects, such as visibility restrictions. NAAQS are summarized in Table 3.

State

CALIFORNIA AIR RESOURCES BOARD

The California Air Resources Board (ARB) is the agency responsible for coordination and oversight of state and local air pollution control programs in California and for implementing the California Clean Air Act (CCAA) of 1988. Other ARB duties include monitoring air quality (in conjunction with air monitoring networks maintained by air pollution control districts and air quality management districts, establishing California

Ambient Air Quality Standards (CAAQS), which in many cases are more stringent than the NAAQS, and setting emissions standards for new motor vehicles. The CAAQS are summarized in Table 3. The emission standards established for motor vehicles differ depending on various factors including the model year, and the type of vehicle, fuel, and engine used.

CALIFORNIA CLEAN AIR ACT

The CCAA requires that all air districts in the state endeavor to achieve and maintain CAAQS for Ozone, CO, SO₂, and NO₂ by the earliest practicable date. The CCAA specifies that districts focus particular attention on reducing the emissions from transportation and area-wide emission sources, and the act provides districts with authority to regulate indirect sources. Each district plan is required to either (1) achieve a five percent annual reduction, averaged over consecutive 3-year periods, in district-wide emissions of each non-attainment pollutant or its precursors, or (2) to provide for the implementation of all feasible measures to reduce emissions. Any planning effort for air quality attainment would thus need to consider both state and federal planning requirements.

ASSEMBLY BILLS 1807 & 2588 - TOXIC AIR CONTAMINANTS

Within California, TACs are regulated primarily through AB 1807 (Tanner Air Toxics Act) and AB 2588 (Air Toxics Hot Spots Information and Assessment Act of 1987). The Tanner Air Toxics Act sets forth a formal procedure for ARB to designate substances as TACs. This includes research, public participation, and scientific peer review before ARB designates a substance as a TAC. Existing sources of TACs that are subject to the Air Toxics Hot Spots Information and Assessment Act are required to: (1) prepare a toxic emissions inventory; (2) prepare a risk assessment if emissions are significant; (3) notify the public of significant risk levels; and (4) prepare and implement risk reduction measures.

IN-USE OFF-ROAD DIESEL VEHICLE REGULATION

On July 26, 2007, the ARB adopted a regulation to reduce diesel particulate matter (PM) and oxides of nitrogen (NO_x) emissions from in-use (existing) off-road heavy-duty diesel vehicles in California. The regulation applies to self-propelled diesel-fueled vehicles that cannot be registered and licensed to drive on-road, as well as two-engine vehicles that drive on road, with the limited exception of two-engine sweepers. Examples include loaders, crawler tractors, skid steers, backhoes, forklifts, airport ground support equipment, water well drilling rigs, and two-engine cranes. Such vehicles are used in construction, mining, and industrial operations. The regulation does not apply to stationary equipment or portable equipment such as generators. The off-road vehicle regulation establishes emissions performance requirements, reporting, disclosure, and labeling requirements for off-road vehicles, and limits unnecessary idling.

CALIFORNIA BUILDING CODE

The California Building Code (CBC) contains standards that regulate the method of use, properties, performance, or types of materials used in the construction, alteration, improvement, repair, or rehabilitation of a building or other improvement to real property. The California Building Code is adopted every three years by the Building Standards Commission (BSC). In the interim, the BSC also adopts annual updates to make necessary mid-term corrections. The CBC standards apply statewide; however, a local jurisdiction may amend a CBC standard if it makes a finding that the amendment is reasonably necessary due to local climatic, geological, or topographical conditions.

GREEN BUILDING STANDARDS

In essence, green buildings standards are indistinguishable from any other building standards. Both standards are contained in the California Building Code and regulate the construction of new buildings and improvements. The only practical distinction between the two is that whereas the focus of traditional building standards has been protecting public health and safety, the focus of green building standards is to improve environmental performance.

Table 3. Summary of Ambient Air Quality Standards & Attainment Designations

Pollutant	Averaging Time	California Standards****		Federal Standards****	
		Concentration	Attainment Status	Concentration	Attainment Status
Ozone (O ₃)	1 Hour	0.09 ppm (180 µg/m ³)	Non-Attainment	-	Non-Attainment Eastern SLO County - Attainment Western SLO County***
	8 Hour	0.070 ppm (137 µg/m ³)		0.070 ppm (137 µg/m ³)*****	
Respirable Particulate Matter (PM ₁₀)	24 Hour	50 µg/m ³	Non-Attainment	150 µg/m ³	Unclassified*/ Attainment
	Annual Arithmetic Mean	20 µg/m ³		-	
Fine Particulate Matter (PM _{2.5})	24 Hour	No State Standard	Attainment	35 µg/m ³	Unclassified*/ Attainment
	Annual Arithmetic Mean	12 µg/m ³		12.0 µg/m ³ ****	
Carbon Monoxide (CO)	8 Hour	9.0 ppm (10 mg/m ³)	Attainment	9 ppm (10 mg/m ³)	Unclassified*
	1 Hour	20 ppm (23 mg/m ³)		35 ppm (40 mg/m ³)	
Nitrogen Dioxide (NO ₂)	Annual Arithmetic Mean	0.030 ppm (57 µg/m ³)	Attainment	0.053 ppm (100 µg/m ³)	Unclassified*
	1 Hour	0.18 ppm (330 µg/m ³)		100 ppb (196 mg/m ³)	
Sulfur Dioxide (SO ₂)	Annual Arithmetic Mean	-	Attainment	0.030 ppm (80 µg/m ³)	Unclassified*
	24 Hour	0.04 ppm (105 µg/m ³)		0.14 ppm (365 µg/m ³)	
	3 Hour	-		0.5 ppm (1300 µg/m ³)**	
	1 Hour	0.25 ppm (655 µg/m ³)		75 ppb (196 mg/m ³)	
Lead*	30 Day Average	1.5 µg/m ³	Attainment	-	No Attainment Information
	Calendar Quarter	-		1.5 µg/m ³	
	Rolling 3-Month Average*	-		0.15 µg/m ³	
Visibility Reducing Particles	8 Hour	Extinction coefficient of 0.23 per kilometer – visibility of ten miles or more (0.07-30 miles or more for Lake Tahoe) due to particles when relative humidity is less than 70 percent. Method: Beta Attenuation and Transmittance through Filter Tape.	Attainment	No Federal Standards	
Sulfates	24 Hour	25 µg/m ³	Attainment		
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m ³)	Attainment		
Vinyl Chloride*	24 Hour	0.01 ppm (26 µg/m ³)	No Attainment Information		

* Unclassified (EPA/Federal definition): Any area that cannot be classified on the basis of available information as meeting or not meeting the national primary or secondary ambient air quality standard for that pollutant. ** Secondary Standard
 *** San Luis Obispo County has been designated non-attainment east of the -120.4 deg Longitude line, in areas of SLO County that are south of latitude 35.45 degrees, and east of the -120.3 degree Longitude line, in areas of SLO County that are north of latitude 35.45 degrees. Map of non-attainment area is available upon request from the APCD. **** For more information on standards visit: <http://www.arb.ca.gov/research/aaqs/aaqs2.pdf>
 Attainment (EPA/Federal definition): Any area that meets the national primary or secondary ambient air quality standard for that pollutant. (CA definition): State standard was not exceeded during a three year period. ***** Federal PM_{2.5} Secondary Standard is 15µg/m³
 Non-Attainment (EPA/Federal definition): Any area that does not meet, or contributes to an area that does not meet the national primary or secondary ambient air quality standard for that pollutant. (CA definition): State standard was exceeded at least once during a three year period. *****The 2008 NAAQS for 8hr ozone is 0.075 ppm. The 2015 NAAQS for 8hr ozone is 0.070 ppm. The attainment status shown in this table relates to the 2008 and 2015 NAAQS. SLO County has been designated non-attainment of the 2015 NAAQS. NAAQS is National Ambient Air Quality Standards IE:OUTREACH\AttainmentStatus Revised January 29, 2019

Source: SLOAPCD 2020

The 2019 Building Energy Efficiency Standards (2019 Standards), previously adopted in May 2018, addressed four key areas: smart residential photovoltaic systems, updated thermal envelope standards (preventing heat transfer from the interior to the exterior and vice versa), residential and nonresidential ventilation requirements, and non-residential lighting requirements. The 2019 Standards required new residential and non-residential construction; as well as major alterations to existing structures, to include electric vehicle (EV)-capable parking spaces which have electrical panel capacity and conduit to accommodate future installation. In addition, the 2019 Standards also required the installation of solar photovoltaic (PV) systems for low-rise residential dwellings, defined as single-family dwellings and multi-family dwellings up to three-stories in height. The solar PV systems are to be sized based on the buildings annual electricity demand, the building square footage, and the climate zone within which the home is located. However, under the *2019 Building Energy Efficiency Standards*, homes may still rely on other energy sources, such as natural gas. Compliance with the *2019 Building Energy Efficiency Standards*, including the solar PV system mandate, residential dwellings will use approximately 50 to 53 percent less energy than those under the 2016 standards. Actual reduction will vary depending on various factors (e.g., building orientation, sun exposure). Non-residential buildings will use about 30 percent less energy due mainly to lighting upgrades (CEC 2018).

The recently updated 2022 Building Energy Efficiency Standards (2022 Standards), which were approved in December 2021, encourages efficient electric heat pumps, establishes electric-ready requirements when natural gas is installed and to support the future installation of battery storage, and further expands solar photovoltaic and battery storage standards. The 2022 Standards extend solar PV system requirements, as well as battery storage capabilities for select land uses, including high-rise multi-family and non-residential land uses, such as office buildings, schools, restaurants, warehouses, theaters, grocery stores, and more. Depending on the land use and other factors, solar systems should be sized to meet targets of up to 60 percent of the structure's loads. These new solar requirements will become effective January 1, 2023 and contribute to California's goal of reaching net-zero carbon footprint by 2045 (CEC 2022).

Local

COUNTY OF SAN LUIS OBISPO AIR POLLUTION CONTROL DISTRICT

The SLOAPCD is the agency primarily responsible for ensuring that NAAQS and CAAQS are not exceeded and that air quality conditions within the region are maintained. Responsibilities of the SLOAPCD include, but are not limited to, preparing plans for the attainment of ambient air quality standards, adopting and enforcing rules and regulations concerning sources of air pollution, issuing permits for stationary sources of air pollution, inspecting stationary sources of air pollution and responding to citizen complaints, monitoring ambient air quality and meteorological conditions, and implementing programs and regulations required by the FCAA and the CCAA.

Impact Analysis

Thresholds of Significance

In accordance with Appendix G of the *State CEQA Guidelines*, air quality impacts associated with the proposed project would be considered significant if it would:

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

To assist in the evaluation of air quality impacts, the SLOAPCD has developed recommended significance thresholds, which are contained in the SLOAPCD's *CEQA Air Quality Handbook* (2012). For the purposes of

this analysis, project emissions are considered potentially significant impacts if any of the following SLOAPCD thresholds are exceeded:

Construction Impacts

The threshold criteria established by the SLOAPCD to determine the significance and appropriate mitigation level for a project's short-term construction emissions are presented in Table 4 and discussed, as follows (SLOAPCD 2012):

Table 4. SLOAPCD Thresholds of Significance for Project-Level Construction Impacts

Pollutant	Threshold ⁽¹⁾		
	Daily (lbs/day)	Quarterly Tier 1 (tons)	Quarterly Tier 2 (tons)
Ozone Precursors (ROG + NO _x)	137	2.5	6.3
Diesel Particulate Matter (DPM)	7	0.13	0.32
Fugitive Particulate Matter (PM ₁₀), Dust ⁽²⁾	None	2.5	None
<i>1. Daily and quarterly emissions thresholds are based on the California Health & Safety Code and the ARB Carl Moyer Guidelines. 2. Any project with a grading area greater than 4.0 acres of a worked area can exceed the 2.5 tons PM10 quarterly threshold. Source: SLOAPCD 2012</i>			

ROG and NO_x Emissions

Daily: For construction projects exceeding the 137 lbs/day threshold requires Standard Mitigation Measures;

Quarterly – Tier 1: For construction projects exceeding the 2.5 tons/quarter threshold, require Standard Mitigation Measures and Best Available Control Technology (BACT) for construction equipment. Off-site mitigation may be required if feasible mitigation measures are not implemented, or if no mitigation measures are feasible for the project.

Quarterly – Tier 2: For construction projects exceeding the 6.3 tons/quarter threshold, require Standard Mitigation Measures, BACT, implementation of a Construction Activity Management Plan (CAMP) and off-site mitigation are required.

Diesel Particulate Matter (DPM) Emissions

Daily: For construction projects exceeding the 7 lbs/day threshold, require Standard Mitigation Measures;

Quarterly - Tier 1: For construction projects exceeding the 0.13 tons/quarter threshold, require Standard Mitigation Measures, BACT for construction equipment; and,

Quarterly - Tier 2: For construction projects exceeding the 0.32 tons/quarter threshold, require Standard Mitigation Measures, BACT, implementation of a CAMP, and off-site mitigation.

Fugitive Particulate Matter (PM₁₀), Dust Emissions

Quarterly- Tier 1: For construction projects exceeding the 2.5 tons/quarter threshold requires Fugitive PM₁₀ Mitigation Measures and may require the implementation of a CAMP.

Operational Impacts

Criteria Air Pollutants

The threshold criteria established by the SLOAPCD to determine the significance and appropriate mitigation level for long-term operational emissions from a project are presented in Table 5. Projects exceeding the 25 ton/year threshold may be required to complete an Activity Management Plan (AMP), which would be constructed in a similar manner to the CAMP mitigation approach for construction-related emissions.

Table 5. SLOAPCD Thresholds of Significance for Project-Level Operational Impacts

Pollutant	Threshold ⁽¹⁾	
	Daily (lbs/day)	Annual (tons/year)
Ozone Precursors (ROG + NO _x)	25	25
Diesel Particulate Matter (DPM)	1.25	None
Fugitive Particulate Matter (PM ₁₀), Dust	25	25
CO	550	None
<i>1. Daily and annual emissions thresholds are based on the California Health & Safety Code Division 26, Part 3, Chapter 10, Section 40918 and the ARB Carl Moyer Guidelines for DPM. Source: SLOAPCD 2012</i>		

Toxic Air Contaminants

If a project has the potential to emit toxic or hazardous air pollutants or is located in close proximity to sensitive receptors, impacts may be considered significant due to increased cancer risk for the affected population. The SLOAPCD has defined the excess cancer risk significance threshold at 10 in a million for projects.

Localized CO Concentrations

Localized CO concentrations associated with the proposed project would be considered a less-than-significant impact if: (1) Traffic generated by the proposed project would not result in deterioration of signalized intersection level of service (LOS) to LOS E or F; or (2) the project would not contribute additional traffic to a signalized intersection that already operates at LOS of E or F.

Odors

Screening of potential odor impacts is typically recommended for the following two situations:

- Projects that would potentially generate odorous emissions proposed to locate near existing sensitive receptors or other land uses where people may congregate; and
- Residential or other sensitive receptor projects or other projects that may attract people locating near existing odor sources.

If the proposed project would locate receptors and known odor sources within one mile of each other, a full analysis of odor impacts is recommended. Known odor sources of primary concern, as identified by the SLOAPCD include landfills, transfer stations, asphalt batch plants, rendering plants, petroleum refineries, and painting/coating operations, as well as, composting, food processing, wastewater treatment, chemical manufacturing, and feedlot/dairy facilities.

Methodology

Emissions associated with the construction of the proposed project were calculated using the California Emissions Estimator Model (CalEEMod), version 2020.4.0, computer program. Project construction is anticipated to occur over an approximately 96-month period beginning in 2023. According to project specific plan, no material would be imported or exported, and no existing structures would be demolished. Additional construction information, such as construction activities, construction schedules, equipment use, and vehicle trips were not available and were based on default parameters contained in the model. Construction of the proposed land uses was assumed to require grubbing (removal of brush/trees), site preparation, grading, building construction, paving, and application of architectural coatings. Project construction information is preliminary and is subject to change. Building construction for planned land uses was based on anticipated project development schedules provided. Modeling assumptions and output files are included in Appendix C of this report.

Long-term operational GHG emissions were calculated using the CalEEMod, version 2020.4.0. Electricity intensity factors were adjusted to reflect compliance with the State's Renewables Portfolio Standards. Mobile-source emissions were calculated based on vehicle trip-generation rates derived from the traffic analysis prepared for this project (CCTC 2021). Vehicle travel distribution/distances were not available and were based on model defaults for San Luis Obispo County. Emission modeling files are provided in Appendix C.

Project Impacts and Mitigation Measures

Impact AQ-A. Conflict with or obstruct implementation of the applicable air quality plan?

SLOAPCD Clean Air Plan

As part of the CCAA, the SLOAPCD is required to develop a plan to achieve and maintain the state ozone standard by the earliest practicable date. The SLOAPCD's 2001 Clean Air Plan (CAP) addresses the attainment and maintenance of state and federal ambient air quality standards. The CAP was adopted by SLOAPCD's on March 26, 2002.

The SLOAPCD's CAP outlines the district's strategies to reduce ozone-precursor pollutants (i.e., ROG and NOX) from a wide variety of sources. The SLOAPCD's CAP includes a stationary-source control program, which includes control measures for permitted stationary sources; as well as transportation and land use management strategies to reduce motor vehicle emissions and use. The stationary-source control program is administered by SLOAPCD. Transportation and land use control measures are implemented at the local or regional level, by promoting and facilitating the use of alternative transportation options, increased pedestrian access and accessibility to community services and local destinations, reductions in vehicle miles traveled, and promotion of congestion management efforts. In addition, local jurisdictions also prepare population forecasts, which are used by SLOAPCD to forecast population-related emissions and air quality attainment, including those contained in the SLOAPCD's CAP. As a result, consistency with the SLOAPCD's CAP has been evaluated based on the proposed project's consistency with the land use management strategies and transportation control measures identified in the CAP. This analysis also provides an analysis of regional vehicle miles traveled (VMT) and consistency with regional VMT-reduction efforts. Regional VMT estimates are relied upon for regional air quality planning purposes. Regional VMT and growth projections are used to determine the strategies to be implemented sufficient to reach the emission reduction targets set by the California Air Resources Board through SB 375 which is transportation legislation that supports the broader 2030 emission reduction targets required in SB 32.

Transportation and Land Use Control Measures

The SLOAPCD's CAP includes multiple transportation and land use control measures intended to reduce emissions through reductions in VMT and the promotion of alternative forms of transportation. The control measures applicable to the proposed project are summarized in Table 6. As noted the proposed project would be considered consistent with these applicable measures.

Jobs-Housing Balance

The proposed project is located within the Nipomo Community Services District Sphere of Influence. Nipomo is an unincorporated area that is jobs poor. The project would result in the creation of 1,441 dwelling units and approximately 273 new jobs, which would increase the gap between jobs and housing. Deterioration in a jobs-to-housing imbalance would be anticipated to hinder local and regional improvements related to increased transportation mobility and potential increase in VMT. The proposed project would be inconsistent with this measure.

Projected VMT Growth

The proposed project includes creation of single family residential units, multi-family residential units, flex commercial space, commercial retail space, and a hotel. Table 7 presents a summary of project VMT impacts as analyzed in the Traffic Impact Study prepared for the project (CCTC 2021). As depicted, the project would generate 26.9 VMT per employee and 30.0 VMT per capita, which are 4.46 percent and 9.34 percent above the thresholds identified in the County of San Luis Obispo's Transportation Impact Analysis Guidelines (San Luis Obispo County 2020). Regional VMT would also be expected to increase by 26,861 miles which exceed the significance threshold of retail and other projects to have no net increase in overall VMT.

Implementation of the proposed project would worsen the jobs-housing balance within the project area, as well as result in increases in regional VMT in excess of applicable per capita thresholds. As a result, this impact would be considered **potentially significant**.

Table 6. Project Consistency with SLOAPCD’s CAP Transportation and Land Use Control Measures

Control Measures	Project Consistency
Land Use Planning Strategies	
L-3 Balancing Jobs and Housing. <ul style="list-style-type: none"> Within cities and unincorporated communities, the gap between the availability of jobs and housing should be narrowed and should not be allowed to expand. 	Inconsistent. The proposed project is located within the Nipomo Community Services District Sphere of Influence. Nipomo is an unincorporated area that is jobs poor. The project would result in the creation of 1,441 dwelling units and approximately 273 new jobs, which would increase the gap between jobs and housing. Deterioration in a jobs-to-housing imbalance would be anticipated to hinder local and regional improvements related to increased transportation mobility and potential increase in VMT. The proposed project would be inconsistent with this measure. (SLOCOG 2019)
Transportation Control Measures	
T-2B Regional Public Transit Improvements. <ul style="list-style-type: none"> The goal of this measure is to improve transit service and facilities that will promote increased public transit use instead of a private automobile. 	Consistent with Mitigation Incorporated. <ul style="list-style-type: none"> Transit service does not have a route that passes the project location. The Project site and expansion supports the use of bicycle and pedestrian activity. Sidewalks are provided adjacent to and onto the site. The project proposes to maintain bicycle and pedestrian accommodation. Mitigation Measure AQ-3 would add additional measures to reduce operational emissions, including the installation of bicycle storage per current building code requirements.
T-3 Bicycling and Bikeway Enhancements. <ul style="list-style-type: none"> The goal of this measure is to encourage a modal shift to bicycles through implementation of infrastructure improvements and administrative actions that provide inexpensive commute options and increased safety and convenience for commuters. 	
T-8 Teleworking, Teleconferencing, and Telelearning. <ul style="list-style-type: none"> The objective of this measure is to reduce the number of trips and miles traveled by employees and students by promoting teleworking, tele-conferencing and telelearning. 	

Table 7. Project VMT Impact Summary

Category	VMT Per Employee	VMT Per Capita
County Threshold	25.7	27.2
Proposed Project	26.9	30.0
Percent Reduction in VMT Required to Reduce to Below Threshold	4.46%	9.34%
<i>Source: CCTC 2021</i>		

Particulate Matter Report – Implementation of SB 656 Requirements

In July 2005, SLOAPCD adopted the *Particulate Matter Report* (PM Report). The PM Report identifies various measures and strategies to reduce public exposure to PM emitted from a wide variety of sources, including emissions from permitted stationary sources and fugitive sources, such as construction activities. As discussed in Impact AQ-B, uncontrolled fugitive dust generated during construction may result in localized pollutant concentrations that may result in increased nuisance concerns to nearby land uses. Therefore, construction-generated emissions of PM would be considered to have a **potentially significant** impact with regard to air quality planning efforts.

Mitigation Measures

Implement Mitigation Measures AQ-1 through AQ-3 (refer to Impact AQ-B).

Significance After Mitigation

Implementation of Mitigation Measures AQ-1 and AQ-2 would include measures to reduce construction-generated emissions. Mitigation Measures AQ-3 would include measures to reduce operational emissions. Together these measures would help to provide consistency with the measures identified in the SLOAPCD's CAP. However, mitigated emissions would still exceed SLOAPCD's recommended significant thresholds. In addition, as previously noted, implementation of the proposed project could hinder local and regional jobs-to-housing balance and result in VMT growth beyond applicable per capita thresholds. This impact would be considered **significant and unavoidable**.

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

Short-term Construction Emissions

Construction-generated emissions are of temporary duration, lasting only as long as construction activities occur, but have the potential to represent a significant air quality impact. Construction of the proposed project would result in the temporary generation of emissions associated with site grading and excavation, paving, motor vehicle exhaust associated with construction equipment and worker trips, as well as the movement of construction equipment on unpaved surfaces. Short-term construction emissions would result in increased emissions of ozone-precursor pollutants (i.e., ROG and NO_x) and emissions of PM. Emissions of ozone-precursors would result from the operation of on- and off-road motorized vehicles and equipment. Emissions of airborne PM are largely dependent on the amount of ground disturbance associated with site preparation activities and can result in increased concentrations of PM that can adversely affect nearby sensitive land uses. Estimated maximum daily and quarterly emissions associated with construction of the proposed project are presented in Table 8 and Table 9, respectively, and summarized in Table 10.

As depicted in Tables 8 and tables 10, maximum daily emissions associated with the construction of the proposed project would total approximately 210.39 lbs/day of ROG+NO_x and 3.69 lbs/day of exhaust PM₁₀. As depicted in Tables 9 and 10, maximum quarterly construction-generated emissions would total approximately 4.46 tons/quarter of ROG+NO_x, 0.96 tons/quarter of fugitive PM₁₀, and 0.06 tons/quarter of exhaust PM₁₀. Maximum daily and quarterly construction emissions of ROG+NO_x would exceed SLOAPCD's daily and quarterly Tier 1 significance thresholds, but would not exceed the quarterly Tier 2 significance threshold. Emissions would be largely a result of mobile-source emissions associated with construction vehicle and equipment operations anticipated to occur during the building construction phase. Estimated emissions of fugitive PM and DPM would not exceed SLOAPCD's significance thresholds. However, if uncontrolled, fugitive dust generated during construction may result in localized pollutant concentrations that could exceed ambient air quality standards and result in increased nuisance concerns to nearby land uses. For these reasons, construction-generated emissions would be considered to have a **potentially significant impact**.

Table 8. Daily Construction Emissions Without Mitigation

Construction Activity	Construction Year	Maximum Daily Emissions (lbs/day) ¹	
		ROG+NO _x	Exhaust PM ₁₀
Grubbing	2023	23.84	1.00
Site Prep	2023	30.29	1.27
Grading	2023	37.95	1.42
Residential – Building Construction	2024	51.25	0.61
Residential – Architectural Coating	2024	40.98	0.08
Commercial & Educational - Building Construction	2024	18.25	0.61
Commercial & Educational - Architectural Coating	2024	3.81	0.06
Residential – Building Construction	2025	48.87	0.53
Residential – Architectural Coating	2025	40.76	0.05
Commercial & Educational - Building Construction	2025	17.09	0.53
Commercial & Educational - Architectural Coating	2025	3.73	0.05
Residential – Building Construction	2026	47.69	0.53
Residential – Architectural Coating	2026	40.63	0.05
Commercial & Educational - Building Construction	2026	16.96	0.53
Commercial & Educational - Architectural Coating	2026	3.72	0.05
Hotel – Building Construction	2026	14.35	0.53
Hotel – Paving	2026	8.45	0.35
Hotel – Architectural Coating	2026	78.59	0.05
Residential – Building Construction	2027	49.61	0.53
Residential – Architectural Coating	2027	40.52	0.05
Commercial & Educational - Building Construction	2027	16.86	0.53
Commercial & Educational - Architectural Coating	2027	3.70	0.05
Residential – Building Construction	2028	45.65	0.53
Residential – Architectural Coating	2028	40.59	0.05
Commercial & Educational - Building Construction	2028	16.78	0.53
Commercial & Educational - Architectural Coating	2028	3.70	0.05
Residential – Building Construction	2029	44.72	0.53
Residential – Architectural Coating	2029	40.49	0.05
Commercial & Educational - Building Construction	2029	16.70	0.53
Commercial & Educational - Architectural Coating	2029	3.69	0.05
Commercial & Educational - Paving	2029	10.23	0.42
Residential – Building Construction	2030	39.34	0.15
Residential – Architectural Coating	2030	40.08	0.02
Residential – Paving	2030	8.56	0.33
SLOAPCD Daily Thresholds (pounds/day)		137	7
Maximum Daily Emissions-Year 2023		92.08	3.69
Exceed SLOAPCD Thresholds?		No	No
Maximum Daily Emissions-Year 2024		114.29	1.36
Exceed SLOAPCD Thresholds?		No	No
Maximum Daily Emissions-Year 2025		110.45	1.16
Exceed SLOAPCD Thresholds?		No	No
Maximum Daily Emissions-Year 2026		210.39	2.09
Exceed SLOAPCD Thresholds?		Yes	No
Maximum Daily Emissions-Year 2027		110.69	1.16
Exceed SLOAPCD Thresholds?		No	No
Maximum Daily Emissions-Year 2028		106.72	1.16
Exceed SLOAPCD Thresholds?		No	No
Maximum Daily Emissions-Year 2029		115.83	1.58
Exceed SLOAPCD Thresholds?		No	No
Maximum Daily Emissions-Year 2030		87.98	0.50
Exceed SLOAPCD Thresholds?		No	No
<i>Maximum Daily Emissions: Based on construction schedule information provided and default assumptions contained in the CalEEMod computer model. Assumes that construction, paving, and application of architectural coatings could potentially occur simultaneously on any given day. To be conservative, exhaust PM₁₀ emissions were compared to SLOAPCD’s DPM threshold. Totals may not sum due to rounding. Refer to Appendix C for modeling assumptions and results.</i>			
<i>1. Maximum daily emissions include on-site and off-site emissions.</i>			

Table 9. Quarterly Construction Emissions Without Mitigation

Quarter	Maximum Quarterly Emissions (tons) ¹			
	ROG+NO _x	PM ₁₀		
		Fugitive	Exhaust ²	Total
Year 2023 - Quarter 1	1.42	0.45	0.05	0.51
Year 2023 - Quarter 2	1.50	0.63	0.06	0.69
Year 2023 - Quarter 3	1.20	0.30	0.04	0.34
Year 2023 - Quarter 4	1.18	0.29	0.04	0.34
Year 2024 - Quarter 1	2.62	0.78	0.04	0.83
Year 2024 - Quarter 2	3.53	0.88	0.04	0.93
Year 2024 - Quarter 3	3.53	0.88	0.04	0.93
Year 2024 - Quarter 4	3.54	0.86	0.04	0.91
Year 2025 - Quarter 1	3.43	0.86	0.04	0.91
Year 2025 - Quarter 2	3.30	0.88	0.03	0.92
Year 2025 - Quarter 3	3.30	0.88	0.04	0.92
Year 2025 - Quarter 4	3.42	0.86	0.04	0.91
Year 2026 - Quarter 1	3.82	0.87	0.05	0.93
Year 2026 - Quarter 2	3.82	0.88	0.05	0.95
Year 2026 - Quarter 3	3.82	0.88	0.05	0.95
Year 2026 - Quarter 4	4.46	0.87	0.05	0.93
Year 2027 - Quarter 1	3.34	0.86	0.04	0.91
Year 2027 - Quarter 2	3.33	0.96	0.04	0.91
Year 2027 - Quarter 3	3.33	0.96	0.04	1.00
Year 2027 - Quarter 4	3.34	0.86	0.04	0.91
Year 2028 - Quarter 1	3.31	0.86	0.04	0.90
Year 2028 - Quarter 2	3.30	0.88	0.04	0.92
Year 2028 - Quarter 3	3.30	0.88	0.04	0.92
Year 2028 - Quarter 4	3.31	0.86	0.04	0.90
Year 2029 - Quarter 1	3.27	0.86	0.04	0.90
Year 2029 - Quarter 2	3.27	0.88	0.04	0.92
Year 2029 - Quarter 3	3.27	0.88	0.04	0.92
Year 2029 - Quarter 4	3.22	0.85	0.03	0.89
Year 2030 - Quarter 1	2.64	0.80	0.01	0.82
Year 2030 - Quarter 2	2.72	0.82	0.02	0.84
Year 2030 - Quarter 3	2.72	0.82	0.02	0.84
Year 2030 - Quarter 4	2.64	0.80	0.01	0.82
SLOAPCD Quarterly Tier 1/Tier 2 Thresholds (tons/quarter)	2.5/6.3	2.5/None	0.13/0.32	None
Maximum Quarterly Emissions:	4.46	0.96	0.06	1.00
Exceed SLOAPCD Tier 1/Tier 2 Thresholds?	Yes/No	No/NA	No/No	NA
<p><i>Maximum Quarterly Emissions:</i> Based on construction schedule information provided and default assumptions contained in the CalEEMod computer model. On-site exhaust PM₁₀ emissions were compared to SLOAPCD's DPM threshold. Totals may not sum due to rounding. Refer to Appendix C for modeling assumptions and results.</p> <p>1. Maximum quarterly emissions include on-site and off-site emissions.</p> <p>2. Reflects PM₁₀ exhaust for diesel-fueled equipment for comparison to SLOAPCD's DPM thresholds.</p>				

Table 10. Summary of Construction Emissions Without Mitigation

Criteria	Project Emissions	SLOAPCD Significance Threshold		Exceeds Significance Threshold?	
		Tier 1	Tier 2	Tier 1	Tier 2
Maximum Daily Emissions of ROG+NO _x	210.39 lbs/day	137 lbs/day		Yes	
Maximum Daily Emissions of DPM	3.69 lbs/day	7 lbs/day		No	
Maximum Quarterly Emissions of ROG+NO _x	4.46 tons/qtr.	2.5 tons/qtr.	6.3 tons/qtr.	Yes	No
Maximum Quarterly Emissions of DPM	0.06 tons/qtr.	0.13 tons/qtr.	0.32 tons/qtr.	No	No
Maximum Quarterly Emissions of Fugitive PM	0.96 tons/qtr.	2.5 tons/qtr.	None	No	No
<i>Refer to Appendix C for modeling assumptions and results.</i>					

Mitigation Measures

AQ-1: The following measures shall be implemented to reduce construction generated mobile-source and evaporative emissions:

1. A Construction Activity Management Plan (CAMP) shall be prepared. The CAMP shall be submitted to SLOAPCD for review and approval at least three months before the start of construction. The CAMP shall include a dust-control management plan, tabulation of on and off-road construction equipment (age, horse-power, and usage rates), construction truck trip schedules, construction work-day period, and construction phasing. If there are any changes to these assumptions after completion of the CAMP, the applicant shall coordinate with SLOAPCD to ensure alterations are not detrimental to emissions reduction strategies and that revisions to the CAMP are not required. If implementation of Standard Mitigation and Best Available Control Technology measures cannot reduce project emissions to below SLOAPCD's Tier 2 threshold, off-site mitigation shall be implemented in coordination with SLOAPCD to reduce NO_x and ROG emissions to below the Tier 2 threshold. At a minimum, the following measures shall be implemented and included in the CAMP to reduce construction generated mobile-source and evaporative emissions:
 1. Maintain all construction equipment in proper tune according to manufacturer's specifications.
 2. Fuel all off-road and portable diesel-powered equipment with ARB certified motor vehicle diesel fuel (non-taxed version suitable for use off-road).
 3. Diesel-fueled construction equipment shall meet, at a minimum, ARB's Tier 3, or newer, certified engines or cleaner off-road heavy-duty diesel engines, and comply with the State Off-Road Regulation. Heavy-duty off-road equipment meeting Tier 4 emissions standards shall be used to the extent locally available.
 4. Use on-road heavy-duty trucks that meet the ARB's 2010, or cleaner, certification standard for on-road heavy-duty diesel engines, and comply with the State On-Road Regulation.
 5. Construction or trucking companies with fleets that do not have engines in their fleet that meet the engine standards identified in the above two measures (e.g. captive or NO_x exempt area fleets) may be eligible by proving alternative compliance.
 6. Electrify equipment when feasible.
 7. Substitute gasoline-powered in place of diesel-powered equipment, where feasible.
 8. Use alternative-fueled construction equipment on-site where feasible, such as compressed natural gas (CNG), liquefied natural gas (LNG), propane or biodiesel.
 9. When applicable, portable equipment, 50 horsepower (hp) or greater, used during construction activities shall be registered with the California statewide portable equipment registration program (issued by the California Air Resources Board) or be permitted by the APCD. Such equipment may include power screens, conveyors, internal combustion engines, crushers, portable generators, tub grinders, trammel screens, and portable plants (e.g., aggregate plant, asphalt plant, concrete plant). For more information, contact the SLOAPCD Engineering & Compliance Division at (805) 781-5912.

10. Construction of the proposed project shall use low-VOC content paints not exceeding 50 grams per liter.
11. To the extent locally available, use prefinished building materials or materials that do not require the application of architectural coatings.
12. The following idling restrictions near sensitive receptors for both on- and off-road equipment shall be implemented:
 - Staging and queuing areas shall not be located within 1,000 feet of sensitive receptors;
 - Diesel idling within 1,000 feet of sensitive receptors is not permitted;
 - Use of alternative fueled equipment is recommended whenever possible; and,
 - Signs that specify the no-idling requirements must be posted and enforced at the construction site.
13. On-road vehicle operations shall comply with Section 2485 of Title 13, the California Code of Regulations limits diesel-fueled commercial motor vehicles that operate in the State of California with gross vehicular weight ratings of greater than 10,000 pounds and licensed for operation on highways. It applies to California and non-California based vehicles. In general, the regulation specifies that drivers of said vehicles:
 - Shall not idle the vehicle's primary diesel engine for greater than 5 minutes at any location, except as noted in Subsection (d) of the regulation; and,
 - Shall not operate a diesel-fueled auxiliary power system (APS) to power a heater, air conditioner, or any ancillary equipment on that vehicle during sleeping or resting in a sleeper berth for greater than 5.0 minutes at any location when within 100 feet of a restricted area, except as noted in Subsection (d) of the regulation.
 - Signs must be posted in the designated queuing areas and job sites to remind drivers of the 5-minute idling limit. The specific requirements and exceptions in the regulation can be reviewed at the following web site: www.arb.ca.gov/msprog/truck-idling/2485.pdf.
14. Off-road diesel equipment shall comply with the 5-minute idling restriction identified in Section 2449(d)(3) of the California Air Resources Board's In-Use Off-Road Diesel regulation available at: www.arb.ca.gov/regact/2007/ordiesl07/frooal.pdf.
15. Signs shall be posted in the designated queuing areas and job sites to remind on-road and off-road equipment operators of the 5-minute idling limit.

AQ-2: The following measures shall be implemented to reduce construction generated fugitive dust. These measures shall be shown on grading and building plans:

- a. Reduce the amount of disturbed area where possible.
- b. Use water trucks, SLOAPCD approved dust suppressants (see Section 4.3 in the CEQA Air Quality Handbook), or sprinkler systems in sufficient quantities to prevent airborne dust from leaving the site and from exceeding the District's limit of 20% opacity for greater than 3 minutes in any 60-minute period. Increased watering frequency would be required whenever wind speeds exceed 15 mph. Reclaimed (non-potable) water should be used whenever possible. Please note that since water use is a concern due to drought conditions, the contractor or builder shall consider the use of an SLOAPCD-approved dust suppressant where feasible to reduce the amount of water used for dust control. For a list of suppressants, see Section 4.3 of the CEQA Air Quality Handbook.
- c. All dirt stockpile areas should be sprayed daily as needed.
- d. Permanent dust control measures identified in the approved project revegetation and landscape plans should be implemented as soon as possible following completion of any soil disturbing activities;
- e. Exposed ground areas that are planned to be reworked at dates greater than one month after initial grading should be sown with a fast germinating, non-invasive grass seed and watered until vegetation is established.
- f. All disturbed soil areas not subject to revegetation should be stabilized using approved chemical soil binders, jute netting, or other methods approved in advance by the SLOAPCD.
- g. All roadways, driveways, sidewalks, etc. to be paved should be completed as soon as possible. In addition, building pads should be laid as soon as possible after grading unless seeding or soil binders are used.

- h. Vehicle speed for all construction vehicles shall not exceed 15 mph on any unpaved surface at the construction site.
- i. All trucks hauling dirt, sand, soil, or other loose materials are to be covered or should maintain at least two feet of freeboard (minimum vertical distance between the top of load and top of trailer) in accordance with CVC Section 23114.
- j. Install wheel washers at the construction site entrance/exit, wash off the tires or tracks of all trucks and equipment leaving the site, or implement other SLOAPCD-approved track-out prevention devices sufficient to minimize the track-out of soil onto paved roadways.
- k. Sweep streets at the end of each day if visible soil material is carried onto adjacent paved roads. Water sweepers with reclaimed water should be used where feasible.
- l. The burning of vegetative material shall be prohibited. Effective February 25, 2000, the SLOAPCD prohibited developmental burning of vegetative material within San Luis Obispo County. If you have any questions regarding these requirements, contact the SLOAPCD Engineering & Compliance Division at (805) 781-5912.
- m. The contractor or builder shall designate a person or persons to monitor the fugitive dust emissions and enhance the implementation of the measures as necessary to minimize dust complaints, reduce visible emissions below 20% opacity, and to prevent the transport of dust off-site. Their duties shall include holidays and weekend periods when work may not be in progress. The name and telephone number of such persons shall be provided to the SLOAPCD Compliance Division prior to the start of any grading or earthwork.

Significance After Mitigation

Implementation of Mitigation Measures AQ-1 and AQ-2 include SLOAPCD-recommended standard mitigation measures and best-available control technology for construction-generated emissions of fugitive dust, as well as mobile-source emissions associated with construction equipment and vehicles. Depending on the availability of Tier 4 off-road equipment, on-site emissions could be reduced by up to approximately 50 percent for ROG, 80 percent for NO_x, and 90 percent for DPM, in comparison to off-road equipment meeting Tier 3 emission standards. Implementation of dust control measures would reduce fugitive dust emissions by approximately 50 percent, or more. Additional measures have also been included to reduce evaporative emissions from architectural coating, including the use of low VOC-content paint and prefinished construction materials. Together these measures would assist with the compliance of SLOAPCD's 20-percent opacity limit (SLOAPCD Rule 401), nuisance rule (SLOAPCD Rule 402), and minimize potential nuisance impacts to nearby receptors. Mitigated emissions would be reduced and would not exceed SLOAPCD's daily or quarterly Tier 2 significance thresholds. For project's exceeding Tier 1 significance thresholds, the SLOAPCD considers implementation of standard mitigation measures and best-available control technology to be sufficient to reduce short-term air quality impacts to a less-than-significant level. With mitigation, this impact would be considered **less than significant**.

Table 11. Summary of Construction Emissions With Mitigation

Criteria	Project Emissions	SLOAPCD Significance Threshold		Exceeds Significance Threshold?	
		Tier 1	Tier 2	Tier 1	Tier 2
Maximum Daily Emissions of ROG+NO _x	121.33 lbs/day	137 lbs/day		No	
Maximum Daily Emissions of DPM	3.11 lbs/day	7 lbs/day		No	
Maximum Quarterly Emissions of ROG+NO _x	3.02 tons/qtr.	2.5 tons/qtr.	6.3 tons/qtr.	Yes	No
Maximum Quarterly Emissions of DPM	0.09 tons/qtr.	0.13 tons/qtr.	0.32 tons/qtr.	No	No
Maximum Quarterly Emissions of Fugitive PM	0.88 tons/qtr.	2.5 tons/qtr.	None	No	No
<i>Includes the use of Tier 3 off-road equipment, implementation of fugitive dust control measures, and low-VOC content paint. Refer to Table 12 for mitigated quarterly emissions. Refer to Appendix C for modeling assumptions and results.</i>					

Table 12. Quarterly Construction Emissions With Mitigation

Quarter	Maximum Quarterly Emissions (tons) ¹			
	ROG+NO _x ²	PM ₁₀		
		Fugitive	Exhaust ³	Total
Year 2023 - Quarter 1	1.05	0.18	0.05	0.23
Year 2023 - Quarter 2	1.08	0.25	0.05	0.30
Year 2023 - Quarter 3	1.00	0.12	0.04	0.16
Year 2023 - Quarter 4	0.98	0.12	0.04	0.16
Year 2024 - Quarter 1	2.28	0.78	0.06	0.84
Year 2024 - Quarter 2	2.52	0.88	0.06	0.95
Year 2024 - Quarter 3	2.52	0.88	0.06	0.95
Year 2024 - Quarter 4	2.56	0.86	0.06	0.93
Year 2025 - Quarter 1	2.52	0.86	0.06	0.93
Year 2025 - Quarter 2	2.48	0.88	0.04	0.95
Year 2025 - Quarter 3	2.48	0.88	0.06	0.95
Year 2025 - Quarter 4	2.48	0.86	0.06	0.93
Year 2026 - Quarter 1	2.51	0.87	0.09	0.97
Year 2026 - Quarter 2	2.92	0.88	0.09	0.98
Year 2026 - Quarter 3	2.92	0.88	0.09	0.98
Year 2026 - Quarter 4	3.02	0.87	0.09	0.96
Year 2027 - Quarter 1	2.42	0.86	0.06	0.93
Year 2027 - Quarter 2	2.40	0.88	0.06	0.95
Year 2027 - Quarter 3	2.40	0.88	0.06	0.95
Year 2027 - Quarter 4	2.42	0.86	0.06	0.93
Year 2028 - Quarter 1	2.39	0.86	0.06	0.93
Year 2028 - Quarter 2	2.36	0.88	0.06	0.95
Year 2028 - Quarter 3	2.36	0.88	0.05	0.95
Year 2028 - Quarter 4	2.39	0.86	0.06	0.93
Year 2029 - Quarter 1	2.35	0.86	0.06	0.93
Year 2029 - Quarter 2	2.33	0.88	0.06	0.95
Year 2029 - Quarter 3	2.33	0.88	0.06	0.95
Year 2029 - Quarter 4	2.29	0.85	0.06	0.91
Year 2030 - Quarter 1	1.96	0.80	0.04	0.85
Year 2030 - Quarter 2	2.04	0.82	0.05	0.87
Year 2030 - Quarter 3	2.04	0.82	0.05	0.87
Year 2030 - Quarter 4	1.96	0.80	0.04	0.85
SLOAPCD Quarterly Tier 1/Tier 2 Thresholds (tons/quarter)	2.5/6.3	2.5/None	0.13/0.32	None
Maximum Quarterly Emissions:	3.02	0.88	0.09	0.98
Exceed SLOAPCD Tier 1/Tier 2 Thresholds?	Yes/No	No/NA	No/No	NA

Maximum Quarterly Emissions: Based on construction schedule information provided and default assumptions contained in the CalEEMod computer model. On-site exhaust PM₁₀ emissions were compared to SLOAPCD's DPM threshold. Totals may not sum due to rounding. Refer to Appendix C for modeling assumptions and results.

1. Maximum quarterly emissions include on-site and off-site emissions.

2. Includes use of Tier 3 off-road equipment, fugitive dust control measures, and use of low VOC paints (50g/L, or less) . 3. Reflects PM₁₀ exhaust for diesel-fueled equipment for comparison to SLOAPCD's DPM thresholds

Long-term Operational Emissions

Long-term operational emissions associated with the proposed project would be predominantly associated with mobile sources. To a lesser extent, emissions associated with area sources, such as landscape maintenance activities, as well as, use of electricity and natural gas would also contribute to increased operational emissions.

Unmitigated operational emissions associated with the proposed project are summarized in Table 13. As shown, maximum daily operational emissions of ROG+NO_x would total approximately 182.1 lbs/day and 115.8 lbs/day of fugitive PM₁₀. Daily emissions of ROG+NO_x and fugitive PM₁₀ would exceed SLOAPCD's corresponding significance thresholds. Annual emissions of ROG+NO_x would total approximately 32.6 tons/year and fugitive PM₁₀ would total approximately 17.6 tons/year. Emissions would be predominantly associated with the operation of motor vehicles. Estimated annual operational emissions would exceed SLOAPCD's recommended significance thresholds. As a result, this impact would be considered **potentially significant**.

Table 13. Operational Emissions Without Mitigation

Operational Period/Source	Emissions ¹						
	ROG	NO _x	ROG+NO _x	CO	PM ₁₀		
					Fugitive	Exhaust	Total
Daily Emissions (lbs/day)							
Area Source	57.7	1.4	59.1	118.8	0	0.7	0.7
Energy Use	1.0	8.5	9.5	4.2	0	0.7	0.7
Mobile ²	52.7	60.7	113.5	462.9	115.8	0.7	116.6
Total Project Emissions	111.4	70.7	182.1	586.0	115.8	2.1	117.9
SLOAPCD Significance Thresholds	--	--	25	550	25	1.25	--
Exceeds SLOAPCD Thresholds?	--	--	Yes	Yes	Yes	Yes	--
Annual Emissions (tons/year)							
Total Project Emissions	21.5	11.2	32.6	90.2	17.6	0.3	17.9
SLOAPCD Significance Thresholds	--	--	25	--	25	--	--
Exceeds SLOAPCD Thresholds?	--	--	Yes	--	No	--	--
<i>Note: Based on operational year of 2030 for Hotel, Commercial & Educational, and Residential. Totals may not sum due to rounding. Refer to Appendix C for modeling output files and assumptions.</i>							
<i>1. Daily emissions are based on the highest emissions for summer or winter operational conditions for buildout conditions. Totals may not sum due to rounding. Refer to Appendix C for modeling output files and assumptions.</i>							
<i>2. Mobile emissions were based on CalEEMod a default fleet mix.</i>							

Mitigation Measures

AQ-3: The following mitigation measures shall be implemented, to the extent possible, to minimize long-term operational emissions:

- a. Install electric fireplace in place of US EPA-certified Tier 2 residential wood burning appliances.
- b. Provide a pedestrian-friendly and interconnected streetscape with good access to/from the development for pedestrians, bicyclists, and transit users to make alternative transportation more convenient, comfortable and safe. Features may include: appropriate signalization and signage; safe routes to school; linking cul-de-sacs and dead ends; orienting buildings toward streets with automobile parking in the rear, etc.
- c. For all commercial and multi-family residential land uses, provide shade (e.g. through tree planting or built structures) over 50 percent of parking spaces to reduce evaporative emissions from parked vehicles, excluding areas where increased shade would affect the performance of solar PV systems.
- d. Reduce fugitive dust from roads and parking areas with the use of paving or other materials.
- e. Implement driveway design standards (e.g., speed bumps, curved driveway) for self-enforcement of reduced speed limits on unpaved driveways.

- f. Use an SLOAPCD-approved suppressant on private unpaved roads leading to the site, unpaved driveways and parking areas applied at a rate and frequency that ensures compliance with SLOAPCD Rule 401: Visible Emissions, and ensures off-site nuisance impacts do not occur.
- g. Incorporate traffic calming modifications to project roads to reduce vehicle speeds and increase pedestrian and bicycle usage and safety.
- h. Work with SLOCOG to create, improve, or expand an onsite or nearby 'Park and Ride' lot with car parking and bike lockers in proportion to the size of the project. The Park and Ride lot proposed as part of the Dana Reserve Specific Plan could meet the requirements of this measure, if upon review of final design plans, the County and SLOCOG concur that the onsite lot is in proportion to the size of the Dana Reserve Specific Plan project.
- i. Implement on-site circulation design elements in parking lots to reduce vehicle queuing and improve the pedestrian environment.
- j. Provide future commercial land uses to provide employee lockers and showers to promote bicycle and pedestrian use. One shower and 5 lockers for every 25 employees is recommended.
- k. Increase bicycle accessibility and safety in the vicinity of the project; for example: provide interconnected bicycle routes/lanes or construction of bikeways.
- l. Provide on-site bicycle parking: both short term racks and long term lockers, or a locked room with standard racks and access limited to bicyclists only.
- m. If the project is located on an established transit route, provide improved public transit amenities (e.g.: covered transit turnouts, direct pedestrian access, bicycle racks, covered bench, smart signage, route information displays, lighting, etc.).
- n. Encourage commercial land uses to provide a bicycle-share program.
- o. Require 15 percent of fleet vehicles owned by commercial land uses to be zero-emission vehicles. This requirement shall apply to commercial land uses and fleets based onsite within the Specific Plan area and not on a larger scale for commercial operations that occur at multiple locations.
- p. Encourage neighborhood electric vehicles/car-share program for the development.
- q. Provide dedicated parking for carpools, vanpools, and/or high-efficiency vehicles to exceed Cal Green Tier 2 for non-residential land uses.
- r. Work with SLO Regional Rideshare to educate occupants with alternative transportation and smart commute information (e.g., transportation board, electronic kiosk, new hire packets, web portal, newsletters, social media, etc.).
- s. Encourage non-residential land uses to implement and promote programs to reduce employee vehicle miles traveled (e.g. incentives, SLO Regional Rideshare trip reduction program, vanpools, on-site employee housing, alternative schedules (e.g. 9–80s, 4–10s, telecommuting, satellite work sites, etc.).
- t. At community event centers (i.e., amphitheaters, theaters, and stadiums), shall provide free valet bicycle parking.
- u. Exceed applicable building standards at the time of development for providing electric vehicle charging infrastructure.
- v. Exceed applicable building standards at the time of development for building energy efficiency with a goal of achieving zero net energy (ZNE) buildings.
- w. Implement a "No Idling" vehicle program which includes signage enforcement, etc.
- x. Exceed applicable building standards at the time of development for utilizing recycled content materials.
- y. Exceed applicable building standards at the time of development for reducing cement use in the concrete mix as allowed by local ordinance and conditions.
- z. Exceed applicable building standards at the time of development for the use of greywater, rainwater, or recycled water.
- aa. Exceed applicable building standards at the time of development for water conservation (e.g., use of low-flow fixtures, water-efficient irrigation systems, drought-tolerant landscaping).
- bb. Exceed applicable building standards at the time of development for using shading, trees, plants, cool roofs, etc. to reduce the "heat island" effect.
- cc. All built-in appliances shall comply with California Title 20, Appliance Efficiency Regulation.
- dd. Utilize on-site renewable energy systems (e.g. solar, wind, geothermal, biomass and/or biogas) sufficient to exceed applicable building standards at the time of development with a goal of achieving zero net energy (ZNE) buildings.
- ee. Design roof trusses to handle dead weight loads of standard solar-heated water and photovoltaic panels.

Significance After Mitigation

Implementation of Mitigation Measure AQ-3 includes SLOAPCD-recommended mitigation measures. Additional mitigation measures have also been included to further reduce operational emissions. The project also incorporates CAPCOA-recommended VMT reductions strategies within its site design. However, the effectiveness of the design features in reducing VMT and emissions from mobile sources is uncertain (CCTC 2021). Mitigated operational emissions associated with the proposed project are summarized in Table 14. With implementation of Mitigation Measures AQ-3, operational annual emissions of ROG+NO_x would not be reduced to below SLOAPCD's significance threshold and daily emissions would still exceed SLOAPCD's significance threshold. Therefore, this impact would be considered **significant and unavoidable**.

Table 14. Operational Emissions With Mitigation

Operational Period/Source	Emissions						
	ROG	NO _x	ROG+NO _x	CO	PM ₁₀		
					Fugitive	Exhaust	Total
Daily Emissions (lbs/day)							
Total Project Emissions	105.2	53.3	158.5	510.0	91.5	1.4	92.7
SLOAPCD Significance Thresholds	--	--	25	550	25	1.25	--
Exceeds SLOAPCD Thresholds?	--	--	Yes	No	Yes	Yes	--
Annual Emissions (tons/year)							
Total Project Emissions	17.5	8.3	25.8	78.8	14.0	0.2	14.2
SLOAPCD Significance Thresholds	--	--	25	--	25	--	--
Exceeds SLOAPCD Thresholds?	--	--	Yes	--	No	--	--
<i>Note: Based on operational year of 2030 for Hotel, Commercial & Educational, and Residential. Totals may not sum due to rounding. Refer to Appendix C for modeling output files and assumptions.</i>							

Impact AQ-C. Expose sensitive receptors to substantial pollutant concentrations?

The proposed project would result in localized increases of pollutant concentrations during project construction and long-term operation. The proposed project's potential contribution to localized air pollutants is discussed, as follows:

Short-Term Construction Activities

Naturally-Occurring Asbestos

Naturally-occurring asbestos (NOA) has been identified as a toxic air contaminant by the ARB. NOA has not been identified on the project site. In accordance with ARB Air Toxics Control Measure (ATCM), prior to any grading activities, a geologic evaluation should be conducted to determine if NOA is present within the area that will be disturbed. If NOA is not present, an exemption request form, along with a copy of the geologic report, must be filed with the SLOAPCD. If NOA is found at the site, the applicant must comply with all requirements outlined in the Asbestos ATCM.

Based on a review of the SLOAPCD's map depicting potential areas of NOA, the project site is located in the vicinity of areas that have a potential for NOA (refer to Appendix B). As a result, there is a potential for NOA to be discovered during the grading process. As a result, this impact would be considered **potentially significant**.

Localized Construction PM Concentrations

Fugitive dust emissions would be primarily associated with site preparation, grading, and vehicle travel on unpaved and paved surfaces. On-site off-road equipment and trucks would also result in short-term emissions of diesel-exhaust PM, which could contribute to elevated localized concentration at nearby receptors. Uncontrolled emissions of fugitive dust may also contribute to potential increases in nuisance impacts to

nearby receptors. For these reasons, localized uncontrolled concentrations of construction-generated PM would be considered to have a **potentially significant impact**.

Long-term Operations

Localized Operational DPM Concentrations

Implementation of the proposed project is not anticipated to result in significant increases in localized DPM concentrations associated with on-site operational activities. However, some planned land uses may include the installation of stationary sources of emissions, such as diesel-fueled backup power generators, which may be subject to SLOAPCD permitting requirements. In addition, the project site is located adjacent to U.S. Highway 101. Heavy-duty diesel trucks traveling along U.S. Highway 101 may result in localized DPM concentrations that could adversely impact on-site sensitive land uses.

In 2005, ARB release an *Air Quality and Land Use Handbook* that recommended not siting sensitive land uses within 500 feet of major freeways. DPM concentrations are typically strongest within 300 feet of the freeway and decrease by roughly 70 percent at 500 feet. In some cases, measures can be implemented to help reduce potential impacts to DPM originating from major roadways, such as the installation of vegetative barriers. Other measures also include the installation of indoor high-efficiency (HE) filtration systems to reduce indoor concentrations. However, the effectiveness of these measures at reducing DPM concentrations can vary widely depending on multiple factors. For instance, the effectiveness of vegetative barriers is dependent, in part, on the density, height, and type of vegetation, as well as the life expectancy of the vegetation. The effectiveness of HE filtration systems also varies widely depending on the type of system installed. HE filtration systems are most effective during periods when the units are operating and with windows closed.

As currently proposed, a majority of the planned future residential development would be located in excess of 500 feet from U.S. Highway 101. The planned future childcare center would also be located in excess of 500 feet of U.S. Highway 101. However, a small portion of planned multi-family residential located within the southeastern portion of the project site could be located within 500 feet of U.S. Highway 101. As a result, there is a potential for multi-family and cluster residential dwellings to be located within 500 feet of U.S. Highway 101. Depending on the land uses ultimately developed, other sensitive land uses, such as childcare centers, could also be located within planned future commercial areas. As a result, this impact would be considered **potentially significant**.

Localized Operational CO Concentrations

Localized concentrations of CO are of primary concern in areas located near congested roadway intersections. Of particular concern are signalized intersections that are projected to operate at unacceptable levels of service (LOS) E or F. With implementation of the proposed project, the signalized intersections at W Tefft Street/U.S. Highway 101 South Bound Ramps would continue to operate at LOS F (CCTC 2021). However, planned widening projects and an additional interchange are in progress to bring the intersection to an acceptable LOS (CCTC 2021). As a result, implementation of the proposed project would not be anticipated to result in or contribute to localized CO concentrations that would exceed applicable ambient air quality standards. This impact is considered **less than significant**.

Figure 2. 500-Foot Setback from U.S. Highway 101



Not to scale.

Mitigation Measures

AQ-4: Prior to any grading activities, a geologic evaluation shall be conducted to determine if naturally occurring asbestos (NOA) is present within the area that will be disturbed. If NOA is not present, an exemption request must be filed with the SLOAPCD. If NOA is found at the site, the applicant must comply with all requirements outlined in the Asbestos ATCM. These requirements may include but are not limited to:

- a. Development of an Asbestos Dust Mitigation Plan which must be approved by the SLOAPCD before operations begin, and,
- b. Development and approval of an Asbestos Health and Safety Program (required for some projects).

AQ-5: The following mitigation measures shall be implemented to reduce long-term exposure to localized pollutant concentrations:

- a. Sensitive land uses including, but not limited to, residential dwellings, childcare facilities, and convalescent care facilities, shall be oriented as far from U.S. Highway 101 as possible and shall not be located within 500 feet of the edge of pavement of U.S. Highway 101 (refer to Figure 2 of this report). In the event future development proposals include sensitive land uses within the 500-foot buffer from U.S. Highway 101, those sensitive land uses shall be disallowed unless a detailed Health Risk Assessment, approved by the County and the San Luis Obispo Air Pollution Control District, documents that health risks associated with proximity to U.S. Highway 101 would be within acceptable thresholds in effect at the time development is proposed.

Significance After Mitigation

Mitigation Measures AQ-4 would ensure compliance with applicable regulatory requirements pertaining to exposure to naturally-occurring asbestos. Implementation of Mitigation Measures AQ-5 would prohibit development of sensitive land uses within 500 feet of U.S. Highway 101 in accordance with ARB-recommended guidance. Furthermore, implementation of Mitigation Measure AQ-1 and AQ-2 also include numerous measures that would substantially reduce localized emissions of PM emitted during project construction. With mitigation, this impact would be considered **less than significant**.

Impact AQ-D. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

The occurrence and severity of odor impacts depend on numerous factors, including the nature, frequency, and intensity of the source; wind speed and direction; and the sensitivity of the receptors. While offensive odors rarely cause any physical harm, they still can be very unpleasant, leading to considerable distress among the public and often generating citizen complaints to local governments and regulatory agencies. Projects with the potential to frequently expose members of the public to objectionable odors would be deemed to have a significant impact.

The proposed project would not result in the installation of any equipment or processes that would be considered major odor-emission sources. In addition, no known odor sources are within one mile of the project site. However, construction of the proposed project would involve the use of a variety of gasoline or diesel-powered equipment that would emit exhaust fumes. Exhaust fumes, particularly diesel-exhaust, may be considered objectionable by some people. In addition, pavement coatings and architectural coatings used during project construction would also emit temporary odors. However, construction-generated emissions would occur intermittently throughout the workday and would dissipate rapidly with increasing distance from the source. Mitigation measures, such as implementation of idling restrictions for construction equipment and vehicles and use of newer, cleaner equipment and vehicles would further reduce construction-generated emissions. For these reasons, short-term construction activities would not expose a substantial number of people to frequent odorous emissions. For these reasons, potential exposure of sensitive receptors to odorous emissions would be considered **less than significant**.

GREENHOUSE GASES AND CLIMATE CHANGE

Existing Setting

To fully understand global climate change, it is important to recognize the naturally occurring “greenhouse effect” and to define the greenhouse gases (GHGs) that contribute to this phenomenon. Various gases in the earth’s atmosphere, classified as atmospheric GHGs, play a critical role in determining the earth’s surface temperature. Solar radiation enters the earth’s atmosphere from space and a portion of the radiation is absorbed by the earth’s surface. The earth emits this radiation back toward space, but the properties of the radiation change from high-frequency solar radiation to lower-frequency infrared radiation. Greenhouse gases, which are transparent to solar radiation, are effective in absorbing infrared radiation. As a result, this radiation that otherwise would have escaped back into space is now retained, resulting in a warming of the atmosphere. This phenomenon is known as the greenhouse effect. Among the prominent GHGs contributing to the greenhouse effect are carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride. Primary GHGs attributed to global climate change, are discussed, as follows:

- **Carbon Dioxide.** Carbon dioxide (CO₂) is a colorless, odorless gas. CO₂ is emitted in a number of ways, both naturally and through human activities. The largest source of CO₂ emissions globally is the combustion of fossil fuels such as coal, oil, and gas in power plants, automobiles, industrial facilities, and other sources. A number of specialized industrial production processes and product uses such as mineral production, metal production, and the use of petroleum-based products can also lead to CO₂ emissions. The atmospheric lifetime of CO₂ is variable because it is so readily exchanged in the atmosphere (U.S. EPA 2018).
- **Methane.** Methane (CH₄) is a colorless, odorless gas that is not flammable under most circumstances. CH₄ is the major component of natural gas, about 87percent by volume. It is also formed and released to the atmosphere by biological processes occurring in anaerobic environments. Methane is emitted from a variety of both human-related and natural sources. Human-related sources include fossil fuel production, animal husbandry (enteric fermentation in livestock and manure management), rice cultivation, biomass burning, and waste management. These activities release significant quantities of methane to the atmosphere. Natural sources of methane include wetlands, gas hydrates, permafrost, termites, oceans, freshwater bodies, non-wetland soils, and other sources such as wildfires. Methane’s atmospheric lifetime is about 12 years (U.S. EPA 2018).
- **Nitrous Oxide.** Nitrous oxide (N₂O) is a clear, colorless gas with a slightly sweet odor. N₂O is produced by both natural and human-related sources. Primary human-related sources of N₂O are agricultural soil management, animal manure management, sewage treatment, mobile and stationary combustion of fossil fuels, adipic acid production, and nitric acid production. N₂O is also produced naturally from a wide variety of biological sources in soil and water, particularly microbial action in wet tropical forests. The atmospheric lifetime of N₂O is approximately 120 years (U.S. EPA 2018).
- **Hydrofluorocarbons.** Hydrofluorocarbons (HFCs) are man-made chemicals, many of which have been developed as alternatives to ozone-depleting substances for industrial, commercial, and consumer products. The only significant emissions of HFCs before 1990 were of the chemical HFC-23, which is generated as a byproduct of the production of HCFC-22 (or Freon 22, used in air conditioning applications). The atmospheric lifetime for HFCs varies from just over a year for HFC-152a to 270 years for HFC-23. Most of the commercially used HFCs have atmospheric lifetimes of less than 15 years (e.g., HFC-134a, which is used in automobile air conditioning and refrigeration, has an atmospheric life of 14 years) (U.S. EPA 2018).
- **Perfluorocarbons.** Perfluorocarbons (PFCs) are colorless, highly dense, chemically inert, and non-toxic. There are seven PFC gases: perfluoromethane (CF₄), perfluoroethane (C₂F₆), perfluoropropane (C₃F₈), perfluorobutane (C₄F₁₀), perfluorocyclobutane (C₄F₈), perfluoropentane (C₅F₁₂), and perfluorohexane (C₆F₁₄). Natural geological emissions have been responsible for the PFCs that have accumulated in the atmosphere in the past; however, the largest current source is aluminum production, which

releases CF₄ and C₂F₆ as byproducts. The estimated atmospheric lifetimes for PFCs ranges from 2,600 to 50,000 years (U.S. EPA 2018).

- **Nitrogen Trifluoride.** Nitrogen trifluoride (NF₃) is an inorganic, colorless, odorless, toxic, nonflammable gas used as an etchant in microelectronics. Nitrogen trifluoride is predominantly employed in the cleaning of the plasma-enhanced chemical vapor deposition chambers in the production of liquid crystal displays and silicon-based thin-film solar cells. It has a global warming potential of 16,100 carbon dioxide equivalents (CO₂e). While NF₃ may have a lower global warming potential than other chemical etchants, it is still a potent GHG. In 2009, NF₃ was listed by California as a high global warming potential GHG to be listed and regulated under Assembly Bill (AB) 32 (Section 38505 Health and Safety Code).
- **Sulfur Hexafluoride.** Sulfur hexafluoride (SF₆) is an inorganic compound that is colorless, odorless, non-toxic, and generally non-flammable. SF₆ is primarily used as an electrical insulator in high voltage equipment. The electric power industry uses roughly 80 percent of all SF₆ produced worldwide. Leaks of SF₆ occur from aging equipment and during equipment maintenance and servicing. SF₆ has an atmospheric life of 3,200 years (U.S. EPA 2018).
- **Black Carbon.** Black carbon is the strongest light-absorbing component of particulate matter (PM) emitted from burning fuels such as coal, diesel, and biomass. Black carbon contributes to climate change both directly by absorbing sunlight and indirectly by depositing on snow and by interacting with clouds and affecting cloud formation. Black carbon is considered a short-lived species, which can vary spatially and, consequently, it is very difficult to quantify associated global-warming potentials. The main sources of black carbon in California are wildfires, off-road vehicles (locomotives, marine vessels, tractors, excavators, dozers, etc.), on-road vehicles (cars, trucks, and buses), fireplaces, agricultural waste burning, and prescribed burning (planned burns of forest or wildlands) (CCAC 2018, U.S. EPA 2018).

Each GHG differs in its ability to absorb heat in the atmosphere based on the lifetime, or persistence, of the gas molecule in the atmosphere. Often, estimates of GHG emissions are presented in CO₂e, which weighs each gas by its global warming potential (GWP). Expressing GHG emissions in CO₂e takes the contribution of all GHG emissions to the greenhouse effect and converts them to a single unit equivalent to the effect that would occur if only CO₂ were being emitted. Table 15 provides a summary of the GWP for GHG emissions of typical concern with regard to community development projects, based on a 100-year time horizon. As indicated, Methane traps over 25 times more heat per molecule than CO₂, and N₂O absorbs roughly 298 times more heat per molecule than CO₂. Additional GHG with high GWP includes Nitrogen trifluoride, Sulfur hexafluoride, Perfluorocarbons, and black carbon.

Table 15. Global Warming Potential for GHGs

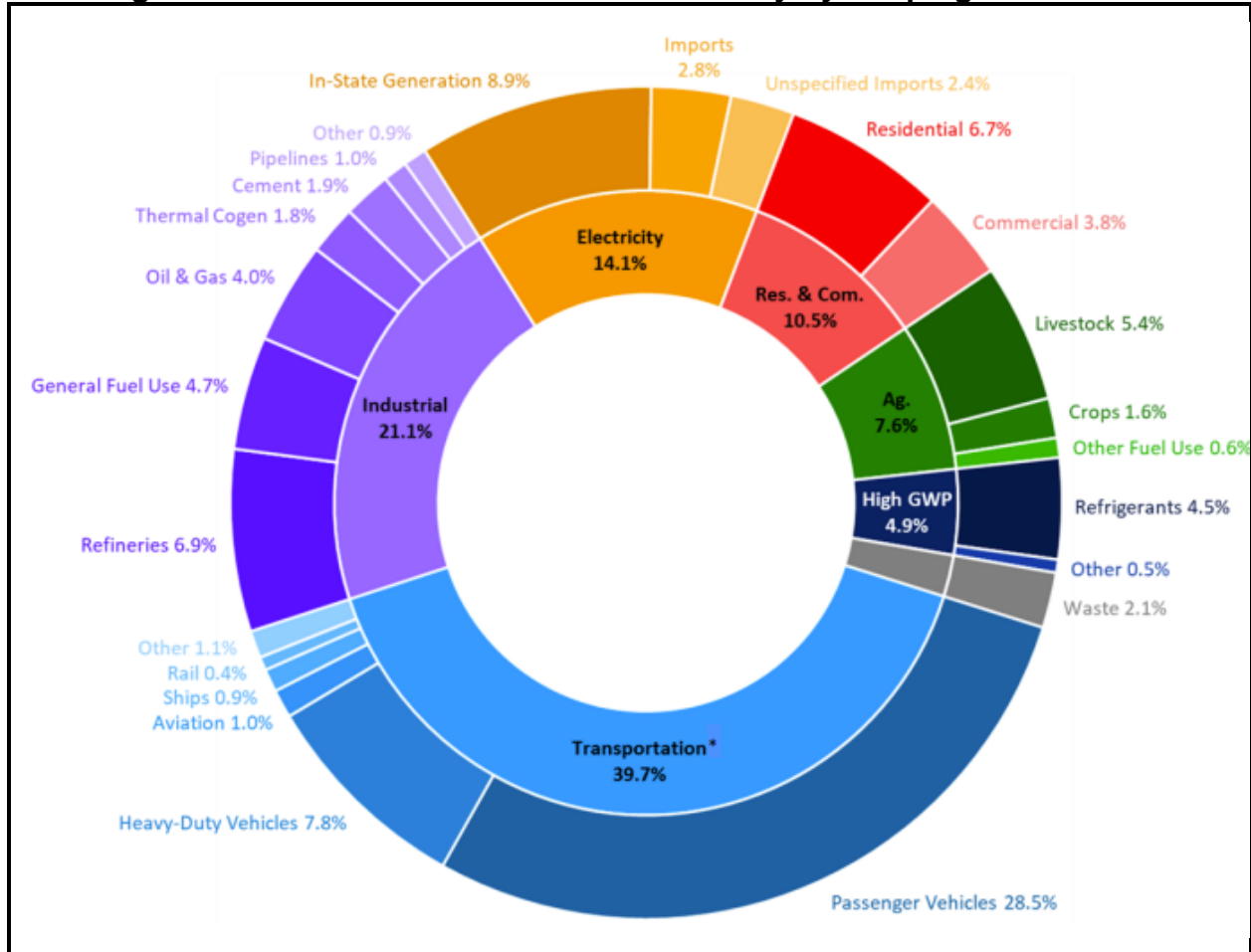
Greenhouse Gas	Global Warming Potential (100-year)
Carbon Dioxide (CO ₂)	1
Methane (CH ₄)	25
Nitrous Dioxide (N ₂ O)	298
<i>*Based on IPCC GWP values for a 100-year time horizon Source: IPCC 2007</i>	

Sources of GHG Emissions

On a global scale, GHG emissions are predominantly associated with activities related to energy production; changes in land use, such as deforestation and land clearing; industrial sources; agricultural activities; transportation; waste and wastewater generation; and commercial and residential land uses. Worldwide, energy production including the burning of coal, natural gas, and oil for electricity and heat is the largest single source of global GHG emissions (U.S. EPA 2018).

In 2019, GHG emissions within California totaled 418.2 million metric tons (MMT) of CO₂e. GHG emissions, by sector, are summarized in Figure 3. Within California, the transportation sector is the largest contributor, accounting for approximately 40 percent of the total state-wide GHG emissions. Emissions associated with industrial uses are the second largest contributor, totaling roughly 21 percent. Electricity generation totaled roughly 14 percent (ARB 2021a).

Figure 3. California GHG Emissions Inventory by Scoping Plan Sector



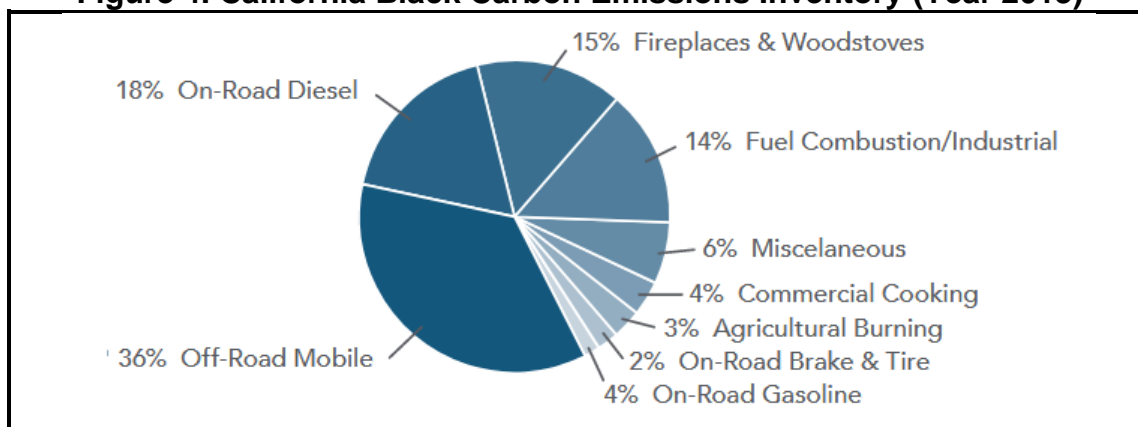
Source: ARB 2021a

Short-Lived Climate Pollutants

Short-lived climate pollutants (SLCPs), such as black carbon, fluorinated gases, and methane also have a dramatic effect on climate change. Though short-lived, these pollutants create a warming influence on the climate that is many times more potent than that of carbon dioxide.

As part of the ARB's efforts to address SLCPs, the ARB has developed a statewide emission inventory for black carbon. The black carbon inventory will help support the implementation of the SLCP Strategy, but it is not part of the State's GHG Inventory that tracks progress towards the State's climate targets. The most recent inventory for year 2013 conditions is depicted in Figure 4. As depicted, off-road mobile sources account for a majority of black carbon emissions totaling roughly 36 percent of the inventory. Other major anthropogenic sources of black carbon include on-road transportation, residential wood burning, fuel combustion, and industrial processes (ARB 2012).

Figure 4. California Black Carbon Emissions Inventory (Year 2013)



Source: ARB 2020

Effects of Global Climate Change

There are uncertainties as to exactly what the climate changes will be in various local areas of the earth. There are also uncertainties associated with the magnitude and timing of other consequences of a warmer planet: sea-level rise, spread of certain diseases out of their usual geographic range, the effect on agricultural production, water supply, sustainability of ecosystems, increased strength and frequency of storms, extreme heat events, increased air pollution episodes, and the consequence of these effects on the economy.

Within California, climate changes would likely alter the ecological characteristics of many ecosystems throughout the state. Such alterations would likely include increases in surface temperatures and changes in the form, timing, and intensity of the precipitation. For instance, historical records are depicting an increasing trend toward earlier snowmelt in the Sierra Nevada. This snowpack is a principal supply of water for the state, providing roughly 50 percent of the state's annual runoff. If this trend continues, some areas of the state may experience an increased danger of floods during the winter months and possible exhaustion of the snowpack during spring and summer months. Earlier snowmelt would also impact the State's energy resources. Currently, approximately 20 percent of California's electricity comes from hydropower. Early exhaustion of the Sierra snowpack may force electricity producers to switch to more costly or non-renewable forms of electricity generation during spring and summer months. A changing climate may also impact agricultural crop yields, coastal structures, and biodiversity. As a result, resultant changes in climate will likely have detrimental effects on some of California's largest industries, including agriculture, wine, tourism, skiing, recreational and commercial fishing, and forestry.

Regulatory Framework

Federal

EXECUTIVE ORDER 13514

Executive Order 13514 is focused on reducing GHGs internally in federal agency missions, programs, and operations. In addition, the executive order directs federal agencies to participate in the Interagency Climate Change Adaptation Task Force, which is engaged in developing a national strategy for adaptation to climate change.

On April 2, 2007, in *Massachusetts v. U.S. EPA*, 549 U.S. 497 (2007), the Supreme Court found that GHGs are air pollutants covered by the FCAA and that the U.S. EPA has the authority to regulate GHG. The Court held that the U.S. EPA Administrator must determine whether or not emissions of GHGs from new motor vehicles cause or contribute to air pollution which may reasonably be anticipated to endanger public health or welfare, or whether the science is too uncertain to make a reasoned decision.

On December 7, 2009, the U.S. EPA Administrator signed two distinct findings regarding GHGs under section 202(a) of the Clean Air Act:

- Endangerment Finding: The Administrator found that the current and projected concentrations of the six key well-mixed GHGs (CO₂, CH₄, N₂O, HFCs, PFCs, and SF₆) in the atmosphere threaten the public health and welfare of current and future generations.
- Cause or Contribute Finding: The Administrator found that the combined emissions of these well-mixed GHGs from new motor vehicles and new motor vehicle engines contribute to the GHG pollution which threatens public health and welfare.

Although these findings did not themselves impose any requirements on industry or other entities, this action was a prerequisite to finalizing the U.S. EPA's Proposed Greenhouse Gas Emission Standards for Light-Duty Vehicles, which was published on September 15, 2009. On May 7, 2010, the final Light-Duty Vehicle Greenhouse Gas Emissions Standards and Corporate Average Fuel Economy Standards was published in the Federal Register.

The U.S. EPA and the National Highway Traffic Safety Administration (NHTSA) are taking coordinated steps to enable the production of a new generation of clean vehicles with reduced GHG emissions and improved fuel efficiency from on-road vehicles and engines. These next steps include developing the first-ever GHG regulations for heavy-duty engines and vehicles, as well as additional light-duty vehicle GHG regulations. These steps were outlined by President Obama in a Presidential Memorandum on May 21, 2010.

The final combined U.S. EPA and NHTSA standards that make up the first phase of this national program apply to passenger cars, light-duty trucks, and medium-duty passenger vehicles, covering model years 2012 through 2016. The standards require these vehicles to meet an estimated combined average emissions level of 250 grams of CO₂ per mile (the equivalent to 35.5 miles per gallon if the automobile industry were to meet this CO₂ level solely through fuel economy improvements). Together, these standards will cut GHG emissions by an estimated 960 MMT and 1.8 billion barrels of oil over the lifetime of the vehicles sold under the program (model years 2012-2016). On August 28, 2012, U.S. EPA and NHTSA issued their joint rule to extend this national program of coordinated GHG and fuel economy standards to model years 2017 through 2025 passenger vehicles.

State

ASSEMBLY BILL 1493

AB 1493 (Pavley) of 2002 (Health and Safety Code Sections 42823 and 43018.5) requires the ARB to develop and adopt the nation's first GHG emission standards for automobiles. These standards are also known as Pavley I. The California Legislature declared in AB 1493 that global warming is a matter of increasing concern for public health and the environment. It cites several risks that California faces from climate change, including a reduction in the state's water supply; an increase in air pollution caused by higher temperatures; harm to agriculture; an increase in wildfires; damage to the coastline; and economic losses caused by higher food, water, energy, and insurance prices. The bill also states that technological solutions to reduce GHG emissions would stimulate California's economy and provide jobs. In 2004, the State of California submitted a request for a waiver from federal clean air regulations, as the State is authorized to do under the FCAA, to allow the State to require reduced tailpipe emissions of CO₂. In late 2007, the U.S. EPA denied California's waiver request and declined to promulgate adequate federal regulations limiting GHG emissions. In early 2008, the State brought suit against the U.S. EPA related to this denial.

In January 2009, President Obama instructed the U.S. EPA to reconsider the Bush Administration's denial of California's and 13 other states' requests to implement global warming pollution standards for cars and trucks. In June 2009, the U.S. EPA granted California's waiver request, enabling the State to enforce its GHG emissions standards for new motor vehicles beginning with the current model year.

In 2009, President Obama announced a national policy aimed at both increasing fuel economy and reducing GHG pollution for all new cars and trucks sold in the US. The new standards would cover model years 2012 to 2016 and would raise passenger vehicle fuel economy to a fleet average of 35.5 miles per gallon by 2016. When the national program takes effect, California has committed to allowing automakers who show compliance with the national program to also be deemed in compliance with state requirements.

California is committed to further strengthening these standards beginning in 2017 to obtain a 45 percent GHG reduction from the 2020 model year vehicles.

EXECUTIVE ORDER NO. S-3-05

Executive Order S-3-05 (State of California) proclaims that California is vulnerable to the impacts of climate change. It declares that increased temperatures could reduce the Sierra's snowpack, further exacerbate California's air quality problems, and potentially cause a rise in sea levels. To combat those concerns, the Executive Order established total GHG emission targets. Specifically, emissions are to be reduced to the 2000 level by 2010, to the 1990 level by 2020, and to 80 percent below the 1990 level by 2050.

The Executive Order directed the secretary of the California Environmental Protection Agency (CalEPA) to coordinate a multi-agency effort to reduce GHG emissions to the target levels. The secretary will also submit biannual reports to the governor and state legislature describing (1) progress made toward reaching the emission targets, (2) impacts of global warming on California's resources, and (3) mitigation and adaptation plans to combat these impacts. To comply with the Executive Order, the secretary of CalEPA created a Climate Action Team made up of members from various state agencies and commissions. The Climate Action Team released its first report in March 2006 and continues to release periodic reports on progress. The report proposed to achieve the targets by building on voluntary actions of California businesses, local government, and community actions, as well as through state incentive and regulatory programs.

EXECUTIVE ORDER NO. N-19-19

Executive Order N-19-19 (State of California) calls for actions from multiple state agencies to reduce greenhouse gas (GHG) emissions and mitigate the impacts of climate change. This includes a direct acknowledgment of the role the transportation sector must play in tackling climate change.

This executive order empowers the California State Transportation Agency (CalSTA) to leverage more than \$5 billion in discretionary state transportation funds to reduce GHG emissions in the transportation sector and adapt to climate change. Accordingly, CalSTA will work to align transportation spending with the state's Climate Change Scoping Plan where feasible; direct investments to strategically support smart growth to increase infill housing production; reduce congestion through strategies that encourage a reduction in driving and invest further in walking, biking, and transit; and ensure that overall transportation costs for low income Californians do not increase as a result of these policies.

EXECUTIVE ORDER NO. N-79-20

Executive Order N-79-20 (State of California) calls to accelerate the transition away from fossil fuels by requiring all new cars sold in California to be zero-emission by 2035, all new commercial trucks sold in the state to be zero-emission by 2045 for all operations where feasible, and all new off-road vehicles and equipment sold to be zero-emission by 2035 where feasible. EO N-79-20 reaffirms the state's commitment to implementing EO N-19-19.

Executive Order N-79-20 reiterates the message of EO N-19-19 by highlighting three strategies to expand clean transportation options from the Climate Action Plan for Transportation Infrastructure, while also emphasizing the importance of CAPTI and the urgency of climate change. Executive Order N-79-20 furthers the state's climate goals by explicitly pointing to the critical role of transit, passenger rail, active transportation, Complete Streets, and micro mobility as tools to expand mobility options, encourage mode shift, and reduce overall vehicle miles traveled (VMT).

ASSEMBLY BILL 32 - CALIFORNIA GLOBAL WARMING SOLUTIONS ACT OF 2006

AB 32 (Health and Safety Code Sections 38500, 38501, 28510, 38530, 38550, 38560, 38561–38565, 38570, 38571, 38574, 38580, 38590, 38592–38599) requires that statewide GHG emissions be reduced to 1990 levels by the year 2020. The gases that are regulated by AB 32 include CO₂, CH₄, N₂O, HFCs, PFCs, NF₃, and SF₆. The reduction to 1990 levels will be accomplished through an enforceable statewide cap on GHG emissions that will be phased in starting in 2012. To effectively implement the cap, AB 32 directs ARB to develop and implement regulations to reduce statewide GHG emissions from stationary sources. AB 32 specifies that regulations adopted in response to AB 1493 should be used to address GHG emissions from vehicles.

However, AB 32 also includes language stating that if the AB 1493 regulations cannot be implemented, then ARB should develop new regulations to control vehicle GHG emissions under the authorization of AB 32.

AB 32 requires that ARB adopt a quantified cap on GHG emissions representing 1990 emissions levels and disclose how it arrives at the cap, institute a schedule to meet the emissions cap, and develop tracking, reporting, and enforcement mechanisms to ensure that the state achieves reductions in GHG emissions necessary to meet the cap. AB 32 also includes guidance to institute emissions reductions in an economically efficient manner and conditions to ensure that businesses and consumers are not unfairly affected by the reductions.

CLIMATE CHANGE SCOPING PLAN

In October 2008, ARB published its *Climate Change Proposed Scoping Plan*, which is the State's plan to achieve GHG reductions in California required by AB 32. This initial Scoping Plan contained the main strategies to be implemented in order to achieve the target emission levels identified in AB 32. The Scoping Plan included ARB-recommended GHG reductions for each emissions sector of the state's GHG inventory. The largest proposed GHG reduction recommendations were associated with improving emissions standards for light-duty vehicles, implementing the Low Carbon Fuel Standard program, implementation of energy efficiency measures in buildings and appliances, and the widespread development of combined heat and power systems, and developing a renewable portfolio standard for electricity production.

The Scoping Plan states that land use planning and urban growth decisions will play important roles in the state's GHG reductions because local governments have primary authority to plan, zone, approve, and permit how land is developed to accommodate population growth and the changing needs of their jurisdictions. ARB further acknowledges that decisions on how land is used will have large impacts on the GHG emissions that will result from the transportation, housing, industry, forestry, water, agriculture, electricity, and natural gas emissions sectors. With regard to land use planning, the Scoping Plan expects approximately 5.0 MMT CO₂e will be achieved associated with the implementation of Senate Bill 375, which is discussed further below.

The initial Scoping Plan was first approved by ARB on December 11, 2008 and is updated every five years. The first update of the Scoping Plan was approved by the ARB on May 22, 2014, which looked past 2020 to set mid-term goals (2030-2035) on the road to reaching the 2050 goals. The most recent update released by ARB is the *2017 Climate Change Scoping Plan*, which was released on November 2017. The *2017 Climate Change Scoping Plan* incorporates strategies for achieving the 2030 GHG-reduction target established in SB 32 and EO B-30-15. Most notably, the *2017 Climate Change Scoping Plan* encourages zero net increases in GHG emissions. However, the *2017 Climate Change Scoping Plan* recognizes that achieving net zero increases in GHG emissions may not be feasible or appropriate for all projects and that the inability of a project to mitigate its GHG emissions to zero would not imply the project results in a substantial contribution to the cumulatively significant environmental impact of climate change under CEQA.

On November 16, 2022, the ARB approved the *2022 Scoping Plan for Achieving Carbon Neutrality*. The 2022 Scoping Plan continues the path to achieve the SB 32 2030 target and expands upon earlier plans by targeting an 85 percent reduction in GHG below 1990 levels by 2045.

SENATE BILL 1078 AND GOVERNOR'S ORDER S-14-08

Senate Bill 1078 (Public Utilities Code Sections 387, 390.1, 399.25 and Article 16) addresses electricity supply and requires that retail sellers of electricity, including investor-owned utilities and community choice aggregators, provide a minimum 20 percent of their supply from renewable sources by 2017. This Senate Bill will affect statewide GHG emissions associated with electricity generation. In 2008, Governor Schwarzenegger signed Executive Order S-14-08, which set the Renewables Portfolio Standard target to 33 percent by 2020. It directed state government agencies and retail sellers of electricity to take all appropriate actions to implement this target. Executive Order S-14-08 was later superseded by Executive Order S-21-09 on September 15, 2009. Executive Order S-21-09 directed the ARB to adopt regulations requiring 33 percent of electricity sold in the State come from renewable energy by 2020. Statute SB X1-2 superseded this Executive Order in 2011, which obligated all California electricity providers, including investor-owned utilities and publicly owned utilities, to obtain at least 33 percent of their energy from renewable electrical generation facilities by 2020.

ARB is required by current law, AB 32 of 2006, to regulate sources of GHGs to meet a state goal of reducing GHG emissions to 1990 levels by 2020 and an 80 percent reduction of 1990 levels by 2050. The California Energy Commission and California Public Utilities Commission serve in advisory roles to help ARB develop the regulations to administer the 33 percent by 2020 requirement. ARB is also authorized to increase the target and accelerate and expand the time frame.

MANDATORY REPORTING OF GHG EMISSIONS

The California Global Warming Solutions Act (AB 32, 2006) requires the reporting of GHGs by major sources to the ARB. Major sources required to report GHG emissions include industrial facilities, suppliers of transportation fuels, natural gas, natural gas liquids, liquefied petroleum gas, and carbon dioxide, operators of petroleum and natural gas systems, and electricity retail providers and marketers.

CAP-AND-TRADE REGULATION

The cap-and-trade regulation is a key element in California's climate plan. It sets a statewide limit on sources responsible for 85 percent of California's GHG emissions and establishes a price signal needed to drive long-term investment in cleaner fuels and more efficient use of energy. The cap-and-trade rules came into effect on January 1, 2013 and apply to large electric power plants and large industrial plants. In 2015, fuel distributors, including distributors of heating and transportation fuels, also became subject to the cap-and-trade rules. At that stage, the program will encompass around 360 businesses throughout California and nearly 85 percent of the state's total GHG emissions.

Under the cap-and-trade regulation, companies must hold enough emission allowances to cover their emissions and are free to buy and sell allowances on the open market. California held its first auction of GHG allowances on November 14, 2012. California's GHG cap-and-trade system is projected to reduce GHG emissions to 1990 levels by the year 2020 and would achieve an approximate 80 percent reduction from 1990 levels by 2050.

SENATE BILL 32

SB 32 was signed by Governor Brown on September 8, 2016. SB 32 effectively extends California's GHG emission-reduction goals from year 2020 to year 2030. This new emission-reduction target of 40 percent below 1990 levels by 2030 is intended to promote further GHG-reductions in support of the State's ultimate goal of reducing GHG emissions by 80 percent below 1990 levels by 2050. SB 32 also directs the ARB to update the Climate Change Scoping Plan to address this interim 2030 emission-reduction target.

SENATE BILL 97

Senate Bill 97 (SB 97) was enacted in 2007. SB 97 required OPR to develop, and the Natural Resources Agency to adopt, amendments to the CEQA Guidelines addressing the analysis and mitigation of GHG emissions. Those CEQA Guidelines amendments clarified several points, including the following:

- Lead agencies must analyze the GHG emissions of proposed projects and must reach a conclusion regarding the significance of those emissions.
- When a project's GHG emissions may be significant, lead agencies must consider a range of potential mitigation measures to reduce those emissions.
- Lead agencies must analyze potentially significant impacts associated with placing projects in hazardous locations, including locations potentially affected by climate change.
- Lead agencies may significantly streamline the analysis of GHGs on a project level by using a programmatic GHG emissions reduction plan meeting certain criteria.
- CEQA mandates analysis of a proposed project's potential energy use (including transportation-related energy), sources of energy supply and ways to reduce energy demand, including through the use of efficient transportation alternatives.

As part of the administrative rulemaking process, the California Natural Resources Agency developed a Final Statement of Reasons explaining the legal and factual bases, intent, and purpose of the CEQA Guidelines amendments. The amendments to the CEQA Guidelines implementing SB 97 became effective on March 18, 2010.

SENATE BILL 100

Senate Bill 100 (SB 100) was signed by Governor Jerry Brown on September 10, 2018. SB 100 sets a goal of phasing out all fossil fuels from the state's electricity sector by 2045. SB 100 increases to 60 percent, from 50 percent, how much of California's electricity portfolio must come from renewables by 2030. It establishes a further goal to have an electric grid that is entirely powered by clean energy by 2045, which could include other carbon-free sources, like nuclear power, that are not renewable.

SENATE BILL 375

SB 375 requires Metropolitan Planning Organizations (MPOs) to adopt a sustainable communities strategy (SCS) or alternative planning strategy (APS) that will address land-use allocation in that MPOs regional transportation plan. ARB, in consultation with MPOs, establishes regional reduction targets for GHGs emitted by passenger cars and light trucks for the years 2020 and 2035. These reduction targets will be updated every eight years but can be updated every four years if advancements in emissions technologies affect the reduction strategies to achieve the targets. ARB is also charged with reviewing each MPO's SCS or APS for consistency with its assigned targets. If MPOs do not meet the GHG reduction targets, funding for transportation projects may be withheld. In 2018, ARB adopted updated SB 375 targets.

CALIFORNIA BUILDING CODE

The California Building Code (CBC) contains standards that regulate the method of use, properties, performance, or types of materials used in the construction, alteration, improvement, repair, or rehabilitation of a building or other improvement to real property. The California Building Code is adopted every three years by the Building Standards Commission (BSC). In the interim, the BSC also adopts annual updates to make necessary mid-term corrections. The CBC standards apply statewide; however, a local jurisdiction may amend a CBC standard if it makes a finding that the amendment is reasonably necessary due to local climatic, geological, or topographical conditions.

GREEN BUILDING STANDARDS

In essence, green buildings standards are indistinguishable from any other building standards. Both standards are contained in the California Building Code and regulate the construction of new buildings and improvements. The only practical distinction between the two is that whereas the focus of traditional building standards has been protecting public health and safety, the focus of green building standards is to improve environmental performance.

AB 32, which mandates the reduction of GHG emissions in California to 1990 levels by 2020, increased the urgency around the adoption of green building standards. In its scoping plan for the implementation of AB 32, ARB identified energy use as the second largest contributor to California's GHG emissions, constituting roughly 25 percent of all such emissions. In recommending a green building strategy as one element of the scoping plan, ARB estimated that green building standards would reduce GHG emissions by approximately 26 MMT of CO₂e by 2020.

The green buildings standards were most recently updated on May 2018. Referred to as the *2019 Building Energy Efficiency Standards*, this most recent update focus on four key areas: smart residential photovoltaic systems, updated thermal envelope standards (preventing heat transfer from the interior to the exterior and vice versa), residential and nonresidential ventilation requirements, and nonresidential lighting requirements. The ventilation measures improve indoor air quality, protecting homeowners from air pollution originating from outdoor and indoor sources. Under the newly adopted standards, nonresidential buildings will use about 30 percent less energy due mainly to lighting upgrades. The recently updated *2019 Building Energy Efficiency Standards* also require new homes built after January 1, 2020 to be equipped with solar photovoltaic (PV) systems. The solar PV systems are to be sized based on the buildings annual electricity demand, the building square footage, and the climate zone within which the home is located. However, under the *2019 Building Energy Efficiency Standards*, homes may still rely on other energy sources, such as natural gas. Compliance with the *2019 Building Energy Efficiency Standards*, including the solar PV system mandate, residential dwellings will use approximately 50 to 53 percent less energy than those under the 2016 standards. Actual reduction will vary depending on various factors (e.g., building orientation, sun exposure). Non-residential buildings will use about 30 percent less energy due mainly to lighting upgrades (CEC 2019).

The recently updated 2022 Building Energy Efficiency Standards (2022 Standards), which were approved in December 2021, encourages efficient electric heat pumps, establishes electric-ready requirements when natural gas is installed and to support the future installation of battery storage, and further expands solar photovoltaic and battery storage standards. The 2022 Standards extend solar PV system requirements, as well as battery storage capabilities for select land uses, including high-rise multi-family and non-residential land uses, such as office buildings, schools, restaurants, warehouses, theaters, grocery stores, and more. Depending on the land use and other factors, solar systems should be sized to meet targets of up to 60 percent of the structure's loads. These new solar requirements will become effective January 1, 2023 and contribute to California's goal of reaching net-zero carbon footprint by 2045 (CEC 2022).

SHORT-LIVED CLIMATE POLLUTANT REDUCTION STRATEGY

In March 2017, the ARB adopted the *Short-Lived Climate Pollutant Reduction Strategy (SLCP Strategy)* establishing a path to decrease GHG emissions and displace fossil-based natural gas use. Strategies include avoiding landfill methane emissions by reducing the disposal of organics through edible food recovery, composting, in-vessel digestion, and other processes; and recovering methane from wastewater treatment facilities, and manure methane at dairies, and using the methane as a renewable source of natural gas to fuel vehicles or generate electricity. The *SLCP Strategy* also identifies steps to reduce natural gas leaks from oil and gas wells, pipelines, valves, and pumps to improve safety, avoid energy losses, and reduce methane emissions associated with natural gas use. Lastly, the *SLCP Strategy* also identifies measures that can reduce hydrofluorocarbon (HFC) emissions at national and international levels, in addition to State-level action that includes an incentive program to encourage the use of low-GWP refrigerants, and limitations on the use of high-GWP refrigerants in new refrigeration and air-conditioning equipment (ARB 2017).

SAN LUIS OBISPO COUNTY AIR POLLUTION CONTROL DISTRICT

The SLOAPCD is a local public agency with the primary mission of realizing and preserving clean air for all county residents and businesses. Responsibilities of the SLOAPCD include, but are not limited to, preparing plans for the attainment of ambient air quality standards, adopting and enforcing rules and regulations concerning sources of air pollution, issuing permits for stationary sources of air pollution, inspecting stationary sources of air pollution and responding to citizen complaints, monitoring ambient air quality and meteorological conditions, and implementing programs and regulations required by federal and state regulatory requirements.

Impact Analysis

Thresholds of Significance

In accordance with Appendix G of the *State CEQA Guidelines*, increased GHG emissions associated with the implementation of the proposed project would be considered significant if it would:

- a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment.
- b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases.

The SLOAPCD has not yet adopted updated recommended GHG significance thresholds that address the State's future year (e.g., 2030) GHG-reduction goals. Likewise, the County of San Luis Obispo has not adopted a qualified GHG-reduction plan pursuant to CEQA Guidelines Section 15183.5(b)(1) that addresses future year GHG-reduction goals. This analysis, therefore, is based on a calculated GHG-efficiency threshold that is based on the County's GHG emissions inventory with adjustments taking into account future year 2030 GHG-reduction targets, per SB 32. For purposes of this analysis, project-generated GHG emissions that would exceed the calculated efficiency threshold of 2.9 MTCO₂e/service population (SP)/year would be considered to have a potentially significant impact on the environment that could conflict with GHG-reduction planning efforts. The methodology used for quantification of the 2030 GHG efficiency threshold is summarized in Table 17.

Methodology

Emissions associated with the construction of the proposed project were calculated using the California Emissions Estimator Model (CalEEMod), version 2020.4.0 computer program for project development. Construction of this project anticipated to occur over an approximately 96-month period beginning in 2023. Off-road equipment was based on CalEEMod defaults. Additional construction information, such as worker vehicle trips and equipment load factors, were not available and were based on default parameters contained in the model. Construction emissions were amortized based on an estimated project life of 30 years and included with operational emissions for determination of impact significance. Modeling assumptions and output files are included in Appendix C of this report.

Long-term operational GHG emissions were calculated using the CalEEMod, version 2020.4.0 for year 2030 operational conditions. Electricity intensity factors were adjusted to reflect compliance with the State's Renewables Portfolio Standards. Mobile-source emissions were calculated based on vehicle trip-generation rates derived from the traffic analysis prepared for this project (CCTC 2021). Vehicle travel distribution/distances were not available and were based on model defaults for San Luis Obispo County. Emission modeling files are provided in Appendix B.

Table 16. Emissions Inventory by Sector for Unincorporated San Luis Obispo County

GHG Emissions Sector ¹	2006 Emission Inventory (MTCO _{2e}) ¹	Land Use Driven ²	Project Specific	2030 GHG Emission Target ⁴
Livestock	83,420	No	No	
Crops	22,630	No	No	
Off-Road Equipment	63,280	Yes	Yes	
Waste	30,540	Yes	Yes	
Transportation Aircraft	240	No	No	
Transportation Surface	365,260	Yes	Yes	
Commercial/Industrial	215,970	Yes	Yes	
Residential	136,360	Yes	Yes	
Sub Total	917,700			
Not Land Use Appropriate	-106,290			
Total Land Use Driven:	811,410			486,846

1. Emissions inventory data for unincorporated areas derived from County of San Luis Obispo EnergyWise Plan (November 2011).
2. Land Use Driven is characterized as an emissions sector being directly impacted by the proposed land uses.
3. Excludes Livestock & Crops emissions not considered project appropriate.
4. Based on business-as-usual (year 2006) emissions inventory for the unincorporated area of the county and the State's target GHG reductions of 40 percent below BAU baseline GHG emissions inventory by 2030.

Table 17. GHG Efficiency Threshold Calculation for Unincorporated San Luis Obispo County

	Year 2030
Land Use Sectors GHG Emissions Target (MTCO _{2e}) ¹	486,846
Service Population (SP) ²	170,165
GHG Efficiency Threshold (MTCO _{2e} /SP/yr)	2.9

1. Based on San Luis Obispo County GHG emissions inventories for baseline year 2006 derived from the County of San Luis Obispo EnergyWise Plan (November 2011). Includes waste, transportation, commercial/industrial, off-road equipment and residential emissions sectors. Excludes agriculture-related sectors.
2. Service population represents total employment and population for the unincorporated areas of the County. Service population of the County for unincorporated areas derived from the San Luis Obispo Council of Governments SLOCOG 2050 regional Growth Forecast (June 2017).

Project Impacts and Mitigation Measures

Impact GHG-A. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

Estimated GHG emissions attributable to future development would be primarily associated with increases of CO₂ from mobile sources. To a lesser extent, other GHG pollutants, such as CH₄ and N₂O, would also be generated. Short-term and long-term GHG emissions associated with the development of the proposed project are discussed in greater detail, as follows:

Short-term Construction GHG Emissions

Estimated increases in GHG emissions associated with the construction of the proposed project are summarized in Table 17. Based on the modeling conducted, construction-related GHG emissions would total approximately 29,618.8 MTCO_{2e}. Amortized GHG emissions, when averaged over the assumed 30-year life of the project, would total approximately 987.3 MTCO_{2e}/year. There would also be a small amount of GHG emissions from waste generated during construction; however, this amount is speculative. Actual emissions may vary, depending on the final construction schedules, equipment required, and activities conducted. Amortized construction-generated GHG emissions are included in the operational GHG emissions impact discussion provided below.

Table 18. Construction-Generated GHG Emissions Without Mitigation

Construction Year	GHG Emissions (MTCO _{2e} /Year)
2023	747.5
2024	4,323.0
2025	4,311.1
2026	4,558.1
2027	4,159.7
2028	4,075.3
2029	4,009.3
2030	3,434.7
Construction Total:	29,618.8
Amortized Construction Emissions:	987.3

Refer to Appendix C for modeling assumptions and results.

Long-term Operational GHG Emissions

Estimated long-term increases in GHG emissions associated with the proposed project (without mitigation) for operational year 2030 are summarized in Table 19. As depicted, operational GHG emissions, with the inclusion of amortized construction and loss of sequestration GHGs, would total approximately 17,756 MTCO_{2e}/year. A majority of the operational GHG emissions would be associated with energy use and the operation of motor vehicles. To a lesser extent, GHG emissions would also be associated with solid waste generation and water use. Project-generated GHG emissions are projected to decrease in future years due largely to improvements in energy-efficiency and vehicle fleet emissions.

Based on the modeling conducted and assuming a total service population of 4,828 individuals (i.e., 4,555 residents and 273 employees), the calculated GHG efficiency for the proposed project would be 3.6 MTCO_{2e}/SP/yr, which would exceed the significance thresholds of 2.9 MTCO_{2e}/SP/yr. As a result, this impact would be considered **potentially significant**.

Table 19. Operational GHG Emissions Without Mitigation

Operational Year/Source	GHG Emissions (MTCO ₂ e/Year)
	Year 2030
Area Source ¹	32.9
Energy Use ²	2,477.3
Motor Vehicles ³	13,325.9
Waste ⁴	368.2
Water ⁵	169.6
Total Operational Emissions:	16,373.8
Amortized Construction Emissions:	987.3
Amortized Loss of Sequestration Emissions ⁶ :	394.9
Total with Loss of Sequestration & Amortized Construction Emissions:	17,756
Service Population (SP) ⁷ :	4,828
MTCO ₂ e/SP:	3.6
GHG Efficiency Significance Threshold:	2.9
Exceeds Threshold?	Yes
<p>1. Area source includes emissions associated primarily with the use of landscape maintenance equipment.</p> <p>2. Includes adjustment for California Renewable Portfolio Standards requirements and a minimum average reduction of 70 percent in residential electricity use with installation of on-site residential solar PV systems and compliance with applicable building energy-efficiency standards (PG&E 2022). Does not include reduction for mitigated natural gas use.</p> <p>3. Based on default fleet mix for land uses contained in CalEEMod for San Luis Obispo County.</p> <p>4. Based on an average annual waste diversion/recycling rate of 50% based on statewide averages.</p> <p>5. Includes use of low-flow water fixtures and water-efficient irrigation systems, per current building code requirements.</p> <p>6. Calculated in CalEEMod based on loss of a total of approximately 266.5 acres, including 21.7 acres of coast live oak forest, 75.3 acres of coast live oak woodland, 35.0 acres of Burton Mesa chaparral, 125.0 acres of California perennial grassland, 3.2 acres of annual brome grassland, and 5.1 acres of Mediterranean California naturalized perennial grassland. Offsite improvements would impact approximately 0.05 acres of scrub land and 0.81 acres of grassland</p> <p>7. Based on the estimated number of residents and employees served by the proposed project (SWCA 2021). Refer to Appendix C for modeling assumptions and results.</p>	

Mitigation Measures

GHG-1. In addition to Air Quality Mitigation Measures AQ-2 and AQ-3, the following measures shall be implemented to reduce project-generated emissions of GHGs:

- a. To the extent practical, the proposed project shall reuse and recycle construction waste (including, but not limited to, soil, vegetation, concrete, lumber, metal, and cardboard).
- b. The servicing of residential development by natural gas shall be prohibited, to the extent possible. In the event that natural gas service for residential development is installed, the following measures shall be implemented:
 - (1.) The electrical systems for single-family homes shall be designed with sufficient capacity and all prewiring necessary to accommodate the future retrofit to all-electric (e.g., such that electric space heating, water heating, drying, and cooking appliances could be installed).
 - (2.) A GHG-reduction plan shall be prepared. The GHG-reduction plan shall identify additional on-site and/or off-site GHG-reduction measures to be implemented sufficient to fully offset GHG emissions associated with natural gas service. The GHG-reduction plan shall be submitted to County planning staff for review and approval prior to issuance of building construction permits. Under CEQA Guidelines Section 15126.4, subdivisions (c)(3) and (c)(4), respectively, a project's GHG emissions can be reduced by off-site measures, including offsets that are not otherwise required and measures that sequester GHGs. In the event that feasible on-site GHG-reduction measures are insufficient to reduce operational GHG emissions to below the GHG threshold of significance, off-site mitigation

measures may be included. Off-site mitigation measures may include "Direct Reduction Activities" or the purchase of "Carbon Offset Credits" as discussed below:

Direct Reduction Activities

Directly undertake or fund activities that will reduce or sequester GHG emissions. GHG reduction credits shall achieve GHG emission reductions that are real, permanent, quantifiable, verifiable, enforceable, in accordance with the criteria set forth in the ARB's most recent Process for the Review and Approval of Compliance Offset Protocols in Support of the Cap-and-Trade Regulation (2013). GHG reduction credits shall be undertaken for the specific purpose of reduction project-generated GHG emissions and shall not include reductions that would otherwise be required by law. All Direct Reduction Activities and associated reduction credits shall be confirmed by an independent, qualified third-party. The "Direct Reduction Activity" shall be registered with an ARB-approved registry and in compliance with ARB-approved protocols. In accordance with the applicable Registry requirements, the Project applicant (or its designee) shall retain an independent, qualified third-party to confirm the GHG emissions reduction or sequestration achieved by the Direct GHG Reduction Activities against the applicable Registry protocol or methodology. The Project applicant (or its designee) will then apply for issuance of carbon credits in accordance with the applicable Registry rules.

Carbon Offsets

Obtain and retire "Carbon Offsets." Carbon Offsets shall achieve GHG reductions that are real, permanent, quantifiable, verifiable, and enforceable. Carbon offsets shall be purchased from ARB-approved registries and shall comply with ARB-approved protocols to ensure that offset credits accurately and reliably represent actual emissions reductions. If the purchase of carbon offsets is selected, offsets shall be purchased according to the SLOAPCD's preference, which is, in order of preference: (1) within the SLOAPCD jurisdictional area; (2) within the State of California; then (3) elsewhere in the United States. In the event that a project or program providing offsets to the project applicant loses its accreditation, the project applicant shall comply with the rules and procedures of retiring offsets specific to the registry involved and shall purchase an equivalent number of credits to recoup the loss.

- c. To the extent possible, non-residential development shall install electrically-powered appliances and building mechanical equipment in place of natural-gas fueled equipment.
- d. Encourage future land uses to participate in Central Coast Community Energy as the electricity provider if it is an option that would be available at the time of occupancy.
- e. The Project shall provide organic waste pick up and shall provide the appropriate on-site enclosures consistent with County of San Luis Obispo requirements.
- f. The proposed project shall be designed to incorporate drought-resistant and native plants.
- g. The proposed project shall be designed to incorporate water-efficient irrigation systems.
- h. The proposed project shall be designed to exceed low-flow water fixtures requirements.
- i. The proposed project shall install high-reflectance roofing materials (e.g., EPA "Energy Star"-rated), to the extent practical, to reduce building heat absorption and summer energy costs.
- j. The electrical systems for single-family homes shall be designed with sufficient capacity to accommodate Level 2 residential-use electric vehicle chargers.

Significance After Mitigation

Implementation of Mitigation Measure AQ-2 would include measures that would reduce short-term emissions of GHGs, including emissions of black carbon. Implementation of Mitigation Measure AQ-3 would include measures that would reduce long-term emissions of GHGs, including emissions associated with energy and motor vehicle use. Additional measures have been included to further reduce emissions associated with energy use and to ensure compliance with current building standards. The installation of electrically-powered appliances and building mechanical equipment in place of natural-gas fueled equipment would further reduce on-site emissions of GHGs. The installation of natural-gas fired appliance and building mechanical equipment within non-residential land uses would further reduce GHG emissions. In some instances, however,

comparable electrified commercial equipment may not be available or practical, such as for backup emergency power generators. Pacific Gas & Electric Company (PG&E) has historically been the primary electricity provider within San Luis Obispo County. Mitigated operational year 2030 GHG emissions are summarized in Table 20.

Table 20. Operational GHG Emissions With Mitigation

Operational Year/Source	GHG Emissions (MTCO ₂ e/Year)
	Year 2030
Area Source ¹	32.9
Energy Use ²	566.6
Motor Vehicles	10,699.5
Waste Generation ⁴	368.2
Water Use and Conveyance ⁵	167.3
Total Operational Emissions:	11,834.4
Amortized Construction Emissions:	987.3
Amortized Loss of Sequestration Emissions ⁶ :	394.9
Total with Loss of Sequestration & Amortized Construction Emissions:	13,216.6
Service Population ⁷ (SP):	4,828
MTCO ₂ e/SP:	2.7
GHG Efficiency Significance Threshold:	2.9
Exceeds Threshold?	No

1. Area source includes emissions associated primarily with the use of landscape maintenance equipment.
2. Includes adjustment for California Renewable Portfolio Standards requirements and a minimum average reduction of 70 percent in residential electricity use with installation of on-site residential solar PV systems and compliance with applicable building energy-efficiency standards (PG&E 2022).
3. Based on default fleet mix for land uses contained in CalEEMod for San Luis Obispo County.
4. Based on an average annual waste diversion/recycling rate of 50% based on statewide averages.
5. Includes use of low-flow water fixtures and water-efficient irrigation systems, per current building code requirements.
6. Calculated in CalEEMod based on loss of a total of approximately 266.5 acres, including 21.7 acres of coast live oak forest, 75.3 acres of coast live oak woodland, 35.0 acres of Burton Mesa chaparral, 125.0 acres of California perennial grassland, 3.2 acres of annual brome grassland, and 5.1 acres of Mediterranean California naturalized perennial grassland. Offsite improvements would impact approximately 0.05 acres of scrub land and 0.81 acres of grassland
7. Based on the estimated number of residents and employees served by the proposed project (SWCA 2021).
Refer to Appendix C for modeling assumptions and results.

As depicted in Table 20, mitigated operational emissions would total approximately 13,216.6 MTCO₂e/year. With mitigation, the project's GHG efficiency would be reduced to approximately 2.7 MTCO₂e/SP/year, below the corresponding efficiency threshold of 2.9 MTCO₂e/SP/year for ensuring consistency with SB 32 GHG-reduction requirements. With mitigation, the proposed project would be considered to have a less-than-significant impact on the environment. With mitigation, this impact would be considered **less than significant**.

Impact GHG-B Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

As noted in Table 19 and 20, operational GHG emissions attributable to the proposed project would be primarily associated with energy use and mobile sources, which account for roughly 15 percent and 81 percent of the project's total operational GHG emissions, respectively. Implementation of recommended mitigation measures and compliance with current building standards would significantly reduce GHG emissions associated with energy use, such that project-generated GHG emissions would not exceed unincorporated county year 2030 GHG-reduction targets, per SB 32 requirements. In addition to the

statewide GHG reductions established by SB 32, project consistency with the *County of San Luis Obispo 2019 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS)*/SB 375 would also be required.

The 2019 RTP/SCS was adopted by the SLOCOG Board in June 2019. The SCS component outlines how the region will meet or exceed its GHG reduction targets as required by SB 375 through the promotion of a variety of transportation demand management & system management tools and techniques to maximize the efficiency of the transportation network. Consistency with the requirement of SB 375 ensures consistency with the GHG-reduction targets set by ARB. The 2019 SCS was found to be consistent with the requirement of SB 375 and is also consistent with the general plans of the region's jurisdictions (SLOCOG 2019).

Estimated regional average VMT modeling results, with and without project implementation, are summarized in Table 8. As depicted, regional average VMT/employee would decrease from 27.0 to 26.9 and VMT/capita would increase from 29.8 to 30.0 with project implementation. With project implementation, VMT would exceed the significance threshold of 25.7 VMT/employee and 27.2 VMT/capita. As a result, the proposed project would not be consistent with VMT projections upon which the RTP/SCS is based. For this reason, the proposed project could conflict with regional and state-wide GHG-reduction efforts, specifically those related to reductions in mobile-source GHG emissions. No mitigation measures have been identified that would reduce VMT to below applicable thresholds. As a result, this impact would be considered **significant and unavoidable**.

REFERENCES

- Bay Area Air Quality Management District (BAAQMD). 2022. *CEQA Thresholds for Evaluating The Significance of Climate Impacts*. Website URL: <https://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/ceqa-thresholds-2022/justification-report-pdf.pdf?la=en>
- California Air Resources Board (ARB). 2013. California Air Resources Board's Process for the Review and Approval of Compliance Offset Protocols in Support of the Cap and Trade Regulation.
- California Air Resources Board (ARB). Accessed January 20, 2022. California Green Building Strategy. Website URL: <http://www.arb.ca.gov/cc/greenbuildings/greenbuildings.htm>.
- California Air Resources Board (ARB). 2021a. California Greenhouse Gas Emissions Inventory: 2000-2019. Available at website url: https://ww2.arb.ca.gov/sites/default/files/classic/cc/ca_ghg_inventory_trends_2000-2019.pdf.
- California Air Resources Board (ARB). Accessed December 20, 2021b. ARB Air Quality Data Statistics. Website URL: <https://www.arb.ca.gov/adam/topfour/topfour1.php>.
- California Air Resources Board (ARB). Accessed December 12, 2020. Short Lived Climate Pollutants. Website URL: <https://ww2.arb.ca.gov/our-work/programs/slcp>.
- California Air Resources Board (ARB). Accessed January 20, 2018. ARB Health-Related Fact Sheets. Website URL: <http://www.arb.ca.gov/research/health/fs/fs.htm>.
- California Air Resources Board (ARB). April 2017. *Strategies to Reduce Air Pollution Exposure Near High-Volume Roadways*.
- California Air Resources Board (ARB). April 2005. *Air Quality and Land Use Handbook: A Community Health Perspective*.
- California Department of Finance (DOF) Demographic Research Unit. 2019. Report P-1: State Population Projections (2010 - 2060). Available at website url: <http://www.dof.ca.gov/Forecasting/Demographics/Projections/>.
- California Energy Commission (CEC). 2019. *2019 Building Energy Efficiency Standards*. Website url: <https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/2019-building-energy-efficiency>.
- California Energy Commission (CEC). 2022. *2022 Building Energy Efficiency Standards*. Website url: <https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/2022-building-energy-efficiency>.
- Central Coast Transportation Consulting (CCTC). 2019. *Dana Reserve Nipomo Specific Plan – Transportation Impact Study*
- County of San Luis Obispo Air Pollution Control District (SLOAPCD). December 2001. *Clean Air Plan*.
- Intergovernmental Panel on Climate Change (IPCC). 2007. Fourth Assessment Report, Climate Change 2007: Impacts, Adaptation and Vulnerability. Available at website url: https://www.ipcc.ch/site/assets/uploads/2018/03/ar4_wg2_full_report.pdf.
- Pacific Gas & Electric (PG&E). 2022. Guide to Going Solar–California. Website url: https://www.pge.com/includes/docs/pdfs/myhome/saveenergymoney/solarenergy/CSI_Guide_To_Going_Solar.pdf.
- San Luis Obispo County. *County-Approved Plant List (Combined)*. Available at website url: [https://www.slocounty.ca.gov/Departments/Planning-Building/Forms-Documents/Environmental-Forms-and-Documents/Plants-Information/County-Approved-Plant-List-\(1\).pdf](https://www.slocounty.ca.gov/Departments/Planning-Building/Forms-Documents/Environmental-Forms-and-Documents/Plants-Information/County-Approved-Plant-List-(1).pdf).
- San Luis Obispo County. November 2011. EnergyWise Plan. Available at website url: <https://www.slocounty.ca.gov/Departments/Planning-Building/Forms-Documents/Energy-and-Climate-Reports/EnergyWise-Plan.pdf>
- San Luis Obispo County. October 2020. Transportation Impact Analysis Guidelines.
- San Luis Obispo County Air Pollution Control District (SLOAPCD). April 2012. *CEQA Air Quality Handbook*. Available at website url: <https://www.slocleanair.org/rules-regulations/land-use-ceqa.php>.
- San Luis Obispo County Air Pollution Control District (SLOAPCD). April 2012. *2017 Clarification Memo related to the CEQA Air Quality Handbook*. Available at website url: <https://www.slocleanair.org/rules-regulations/land-use-ceqa.php>.
- San Luis Obispo County Air Pollution Control District (SLOAPCD). 2022. SLOAPCD Naturally Occurring Asbestos Map. Available at website url: <https://www.slocleanair.org/rules-regulations/land-use-ceqa.php>.
- San Luis Obispo Council of Governments (SLOCOG). 2019. *SLOCOG 2019 Regional Transportation Plan*. Available at website url: <https://www.slocog.org/2019RTP>
- San Luis Obispo Council of Governments (SLOCOG). 2019. *SLOCOG 2019 Regional Housing Needs Allocation Plan*. Available at website url: <https://www.slocog.org/programs/housing>

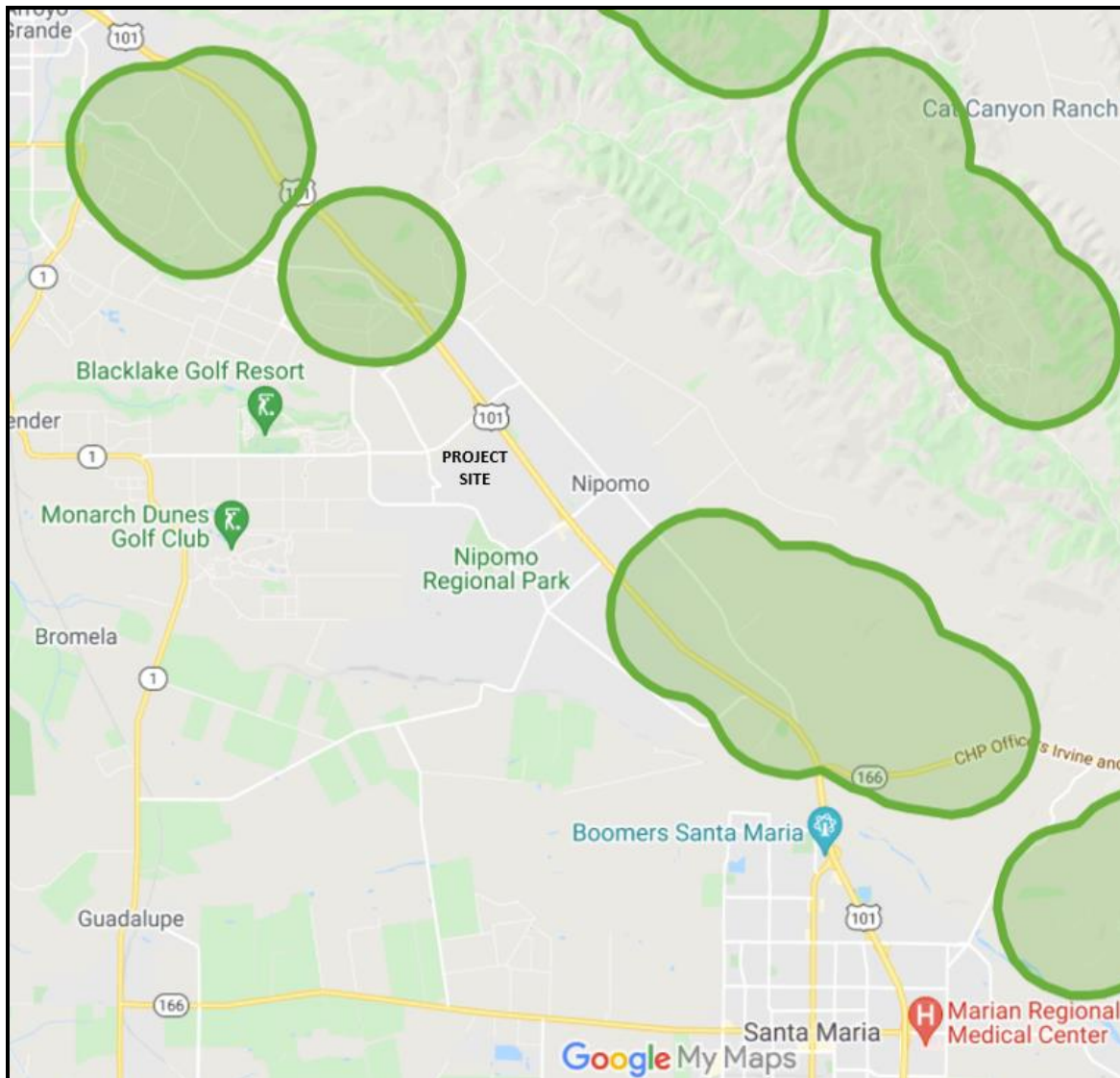
San Luis Obispo Council of Governments (SLOCOG). June 2017. SLOCOG 2050 Regional Growth Forecast. Available at website url: https://www.dropbox.com/s/gia0tlcyqs51a3w/2050RegionalGrowthForecast_01FullReport_RevDec2018.pdf?dl=0

United States Environmental Protection Agency (U.S. EPA). Accessed: August 20, 2018. Overview of Greenhouse Gases. Website URL: <https://www.epa.gov/ghgemissions/overview-greenhouse-gases>.

APPENDIX A

Naturally Occurring Asbestos Zones

SLOAPCD Naturally Occurring Asbestos Zone Map (Nipomo and Surrounding Area)



Source: San Luis Obispo County Air Pollution Control District (SLOAPCD). SLOAPCD NOA Map. Website url:
<https://www.google.com/maps/d/viewer?mid=1YAKjBzVkw1bZ4rQ1p6b2OMyvIM&oid=0&ll=35.04268157348912%2C-120.46229225690405&z=12>

APPENDIX B

Emissions Modeling & Supportive Documentation

Unmitigated Residential							
	ROG	Nox	ROC+ Nox	CO	Fugitive	Exhaust	Total PM10
Area	52.3088	1.3688	53.6776	118.7347		0.6602	0.6602
Energy Use	0.8333	7.1205	7.9538	3.03		0.5757	0.5757
Mobile*	31.8517	37.1226	68.9743	282.427	71.2545	0.4556	71.71
Total	84.9938	45.6119	130.6057	404.1917	71.2545	1.6915	72.9459

Unmitigated Commercial & education							
	ROG	Nox	ROC+ Nox	CO	Fugitive	Exhaust	Total PM10
Area	3.71	0.00068	3.71068	0.0751		0.00027	0.00027
Energy Use	0.0784	0.7127	0.7911	0.5987		0.0542	0.0542
Mobile	18.7872	21.3345	40.1217	162.9366	40.3489	0.2598	40.6087
Total	22.5756	22.04788	44.62348	163.6104	40.3489	0.31427	40.66317

Unmitigated Hotel							
	ROG	Nox	ROC+ Nox	CO	Fugitive	Exhaust	Total PM10
Area	1.666	0.0001	1.6661	0.0112		0.00004	0.00004
Energy Use	0.0778	0.7077	0.7855	0.5944		0.0538	0.0538
Mobile	2.0925	2.2874	4.3799	17.5711	4.2285	0.0275	4.256
Total	3.8363	2.9952	6.8315	18.1767	4.2285	0.08134	4.30984

Unmitigated Daily Operational (lbs/day)							
	ROG	Nox	ROC+ Nox	CO	Fugitive	Exhaust	Total PM10
Area	57.6848	1.36958	59.05438	118.821	0	0.66051	0.66051
Energy Use	0.9895	8.5409	9.5304	4.2231	0	0.6837	0.6837
Mobile	52.7314	60.7445	113.4759	462.9347	115.8319	0.7429	116.5747
Total	111.4057	70.65498	182.0607	585.9788	115.8319	2.08711	117.91891

Unmitigated Annual Operational (tons/year)							
	ROG	Nox	ROC+ Nox	CO	Fugitive	Exhaust	Total PM10
Residential	17.7558	7.7147	25.4705	66.2243	11.6711	0.2905	11.9616
Commercial	3.0457	2.9177	5.9634	20.9385	5.191	0.0442	5.2351
Hotel	0.6641	0.5233	1.1874	3.0706	0.7167	0.0146	0.7313
Total	21.4656	11.1557	32.6213	90.2334	17.5788	0.3493	17.928

Mitigated Residential

	ROG	Nox	ROC+ Nox	CO	Fugitive	Exhaust	Total PM10
Area	52.3088	1.3688	53.6776	118.7347		0.6602	0.6602
Energy Use	0.8333	7.1205	7.9538	3.03		0.5757	0.5757
Mobile	29.2216	31.794	61.0156	244.4053	58.6039	0.3819	58.9858
Total	82.3637	40.2833	122.647	366.17	58.6039	1.6178	60.2217

Mitigated Commercial & education

	ROG	Nox	ROC+ Nox	CO	Fugitive	Exhaust	Total PM10
Area	3.71	0.00068	3.71068	0.0751		0.00027	0.00027
Energy Use	0.0784	0.7127	0.7911	0.5987		0.0542	0.0542
Mobile	16.4208	16.5402	32.961	128.7271	28.9668	0.1935	28.9668
Total	20.2092	17.25358	37.46278	129.4009	28.9668	0.24797	29.02127

Mitigated Hotel

	ROG	Nox	ROC+ Nox	CO	Fugitive	Exhaust	Total PM10
Area	1.3612	0.0001	1.3613	0.0112		0.00004	0.00004
Energy Use	0.0778	0.7077	0.7855	0.5944		0.0538	0.0538
Mobile	2.0402	2.1815	4.2217	16.8149	3.9769	0.0261	4.003
Total	3.8176	3.5095	7.3271	20.3542	4.2326	0.0876	4.3203

Mitigated Daily Operational (lbs/day)							
	ROG	Nox	ROC+ Nox	CO	Fugitive	Exhaust	Total PM10
Area	57.38	1.36958	58.74958	118.821	0	0.66051	0.66051
Energy Use	0.9895	8.5409	9.5304	4.2231	0	0.6837	0.6837
Mobile	47.6826	50.5157	98.1983	389.9473	91.5476	0.6015	91.9556
Total	106.3905	61.04638	167.43688	515.9251	91.8033	1.95337	93.56327

Mitigated Annual Operational (tons/year)							
	ROG	Nox	ROC+ Nox	CO	Fugitive	Exhaust	Total PM10
Residential	14.3013	6.8196	21.1209	59.9318	9.599	0.2781	9.8771
Commercial	2.7245	2.2851	5.0096	16.4916	3.7267	0.0354	3.7621
Hotel	0.5991	0.5049	1.104	2.9411	0.674	0.0144	0.6884
Total	17.6249	9.6096	27.2345	79.3645	13.9997	0.3279	14.3276

Natural gas emissions	ROG	Nox	ROC+ Nox	CO	Fugitive	Exhaust	Total PM10
lbs/day	0.8333	7.1205	7.9538	3.03	0	0.5757	0.5757
tons/year	0.1521	1.2995	1.4516	0.553	0	0.1051	0.1051

Mitigated (No Nat Gas) Daily Operational (lbs/day)							
	ROG	Nox	ROC+ Nox	CO	Fugitive	Exhaust	Total PM10
Area	57.38	1.36958	58.74958	118.821	0	0.66051	0.66051
Energy Use	0.1562	1.4204	1.5766	1.1931	0	0.108	0.108
Mobile	47.6826	50.5157	98.1983	389.9473	91.5476	0.6015	91.9556
Total	105.2188	53.30568	158.52448	509.9614	91.5476	1.37001	92.72411

Mitigated (No Nat Gas) Annual Operational (tons/year)							
	ROG	Nox	ROC+ Nox	CO	Fugitive	Exhaust	Total PM10
Residential	14.1492	5.5201	19.6693	59.3788	9.599	0.173	9.772
Commercial	2.7245	2.2851	5.0096	16.4916	3.7267	0.0354	3.7621
Hotel	0.5991	0.5049	1.104	2.9411	0.674	0.0144	0.6884
Total	17.4728	8.3101	25.7829	78.8115	13.9997	0.2228	14.2225

GHG EFFICIENCY THRESHOLD CALCULATION

	YEAR											YEAR					
	2006	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
POPULATION	108,000	123,597										132,066					134,975
EMPLOYMENT	15,680	35,295										38,099					39,152
SERVICE POPULATION	123,680	158,892	159,908	160,923	161,939	162,955	163,970	164,986	166,002	167,017	168,033	170,165	171,181	172,196	173,212	174,228	174,127

GHG EMISSIONS INVENTORY

LAND USE SECTOR (TOTAL):	811,410	705,560	683,689	661,817	639,946	618,074	596,203	574,332	552,460	530,589	508,717	486,846					
PERCENT REDUCTION		13.0%											40.0%				
			21871.4														

GHG EFFICIENCY TARGET/THRESHOLD

LAND USE SECTOR (TOTAL):	4.4	4.3	4.1	4.0	3.8	3.7	3.5	3.3	3.2	3.0	2.861						
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Based on business-as-usual (year 2006) and year 2020 emissions inventory for the unincorporated area of the county and the State's target GHG reductions of 40 percent below BAU baseline GHG emissions inventory by 2030. Emissions inventory reflects locally appropriate emission sectors; excludes emission sectors that do not apply to standard development (e.g., agriculture). Assumes GHG-reduction target would apply to all emission sectors. County emissions inventory data for unincorporated areas derived from County of San Luis Obispo EnergyWise Plan (November 2011).

County employment projections for unincorporated areas derived from SLOCOG 2050 Regional Growth Forecast (June 2017).

County population projections for unincorporated areas for year 2020 and 2035 derived from SLOCOG 2050 Regional Growth Forecast (June 2017).

Service population represents total employment and population for the unincorporated areas of the County. Interim years are based on a trend analysis.

GHG Emissions Without Mitigation				
	Residential	Hotel	Commercial	Total
Area	32.8529	0.00384	0.0258	32.88254
Energy	2037.4293	167.2488	272.576	2477.254
Motor Vehicles	8,839.69	546.1876	3939.984	13325.86
Waste	316.1289	15.1449	36.9255	368.1993
Water	137.3749	4.006	28.2156	169.5965
				16373.79

GHG Emissions With Mitigation				
	Residential	Hotel	Commercial	Total
Area	32.851	0.00384	0.0258	32.88064
Energy	1,641.78	166.694	271.9869	2080.457
Motor Vehicles	7,319.14	514.8962	2865.4185	10699.46
Waste	316.1289	15.1449	36.9255	368.1993
Water	135.0492	4.006	28.2156	167.2708
				13348.27

Natural Gas Removed (subtract)	1,513.90
Loss of sequestration (add)	11,846.20
Amoritized loss of sequestration	394.87

	Residential	Hotel	Commercial	Total
Area	32.851	0.00384	0.0258	32.88064
Energy (no nat gas)	127.88	166.694	271.9869	566.5602
Motor Vehicles	7319.1446	514.8962	2865.4185	10699.46
Waste	316.1289	15.1449	36.9255	368.1993
Water	135.0492	4.006	28.2156	167.2708
Loss of sequestration				394.87
				12229.24

DAILY EMISSIONS SUMMARY Unmitigated (LBS)

CONSTRUCTION ACTIVITY	ROG	NOX	ROG+NOX	PM10			PM2.5			
				FUG	EXH	TOTAL	FUG	EXH	TOTAL	
Summer										
Residential - Grubbing - 2023										
	ONSITE	2.27	21.48	23.75	0.00	1.00	1.00	0.00	0.93	0.93
	OFFSITE	0.05	0.03	0.08	0.15	0.00	0.04	0.04	0.00	0.04
	TOTAL	2.32	21.52	23.83	0.15	1.00	1.04	0.04	0.93	0.97
Residential - SITE PREPARATION - 2023										
	ONSITE	2.66	27.52	30.18	19.66	1.27	20.92	10.10	1.16	11.27
	OFFSITE	0.06	0.04	0.09	0.18	0.00	0.18	0.05	0.00	0.05
	TOTAL	2.72	27.56	30.28	19.84	1.27	21.10	10.15	1.17	11.32
Residential - Grading - 2023										
	ONSITE	3.32	34.52	37.84	9.20	1.42	10.63	3.65	1.31	4.96
	OFFSITE	0.06	0.04	0.11	0.20	0.00	0.20	0.05	0.00	0.05
	TOTAL	3.38	34.56	37.94	9.40	1.43	10.83	3.71	1.31	5.02
Residential - BUILDING CONSTRUCTION - 2024										
	ONSITE	1.47	13.44	14.92	0.00	0.61	0.61	0.00	0.58	0.58
	OFFSITE	2.37	7.43	9.80	8.02	0.07	8.09	2.14	0.06	2.21
	TOTAL	3.84	20.87	24.72	8.02	0.68	8.70	2.14	0.64	2.79
Residential - BUILDING CONSTRUCTION - 2025										
	ONSITE	1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE	2.25	7.16	9.41	8.02	0.07	8.09	2.14	0.06	2.21
	TOTAL	3.61	19.63	23.24	8.02	0.59	8.62	2.14	0.56	2.70
Residential - BUILDING CONSTRUCTION - 2026										
	ONSITE	1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE	2.14	6.92	9.05	8.02	0.06	8.09	2.14	0.06	2.20
	TOTAL	3.50	19.39	22.89	8.02	0.59	8.61	2.14	0.56	2.70
Residential - BUILDING CONSTRUCTION - 2027										
	ONSITE	1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE	2.03	6.70	8.73	8.02	0.06	8.08	2.14	0.06	2.20
	TOTAL	3.40	19.17	22.57	8.02	0.59	8.61	2.14	0.55	2.70
Residential - BUILDING CONSTRUCTION - 2028										
	ONSITE	1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE	1.93	6.51	8.44	8.02	0.06	8.08	2.14	0.06	2.20
	TOTAL	3.30	18.98	22.28	8.02	0.59	8.61	2.14	0.55	2.70
Residential - BUILDING CONSTRUCTION - 2029										
	ONSITE	1.37	12.47	13.84	0.00	0.53	0.54	0.00	0.50	0.50
	OFFSITE	1.83	6.33	8.16	8.02	0.06	8.08	2.14	0.05	2.20
	TOTAL	3.20	18.80	22.00	8.02	0.58	8.62	2.14	0.55	2.69
Residential - BUILDING CONSTRUCTION - 2030										
	ONSITE	1.31	7.93	9.24	0.00	0.15	0.15	0.00	0.15	0.15
	OFFSITE	1.74	6.19	7.93	8.02	0.05	8.08	2.14	0.05	2.19
	TOTAL	3.05	14.12	17.17	8.02	0.20	8.22	2.14	0.20	2.34
Residential - Arch Coating - 2024										
	ONSITE	37.19	1.22	38.41	0.00	0.06	0.06	0.00	0.06	0.06
	OFFSITE	0.44	0.28	0.72	1.46	0.01	1.47	0.39	0.01	0.39
	TOTAL	37.63	1.49	39.13	1.46	0.07	1.53	0.39	0.07	0.46
Residential - Arch Coating - 2025										
	ONSITE	37.18	1.15	38.33	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE	0.42	0.25	0.66	1.46	0.01	1.47	0.39	0.01	0.39
	TOTAL	37.60	1.39	38.99	1.46	0.06	1.52	0.39	0.06	0.45
Residential - Arch Coating - 2026										
	ONSITE	37.18	1.15	38.33	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE	0.39	0.22	0.62	1.46	0.01	1.47	0.39	0.01	0.39
	TOTAL	37.58	1.37	38.95	1.46	0.06	1.52	0.39	0.06	0.45
Residential - Arch Coating - 2027										
	ONSITE	37.18	1.15	38.33	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE	0.37	0.20	0.58	1.46	0.01	1.47	0.39	0.01	0.39
	TOTAL	37.56	1.35	38.91	1.46	0.06	1.52	0.39	0.06	0.44
Residential - Arch Coating - 2028										
	ONSITE	37.18	1.15	38.33	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE	0.36	0.19	0.54	1.46	0.01	1.47	0.39	0.00	0.39
	TOTAL	37.54	1.33	38.87	1.46	0.06	1.52	0.39	0.05	0.44
Residential - Arch Coating - 2029										
	ONSITE	37.18	1.15	38.33	0.00	0.05	0.05	0.00	0.05	0.05

	OFFSITE	0.34	0.17	0.51	1.46	0.01	1.47	0.39	0.00	0.39
	TOTAL	37.52	1.32	38.84	1.46	0.06	1.52	0.39	0.06	0.44
Residential - Arch Coating - 2030										
	ONSITE	37.14	0.86	38.00	0.00	0.02	0.02	0.00	0.02	0.02
	OFFSITE	0.32	0.16	0.48	1.46	0.00	1.47	0.39	0.00	0.39
	TOTAL	37.46	1.02	38.48	1.46	0.03	1.49	0.39	0.02	0.41
Residential - Paving - 2030										
	ONSITE	1.38	7.12	8.50	0.00	0.33	0.33	0.00	0.33	0.33
	OFFSITE	0.03	0.02	0.05	0.15	0.00	0.15	0.04	0.00	0.04
	TOTAL	1.42	7.14	8.55	0.15	0.33	0.48	0.04	0.33	0.37
Commercial & Educational - Building Construction - 2024										
	ONSITE	1.47	13.44	14.92	0.00	0.61	0.61	0.00	0.58	0.58
	OFFSITE	0.50	2.67	3.17	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	1.97	16.11	18.08	1.72	0.63	2.35	0.46	0.60	1.06
Commercial & Educational - Building Construction - 2025										
	ONSITE	1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE	0.47	2.59	3.06	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	1.84	15.06	16.90	1.72	0.55	2.26	0.46	0.52	0.98
Commercial & Educational - Building Construction - 2026										
	ONSITE	1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE	0.45	2.52	2.97	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	1.82	14.99	16.81	1.72	0.55	2.26	0.46	0.51	0.98
Commercial & Educational - Building Construction - 2027										
	ONSITE	1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE	0.43	2.45	2.88	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	1.80	14.92	16.72	1.72	0.55	2.26	0.46	0.51	0.98
Commercial & Educational - Building Construction - 2028										
	ONSITE	1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE	0.41	2.39	2.80	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	1.78	14.86	16.64	1.72	0.55	2.26	0.46	0.51	0.98
Commercial & Educational - Building Construction - 2029										
	ONSITE	1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE	0.39	2.33	2.72	1.72	0.02	1.73	0.46	0.02	0.48
	TOTAL	1.76	14.80	16.56	1.72	0.54	2.26	0.46	0.51	0.97
Commercial & Educational - Arch Coating - 2024										
	ONSITE	2.45	1.22	3.67	0.00	0.06	0.06	0.00	0.06	0.06
	OFFSITE	0.09	0.05	0.14	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	2.54	1.27	3.81	0.29	0.06	0.35	0.08	0.06	0.14
Commercial & Educational - Arch Coating - 2025										
	ONSITE	2.44	1.15	3.59	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE	0.08	0.05	0.13	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	2.53	1.19	3.72	0.29	0.05	0.34	0.08	0.05	0.13
Commercial & Educational - Arch Coating - 2026										
	ONSITE	2.44	1.15	3.59	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE	0.08	0.04	0.12	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	2.52	1.19	3.71	0.29	0.05	0.34	0.08	0.05	0.13
Commercial & Educational - Arch Coating - 2027										
	ONSITE	2.44	1.15	3.59	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE	0.07	0.04	0.11	2.87	0.00	0.29	0.08	0.00	0.08
	TOTAL	2.52	1.19	3.70	2.87	0.05	0.34	0.08	0.05	0.13
Commercial & Educational - Arch Coating - 2028										
	ONSITE	2.44	1.15	3.59	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE	0.07	0.04	0.11	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	2.51	1.18	3.70	0.29	0.05	0.34	0.08	0.05	0.13
Commercial & Educational - Arch Coating - 2029										
	ONSITE	2.44	1.15	3.59	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE	0.07	0.03	0.10	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	2.51	1.18	3.69	0.29	0.05	0.34	0.08	0.05	0.13
Commercial & Educational - Paving - 2029										

	ONSITE	1.59	8.58	10.17	0.00	0.42	0.42	0.00	0.39	0.39
	OFFSITE	0.03	0.02	0.05	0.15	0.00	0.15	0.04	0.00	0.04
	TOTAL	1.62	8.60	10.22	0.15	0.42	0.57	0.04	0.39	0.42
Hotel - Building Construction - 2026										
	ONSITE	1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE	0.08	0.41	0.49	0.29	0.00	0.30	0.08	0.00	0.08
	TOTAL	1.45	12.88	14.33	0.29	0.53	0.82	0.08	0.50	0.58
Hotel - Paving - 2026										
	ONSITE	0.82	7.53	8.35	0.00	0.35	0.35	0.00	0.33	0.33
	OFFSITE	0.05	0.03	0.08	0.20	0.00	0.20	0.05	0.00	0.05
	TOTAL	0.87	7.56	8.44	0.20	0.35	0.55	0.05	0.33	0.38
Hotel - Arch Coating - 2026										
	ONSITE	77.42	1.15	78.57	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE	0.01	0.01	0.02	0.05	0.00	0.05	0.01	0.00	0.01
	TOTAL	77.43	1.15	78.59	0.05	0.05	0.10	0.01	0.05	0.06

DAILY EMISSIONS SUMMARY Unmitigated (LBS)

CONSTRUCTION ACTIVITY	ROG	NOX	ROG+NOX	PM10			PM2.5			
				FUG	EXH	TOTAL	FUG	EXH	TOTAL	
WINTER										
Residential - DEMOLITION - 2023										
	ONSITE	2.27	21.48	23.75	0.00	1.00	1.00	0.00	0.93	0.93
	OFFSITE	0.05	0.04	0.09	0.15	0.00	0.15	0.09	0.00	0.04
	TOTAL	2.32	21.52	23.84	0.15	1.00	1.15	0.09	0.93	0.97
Residential - SITE PREPARATION - 2023										
	ONSITE	2.66	27.52	30.18	19.66	1.27	20.92	10.10	1.16	11.27
	OFFSITE	0.06	0.04	0.11	0.19	0.00	0.18	0.05	0.00	0.05
	TOTAL	2.72	27.57	30.29	19.84	1.27	21.10	10.15	1.17	11.32
Residential - Grading - 2023										
	ONSITE	3.32	34.52	37.84	9.20	1.42	10.63	3.65	1.31	4.96
	OFFSITE	0.07	0.05	0.12	0.20	0.00	0.20	0.05	0.00	0.05
	TOTAL	3.39	34.56	37.95	9.40	1.43	10.83	3.71	1.31	5.02
Residential - BUILDING CONSTRUCTION - 2024										
	ONSITE	1.42	13.44	14.86	0.00	0.61	0.61	0.00	0.58	0.58
	OFFSITE	2.60	7.82	10.42	8.02	0.07	8.09	2.15	0.06	2.21
	TOTAL	4.02	21.27	25.28	8.02	0.68	8.70	2.15	0.64	2.79
Residential - BUILDING CONSTRUCTION - 2025										
	ONSITE	1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE	2.47	7.53	10.00	8.02	0.07	8.09	2.14	0.06	2.21
	TOTAL	3.84	20.00	23.84	8.02	0.59	8.62	2.14	0.56	2.70
Residential - BUILDING CONSTRUCTION - 2026										
	ONSITE	1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE	2.35	7.27	9.62	8.02	0.06	8.09	2.14	0.06	2.20
	TOTAL	3.72	19.74	23.46	8.02	0.59	8.61	2.14	0.56	2.70
Residential - BUILDING CONSTRUCTION - 2027										
	ONSITE	1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE	2.25	7.04	9.29	8.02	0.06	8.08	2.14	0.06	2.20
	TOTAL	3.62	19.51	23.13	8.02	0.59	8.61	2.14	0.55	2.70
Residential - BUILDING CONSTRUCTION - 2028										
	ONSITE	1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE	2.14	6.84	8.97	8.02	0.06	8.08	2.14	0.06	2.20
	TOTAL	3.50	19.31	22.81	8.02	0.59	8.61	2.14	0.55	2.70
Residential - BUILDING CONSTRUCTION - 2029										
	ONSITE	1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE	2.03	6.65	8.68	8.02	0.06	8.08	2.14	0.05	2.20
	TOTAL	3.40	19.12	22.51	8.02	0.58	8.61	2.14	0.55	2.69
Residential - BUILDING CONSTRUCTION - 2030										
	ONSITE	1.31	7.93	9.24	0.00	0.15	0.15	0.00	0.15	0.15
	OFFSITE	1.93	6.49	8.42	8.02	0.05	8.08	2.14	0.05	2.19
	TOTAL	3.24	14.43	17.67	8.02	0.20	8.22	2.14	0.20	2.34
Residential - Arch Coating - 2024										
	ONSITE	37.19	1.22	38.41	0.00	0.06	0.06	0.00	0.06	0.06
	OFFSITE	0.49	0.31	0.80	1.46	0.01	1.47	0.39	0.01	0.39
	TOTAL	37.68	1.53	39.21	1.46	0.07	1.53	0.39	0.07	0.46
Residential - Arch Coating - 2025										
	ONSITE	37.18	1.15	38.33	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE	0.46	0.28	0.74	1.46	0.01	1.47	0.39	0.01	0.39
	TOTAL	37.65	1.43	39.07	1.46	0.06	1.52	0.39	0.06	0.45
Residential - Arch Coating - 2026										
	ONSITE	37.18	1.15	38.33	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE	0.44	0.26	0.69	1.46	0.01	1.47	0.39	0.01	0.39
	TOTAL	37.62	1.40	39.02	1.46	0.06	1.52	0.39	0.06	0.45
Residential - Arch Coating - 2027										
	ONSITE	37.18	1.15	38.33	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE	0.42	0.23	0.65	1.46	0.01	1.47	0.39	0.01	0.39
	TOTAL	37.60	1.38	38.98	1.46	0.06	1.52	0.39	0.06	0.44
Residential - Arch Coating - 2028										
	ONSITE	37.18	1.15	38.33	0.00	0.05	0.05	0.00	0.05	0.02
	OFFSITE	0.40	0.21	0.61	1.46	0.01	1.47	0.39	0.00	0.39
	TOTAL	37.58	1.36	38.94	1.46	0.06	1.52	0.39	0.06	0.41
Residential - Arch Coating - 2029										
	ONSITE	37.18	1.15	38.33	0.00	0.05	0.05	0.00	0.05	0.05

	OFFSITE	0.38	0.20	0.57	1.46	0.01	1.47	0.39	0.00	0.39
	TOTAL	37.56	1.34	38.90	1.46	0.06	1.52	0.39	0.06	0.44
Residential - Arch Coating - 2030										
	ONSITE	37.14	0.86	38.00	0.00	0.02	0.02	0.00	0.02	0.02
	OFFSITE	0.36	0.18	0.54	1.46	0.00	1.47	0.39	0.00	0.39
	TOTAL	37.50	1.04	38.54	1.46	0.02	1.49	0.39	0.02	0.41
Residential - Paving - 2030										
	ONSITE	1.38	7.12	8.50	0.00	0.33	0.33	0.00	0.33	0.33
	OFFSITE	0.04	0.02	0.05	0.15	0.00	0.15	0.04	0.00	0.04
	TOTAL	1.42	7.14	8.56	0.15	0.33	0.48	0.04	0.33	0.37
Commercial & Educational - Building Construction - 2024										
	ONSITE	1.47	13.44	14.92	0.00	0.61	0.61	0.00	0.58	0.58
	OFFSITE	0.55	2.79	3.33	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	2.02	16.23	18.25	1.72	0.63	2.35	0.46	0.60	1.06
Commercial & Educational - Building Construction - 2025										
	ONSITE	1.40	12.47	13.87	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE	0.52	2.70	3.22	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	1.92	15.17	17.09	1.72	0.55	2.26	0.46	0.52	0.98
Commercial & Educational - Building Construction - 2026										
	ONSITE	1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE	0.49	2.63	3.12	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	1.86	15.10	16.96	1.72	0.55	2.26	0.46	0.51	0.98
Commercial & Educational - Building Construction - 2027										
	ONSITE	1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE	0.47	2.55	3.03	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	1.84	15.02	16.86	1.72	0.55	2.26	0.46	0.51	0.98
Commercial & Educational - Building Construction - 2028										
	ONSITE	1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE	0.45	2.49	2.94	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	1.82	14.96	16.78	1.72	0.55	2.26	0.46	0.51	0.98
Commercial & Educational - Building Construction - 2029										
	ONSITE	1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE	0.43	2.44	2.86	1.72	0.02	1.73	0.46	0.02	0.48
	TOTAL	1.80	14.90	16.70	1.72	0.54	2.26	0.46	0.51	0.97
Commercial & Educational - Arch Coating - 2024										
	ONSITE	2.45	1.22	3.67	0.00	0.06	0.06	0.00	0.06	0.06
	OFFSITE	0.10	0.06	0.16	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	2.55	1.28	3.83	0.29	0.06	0.35	0.08	0.06	0.14
Commercial & Educational - Arch Coating - 2025										
	ONSITE	2.44	1.15	3.59	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE	0.09	0.06	0.15	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	2.53	1.20	3.73	0.29	0.05	0.34	0.08	0.05	0.13
Commercial & Educational - Arch Coating - 2026										
	ONSITE	2.44	1.15	3.59	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE	0.09	0.05	0.14	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	2.53	1.20	3.73	0.29	0.05	0.34	0.08	0.05	0.13
Commercial & Educational - Arch Coating - 2027										
	ONSITE	2.44	1.15	3.59	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE	0.08	0.05	0.13	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	2.53	1.19	3.72	0.29	0.05	0.34	0.08	0.05	0.13
Commercial & Educational - Arch Coating - 2028										
	ONSITE	2.44	1.15	3.59	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE	0.08	0.04	0.12	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	2.52	1.19	3.71	0.29	0.05	0.34	0.08	0.05	0.13
Commercial & Educational - Arch Coating - 2029										
	ONSITE	2.44	1.15	3.59	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE	0.07	0.04	0.11	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	2.52	1.18	3.70	0.29	0.05	0.34	0.08	0.05	0.13
Commercial & Educational - Paving - 2029										

	ONSITE	1.59	8.58	10.17	0.00	0.42	0.42	0.00	0.39	0.39
	OFFSITE	0.04	0.02	0.06	0.15	0.00	0.15	0.04	0.00	0.04
	TOTAL	1.63	8.60	10.23	0.15	0.42	0.57	0.04	0.39	0.42
Hotel - Building Construction - 2026										
	ONSITE	1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE	0.08	0.43	0.52	0.29	0.00	0.40	0.08	0.00	0.08
	TOTAL	1.45	12.90	14.35	0.29	0.53	0.92	0.08	0.50	0.58
Hotel - Paving - 2026										
	ONSITE	0.82	7.53	8.35	0.00	0.35	0.35	0.00	0.33	0.33
	OFFSITE	0.06	0.03	0.09	0.20	0.00	0.20	0.05	0.00	0.05
	TOTAL	0.88	7.57	8.45	0.20	0.35	0.55	0.05	0.33	0.38
Hotel - Arch Coating - 2026										
	ONSITE	77.42	1.15	78.57	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE	0.01	0.01	0.02	0.05	0.00	0.05	0.01	0.00	0.01
	TOTAL	77.44	1.15	78.59	0.05	0.05	0.10	0.01	0.05	0.06

EMISSIONS SUMMARY (LBS/DAY)

CONSTRUCTION ACTIVITY	QUARTER	DAYS/ QUARTER	EMISSIONS (LBS/DAY)									
			ROG	NOX	ROG+NOX	PM10			PM2.5			
						FUG	EXH	TOTAL	FUG	EXH	TOTAL	
LBS/DAY BY QUARTER												
DEMOLITON - 2023												
	ONSITE			2.27	21.48	23.75	0.00	1.00	1.00	0.00	0.93	0.93
	OFFSITE			0.05	0.04	0.09	0.15	0.00	0.15	0.09	0.00	0.04
	TOTAL	2023 - Q1	62	2.32	21.52	23.84	0.15	1.00	1.15	0.09	0.93	0.97
DEMOLITON - 2023												
	ONSITE			2.27	21.48	23.75	0.00	1.00	1.00	0.00	0.93	0.93
	OFFSITE			0.05	0.03	0.08	0.15	0.00	0.04	0.04	0.00	0.04
	TOTAL	2023 - Q2	46	2.32	21.52	23.83	0.15	1.00	1.04	0.04	0.93	0.97
Site Prep - 2023												
	ONSITE			2.66	27.52	30.18	19.66	1.27	20.92	10.10	1.16	11.27
	OFFSITE			0.06	0.04	0.11	0.19	0.00	0.18	0.05	0.00	0.05
	TOTAL	2023 - Q1	45	2.72	27.57	30.29	19.84	1.27	21.10	10.15	1.17	11.32
Site Prep - 2023												
	ONSITE			2.66	27.52	30.18	19.66	1.27	20.92	10.10	1.16	11.27
	OFFSITE			0.06	0.04	0.09	0.18	0.00	0.18	0.05	0.00	0.05
	TOTAL	2023 - Q2	63	2.72	27.56	30.28	19.84	1.27	21.10	10.15	1.17	11.32
Grading - 2023												
	ONSITE			3.32	34.52	37.84	9.20	1.42	10.63	3.65	1.31	4.96
	OFFSITE			0.06	0.04	0.11	0.20	0.00	0.20	0.05	0.00	0.05
	TOTAL	2023 - Q3	63	3.38	34.56	37.94	9.40	1.43	10.83	3.71	1.31	5.02
Grading - 2023												
	Onsite			3.32	34.52	37.84	9.20	1.42	10.63	3.65	1.31	4.96
	Offsite			0.07	0.05	0.12	0.20	0.00	0.20	0.05	0.00	0.05
	Total	2023 - Q4	62	3.39	34.56	37.95	9.40	1.43	10.83	3.71	1.31	5.02
Building Construction - 2024												
	ONSITE			1.42	13.44	14.86	0.00	0.61	0.61	0.00	0.58	0.58
	OFFSITE			2.60	7.82	10.42	8.02	0.07	8.09	2.15	0.06	2.21
	TOTAL	2024 - Q1	62	4.02	21.27	25.28	8.02	0.68	8.70	2.15	0.64	2.79
Building Construction - 2024												
	ONSITE			1.47	13.44	14.92	0.00	0.61	0.61	0.00	0.58	0.58
	OFFSITE			2.37	7.43	9.80	8.02	0.07	8.09	2.14	0.06	2.21
	TOTAL	2024 - Q2	63	3.84	20.87	24.72	8.02	0.68	8.70	2.14	0.64	2.79

Building Construction - 2024												
	ONSITE			1.47	13.44	14.92	0.00	0.61	0.61	0.00	0.58	0.58
	OFFSITE			2.37	7.43	9.80	8.02	0.07	8.09	2.14	0.06	2.21
	TOTAL	2024 - Q3	63	3.84	20.87	24.72	8.02	0.68	8.70	2.14	0.64	2.79
Building Construction - 2024												
	ONSITE			1.42	13.44	14.86	0.00	0.61	0.61	0.00	0.58	0.58
	OFFSITE			2.60	7.82	10.42	8.02	0.07	8.09	2.15	0.06	2.21
	TOTAL	2024 - Q4	62	4.02	21.27	25.28	8.02	0.68	8.70	2.15	0.64	2.79
Building Construction - 2025												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			2.47	7.53	10.00	8.02	0.07	8.09	2.14	0.06	2.21
	TOTAL	2025 - Q1	62	3.84	20.00	23.84	8.02	0.59	8.62	2.14	0.56	2.70
Building Construction - 2025												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			2.25	7.16	9.41	8.02	0.07	8.09	2.14	0.06	2.21
	TOTAL	2025 - Q2	63	3.61	19.63	23.24	8.02	0.59	8.62	2.14	0.56	2.70
Building Construction - 2025												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			2.25	7.16	9.41	8.02	0.07	8.09	2.14	0.06	2.21
	TOTAL	2025 - Q3	63	3.61	19.63	23.24	8.02	0.59	8.62	2.14	0.56	2.70
Building Construction - 2025												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			2.47	7.53	10.00	8.02	0.07	8.09	2.14	0.06	2.21
	TOTAL	2025 - Q4	62	3.84	20.00	23.84	8.02	0.59	8.62	2.14	0.56	2.70
Building Construction - 2026												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			2.35	7.27	9.62	8.02	0.06	8.09	2.14	0.06	2.20
	TOTAL	2026 - Q1	62	3.72	19.74	23.46	8.02	0.59	8.61	2.14	0.56	2.70
Building Construction - 2026												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			2.14	6.92	9.05	8.02	0.06	8.09	2.14	0.06	2.20
	TOTAL	2026 - Q2	63	3.50	19.39	22.89	8.02	0.59	8.61	2.14	0.56	2.70
Building Construction - 2026												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			2.14	6.92	9.05	8.02	0.06	8.09	2.14	0.06	2.20
	TOTAL	2026 - Q3	63	3.50	19.39	22.89	8.02	0.59	8.61	2.14	0.56	2.70
Building Construction - 2026												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			2.35	7.27	9.62	8.02	0.06	8.09	2.14	0.06	2.20
	TOTAL	2026 - Q4	62	3.72	19.74	23.46	8.02	0.59	8.61	2.14	0.56	2.70
Building Construction - 2027												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			2.25	7.04	9.29	8.02	0.06	8.08	2.14	0.06	2.20
	TOTAL	2027 - Q1	62	3.62	19.51	23.13	8.02	0.59	8.61	2.14	0.55	2.70
Building Construction - 2027												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			2.03	6.70	8.73	8.02	0.06	8.08	2.14	0.06	2.20
	TOTAL	2027 - Q2	63	3.40	19.17	22.57	8.02	0.59	8.61	2.14	0.55	2.70
Building Construction - 2027												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			2.03	6.70	8.73	8.02	0.06	8.08	2.14	0.06	2.20
	TOTAL	2027 - Q3	63	3.40	19.17	22.57	8.02	0.59	8.61	2.14	0.55	2.70
Building Construction - 2027												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			2.25	7.04	9.29	8.02	0.06	8.08	2.14	0.06	2.20
	TOTAL	2027 - Q4	62	3.62	19.51	23.13	8.02	0.59	8.61	2.14	0.55	2.70
Building Construction - 2028												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			2.14	6.84	8.97	8.02	0.06	8.08	2.14	0.06	2.20
	TOTAL	2028 - Q1	62	3.50	19.31	22.81	8.02	0.59	8.61	2.14	0.55	2.70
Building Construction - 2028												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			1.93	6.51	8.44	8.02	0.06	8.08	2.14	0.06	2.20
	TOTAL	2028 - Q2	63	3.30	18.98	22.28	8.02	0.59	8.61	2.14	0.55	2.70
Building Construction - 2028												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			1.93	6.51	8.44	8.02	0.06	8.08	2.14	0.06	2.20

	TOTAL	2028 - Q3	63	3.30	18.98	22.28	8.02	0.59	8.61	2.14	0.55	2.70
Building Construction - 2028												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			2.14	6.84	8.97	8.02	0.06	8.08	2.14	0.06	2.20
	TOTAL	2028 - Q4	62	3.50	19.31	22.81	8.02	0.59	8.61	2.14	0.55	2.70
Building Construction - 2029												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			2.03	6.65	8.68	8.02	0.06	8.08	2.14	0.05	2.20
	TOTAL	2029 - Q1	62	3.40	19.12	22.51	8.02	0.58	8.61	2.14	0.55	2.69
Building Construction - 2029												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.54	0.00	0.50	0.50
	OFFSITE			1.83	6.33	8.16	8.02	0.06	8.08	2.14	0.05	2.20
	TOTAL	2029 - Q2	63	3.20	18.80	22.00	8.02	0.58	8.62	2.14	0.55	2.69
Building Construction - 2029												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.54	0.00	0.50	0.50
	OFFSITE			1.83	6.33	8.16	8.02	0.06	8.08	2.14	0.05	2.20
	TOTAL	2029 - Q3	63	3.20	18.80	22.00	8.02	0.58	8.62	2.14	0.55	2.69
Building Construction - 2029												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			2.03	6.65	8.68	8.02	0.06	8.08	2.14	0.05	2.20
	TOTAL	2029 - Q4	62	3.40	19.12	22.51	8.02	0.58	8.61	2.14	0.55	2.69
Building Construction - 2030												
	ONSITE			1.31	7.93	9.24	0.00	0.15	0.15	0.00	0.15	0.15

	OFFSITE			1.93	6.49	8.42	8.02	0.05	8.08	2.14	0.05	2.19
	TOTAL	2030 - Q1	62	3.24	14.43	17.67	8.02	0.20	8.22	2.14	0.20	2.34
Building Construction - 2030												
	ONSITE			1.31	7.93	9.24	0.00	0.15	0.15	0.00	0.15	0.15
	OFFSITE			1.74	6.19	7.93	8.02	0.05	8.08	2.14	0.05	2.19
	TOTAL	2030 - Q2	63	3.05	14.12	17.17	8.02	0.20	8.22	2.14	0.20	2.34
Building Construction - 2030												
	ONSITE			1.31	7.93	9.24	0.00	0.15	0.15	0.00	0.15	0.15
	OFFSITE			1.74	6.19	7.93	8.02	0.05	8.08	2.14	0.05	2.19
	TOTAL	2030 - Q3	63	3.05	14.12	17.17	8.02	0.20	8.22	2.14	0.20	2.34
Building Construction - 2030												
	ONSITE			1.31	7.93	9.24	0.00	0.15	0.15	0.00	0.15	0.15
	OFFSITE			1.93	6.49	8.42	8.02	0.05	8.08	2.14	0.05	2.19
	TOTAL	2030 - Q4	62	3.24	14.43	17.67	8.02	0.20	8.22	2.14	0.20	2.34
Arch Coating - 2024												
	ONSITE			37.19	1.22	38.41	0.00	0.06	0.06	0.00	0.06	0.06
	OFFSITE			0.49	0.31	0.80	1.46	0.01	1.47	0.39	0.01	0.39
	TOTAL	2024 - Q1	23	37.68	1.53	39.21	1.46	0.07	1.53	0.39	0.07	0.46
Arch Coating - 2024												
	ONSITE			37.19	1.22	38.41	0.00	0.06	0.06	0.00	0.06	0.06
	OFFSITE			0.44	0.28	0.72	1.46	0.01	1.47	0.39	0.01	0.39
	TOTAL	2024 - Q2	63	37.63	1.49	39.13	1.46	0.07	1.53	0.39	0.07	0.46
Arch Coating - 2024												
	ONSITE			37.19	1.22	38.41	0.00	0.06	0.06	0.00	0.06	0.06
	OFFSITE			0.44	0.28	0.72	1.46	0.01	1.47	0.39	0.01	0.39
	TOTAL	2024 - Q3	63	37.63	1.49	39.13	1.46	0.07	1.53	0.39	0.07	0.46
Arch Coating - 2024												
	ONSITE			37.19	1.22	38.41	0.00	0.06	0.06	0.00	0.06	0.06
	OFFSITE			0.49	0.31	0.80	1.46	0.01	1.47	0.39	0.01	0.39
	TOTAL	2024 - Q4	62	37.68	1.53	39.21	1.46	0.07	1.53	0.39	0.07	0.46
Arch Coating - 2025												
	ONSITE			37.18	1.15	38.33	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE			0.46	0.28	0.74	1.46	0.01	1.47	0.39	0.01	0.39
	TOTAL	2025 - Q1	62	37.65	1.43	39.07	1.46	0.06	1.52	0.39	0.06	0.45
Arch Coating - 2025												
	ONSITE			37.18	1.15	38.33	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE			0.42	0.25	0.66	1.46	0.01	1.47	0.39	0.01	0.39
	TOTAL	2025 - Q2	63	37.60	1.39	38.99	1.46	0.06	1.52	0.39	0.06	0.45
Arch Coating - 2025												
	ONSITE			37.18	1.15	38.33	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE			0.42	0.25	0.66	1.46	0.01	1.47	0.39	0.01	0.39
	TOTAL	2025 - Q3	63	37.60	1.39	38.99	1.46	0.06	1.52	0.39	0.06	0.45
Arch Coating - 2025												
	ONSITE			37.18	1.15	38.33	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE			0.46	0.28	0.74	1.46	0.01	1.47	0.39	0.01	0.39
	TOTAL	2025 - Q4	62	37.65	1.43	39.07	1.46	0.06	1.52	0.39	0.06	0.45
Arch Coating - 2026												
	ONSITE			37.18	1.15	38.33	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE			0.44	0.26	0.69	1.46	0.01	1.47	0.39	0.01	0.39
	TOTAL	2026 - Q1	62	37.62	1.40	39.02	1.46	0.06	1.52	0.39	0.06	0.45
Arch Coating - 2026												
	ONSITE			37.18	1.15	38.33	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE			0.39	0.22	0.62	1.46	0.01	1.47	0.39	0.01	0.39
	TOTAL	2026 - Q2	63	37.58	1.37	38.95	1.46	0.06	1.52	0.39	0.06	0.45
Arch Coating - 2026												
	ONSITE			37.18	1.15	38.33	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE			0.39	0.22	0.62	1.46	0.01	1.47	0.39	0.01	0.39
	TOTAL	2026 - Q3	63	37.58	1.37	38.95	1.46	0.06	1.52	0.39	0.06	0.45
Arch Coating - 2026												
	ONSITE			37.18	1.15	38.33	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE			0.44	0.26	0.69	1.46	0.01	1.47	0.39	0.01	0.39
	TOTAL	2026 - Q4	62	37.62	1.40	39.02	1.46	0.06	1.52	0.39	0.06	0.45
Arch Coating - 2027												
	ONSITE			37.18	1.15	38.33	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE			0.42	0.23	0.65	1.46	0.01	1.47	0.39	0.01	0.39
	TOTAL	2027 - Q1	62	37.60	1.38	38.98	1.46	0.06	1.52	0.39	0.06	0.44
Arch Coating - 2027												
	ONSITE			37.18	1.15	38.33	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE			0.37	0.20	0.58	1.46	0.01	1.47	0.39	0.01	0.39
	TOTAL	2027 - Q2	63	37.56	1.35	38.91	1.46	0.06	1.52	0.39	0.06	0.44

Arch Coating - 2027												
	ONSITE			37.18	1.15	38.33	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE			0.37	0.20	0.58	1.46	0.01	1.47	0.39	0.01	0.39
	TOTAL	2027 - Q3	63	37.56	1.35	38.91	1.46	0.06	1.52	0.39	0.06	0.44
Arch Coating - 2027												
	ONSITE			37.18	1.15	38.33	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE			0.42	0.23	0.65	1.46	0.01	1.47	0.39	0.01	0.39
	TOTAL	2027 - Q4	62	37.60	1.38	38.98	1.46	0.06	1.52	0.39	0.06	0.44
Arch Coating - 2028												
	ONSITE			37.18	1.15	38.33	0.00	0.05	0.05	0.00	0.05	0.02
	OFFSITE			0.40	0.21	0.61	1.46	0.01	1.47	0.39	0.00	0.39
	TOTAL	2028 - Q1	62	37.58	1.36	38.94	1.46	0.06	1.52	0.39	0.06	0.41
Arch Coating - 2028												
	ONSITE			37.18	1.15	38.33	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE			0.36	0.19	0.54	1.46	0.01	1.47	0.39	0.00	0.39
	TOTAL	2028 - Q2	63	37.54	1.33	38.87	1.46	0.06	1.52	0.39	0.05	0.44
Arch Coating - 2028												
	ONSITE			37.18	1.15	38.33	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE			0.36	0.19	0.54	1.46	0.01	1.47	0.39	0.00	0.39
	TOTAL	2028 - Q3	63	37.54	1.33	38.87	1.46	0.06	1.52	0.39	0.05	0.44
Arch Coating - 2028												
	ONSITE			37.18	1.15	38.33	0.00	0.05	0.05	0.00	0.05	0.02
	OFFSITE			0.40	0.21	0.61	1.46	0.01	1.47	0.39	0.00	0.39
	TOTAL	2028 - Q4	62	37.58	1.36	38.94	1.46	0.06	1.52	0.39	0.06	0.41
Arch Coating - 2029												
	ONSITE			37.18	1.15	38.33	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE			0.38	0.20	0.57	1.46	0.01	1.47	0.39	0.00	0.39
	TOTAL	2029 - Q1	62	37.56	1.34	38.90	1.46	0.06	1.52	0.39	0.06	0.44
Arch Coating - 2029												
	ONSITE			37.18	1.15	38.33	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE			0.34	0.17	0.51	1.46	0.01	1.47	0.39	0.00	0.39
	TOTAL	2029 - Q2	63	37.52	1.32	38.84	1.46	0.06	1.52	0.39	0.06	0.44
Arch Coating - 2029												
	ONSITE			37.18	1.15	38.33	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE			0.34	0.17	0.51	1.46	0.01	1.47	0.39	0.00	0.39
	TOTAL	2029 - Q3	63	37.52	1.32	38.84	1.46	0.06	1.52	0.39	0.06	0.44
Arch Coating - 2029												
	ONSITE			37.18	1.15	38.33	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE			0.38	0.20	0.57	1.46	0.01	1.47	0.39	0.00	0.39
	TOTAL	2029 - Q4	62	37.56	1.34	38.90	1.46	0.06	1.52	0.39	0.06	0.44
Arch Coating - 2030												
	ONSITE			37.14	0.86	38.00	0.00	0.02	0.02	0.00	0.02	0.02
	OFFSITE			0.36	0.18	0.54	1.46	0.00	1.47	0.39	0.00	0.39
	TOTAL	2030 - Q1	62	37.50	1.04	38.54	1.46	0.02	1.49	0.39	0.02	0.41
Arch Coating - 2030												
	ONSITE			37.14	0.86	38.00	0.00	0.02	0.02	0.00	0.02	0.02
	OFFSITE			0.32	0.16	0.48	1.46	0.00	1.47	0.39	0.00	0.39
	TOTAL	2030 - Q2	63	37.46	1.02	38.48	1.46	0.03	1.49	0.39	0.02	0.41
Arch Coating - 2030												
	ONSITE			37.14	0.86	38.00	0.00	0.02	0.02	0.00	0.02	0.02
	OFFSITE			0.32	0.16	0.48	1.46	0.00	1.47	0.39	0.00	0.39
	TOTAL	2030 - Q3	63	37.46	1.02	38.48	1.46	0.03	1.49	0.39	0.02	0.41
Arch Coating - 2030												
	ONSITE			37.14	0.86	38.00	0.00	0.02	0.02	0.00	0.02	0.02
	OFFSITE			0.36	0.18	0.54	1.46	0.00	1.47	0.39	0.00	0.39
	TOTAL	2030 - Q4	62	37.50	1.04	38.54	1.46	0.02	1.49	0.39	0.02	0.41
Paving - 2030												
	ONSITE			1.38	7.12	8.50	0.00	0.33	0.33	0.00	0.33	0.33
	OFFSITE			0.04	0.02	0.05	0.15	0.00	0.15	0.04	0.00	0.04
	TOTAL	2030 - Q1	42	1.42	7.14	8.56	0.15	0.33	0.48	0.04	0.33	0.37
Paving - 2030												
	ONSITE			1.38	7.12	8.50	0.00	0.33	0.33	0.00	0.33	0.33
	OFFSITE			0.03	0.02	0.05	0.15	0.00	0.15	0.04	0.00	0.04

	TOTAL	2030 - Q2	63	1.42	7.14	8.55	0.15	0.33	0.48	0.04	0.33	0.37
Paving - 2030												
	ONSITE			1.38	7.12	8.50	0.00	0.33	0.33	0.00	0.33	0.33
	OFFSITE			0.03	0.02	0.05	0.15	0.00	0.15	0.04	0.00	0.04
	TOTAL	2030 - Q3	63	1.42	7.14	8.55	0.15	0.33	0.48	0.04	0.33	0.37
Paving - 2030												
	ONSITE			1.38	7.12	8.50	0.00	0.33	0.33	0.00	0.33	0.33
	OFFSITE			0.04	0.02	0.05	0.15	0.00	0.15	0.04	0.00	0.04
	TOTAL	2030 - Q4	42	1.42	7.14	8.56	0.15	0.33	0.48	0.04	0.33	0.37
Commercial and Educational - Building construction - 2024												
	ONSITE			1.47	13.44	14.92	0.00	0.61	0.61	0.00	0.58	0.58
	OFFSITE			0.55	2.79	3.33	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	2024 - Q1	62	2.02	16.23	18.25	1.72	0.63	2.35	0.46	0.60	1.06
Commercial and Educational - Building construction - 2024												
	ONSITE			1.47	13.44	14.92	0.00	0.61	0.61	0.00	0.58	0.58
	OFFSITE			0.50	2.67	3.17	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	2024 - Q2	63	1.97	16.11	18.08	1.72	0.63	2.35	0.46	0.60	1.06
Commercial and Educational - Building construction - 2024												
	ONSITE			1.47	13.44	14.92	0.00	0.61	0.61	0.00	0.58	0.58
	OFFSITE			0.50	2.67	3.17	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	2024 - Q3	63	1.97	16.11	18.08	1.72	0.63	2.35	0.46	0.60	1.06
Commercial and Educational - Building construction - 2024												
	ONSITE			1.47	13.44	14.92	0.00	0.61	0.61	0.00	0.58	0.58
	OFFSITE			0.55	2.79	3.33	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	2024 - Q4	62	2.02	16.23	18.25	1.72	0.63	2.35	0.46	0.60	1.06
Commercial and Educational - Building construction - 2025												
	ONSITE			1.40	12.47	13.87	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			0.52	2.70	3.22	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	2025 - Q1	63	1.92	15.17	17.09	1.72	0.55	2.26	0.46	0.52	0.98
Commercial and Educational - Building construction - 2025												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			0.47	2.59	3.06	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	2025 - Q2	63	1.84	15.06	16.90	1.72	0.55	2.26	0.46	0.52	0.98
Commercial and Educational - Building construction - 2025												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			0.47	2.59	3.06	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	2025 - Q3	63	1.84	15.06	16.90	1.72	0.55	2.26	0.46	0.52	0.98
Commercial and Educational - Building construction - 2025												
	ONSITE			1.40	12.47	13.87	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			0.52	2.70	3.22	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	2025 - Q4	62	1.92	15.17	17.09	1.72	0.55	2.26	0.46	0.52	0.98
Commercial and Educational - Building construction - 2026												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			0.49	2.63	3.12	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	2026 - Q1	62	1.86	15.10	16.96	1.72	0.55	2.26	0.46	0.51	0.98
Commercial and Educational - Building construction - 2026												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			0.45	2.52	2.97	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	2026 - Q2	63	1.82	14.99	16.81	1.72	0.55	2.26	0.46	0.51	0.98
Commercial and Educational - Building construction - 2026												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			0.45	2.52	2.97	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	2026 - Q3	63	1.82	14.99	16.81	1.72	0.55	2.26	0.46	0.51	0.98
Commercial and Educational - Building construction - 2026												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			0.49	2.63	3.12	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	2026 - Q4	62	1.86	15.10	16.96	1.72	0.55	2.26	0.46	0.51	0.98
Commercial and Educational - Building construction - 2027												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50

	OFFSITE			0.47	2.55	3.03	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	2027 - Q1	62	1.84	15.02	16.86	1.72	0.55	2.26	0.46	0.51	0.98
Commercial and Educational - Building construction - 2027												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			0.43	2.45	2.88	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	2027 - Q2	63	1.80	14.92	16.72	1.72	0.55	2.26	0.46	0.51	0.98
Commercial and Educational - Building construction - 2027												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			0.43	2.45	2.88	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	2027 - Q3	63	1.80	14.92	16.72	1.72	0.55	2.26	0.46	0.51	0.98
Commercial and Educational - Building construction - 2027												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			0.47	2.55	3.03	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	2027 - Q4	62	1.84	15.02	16.86	1.72	0.55	2.26	0.46	0.51	0.98
Commercial and Educational - Building construction - 2028												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			0.45	2.49	2.94	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	2028 - Q1	62	1.82	14.96	16.78	1.72	0.55	2.26	0.46	0.51	0.98
Commercial and Educational - Building construction - 2028												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			0.41	2.39	2.80	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	2028 - Q2	63	1.78	14.86	16.64	1.72	0.55	2.26	0.46	0.51	0.98
Commercial and Educational - Building construction - 2028												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			0.41	2.39	2.80	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	2028 - Q3	63	1.78	14.86	16.64	1.72	0.55	2.26	0.46	0.51	0.98
Commercial and Educational - Building construction - 2028												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			0.45	2.49	2.94	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	2028 - Q4	62	1.82	14.96	16.78	1.72	0.55	2.26	0.46	0.51	0.98
Commercial and Educational - Building construction - 2029												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			0.43	2.44	2.86	1.72	0.02	1.73	0.46	0.02	0.48
	TOTAL	2029 - Q1	62	1.80	14.90	16.70	1.72	0.54	2.26	0.46	0.51	0.97
Commercial and Educational - Building construction - 2029												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			0.39	2.33	2.72	1.72	0.02	1.73	0.46	0.02	0.48
	TOTAL	2029 - Q2	63	1.76	14.80	16.56	1.72	0.54	2.26	0.46	0.51	0.97
Commercial and Educational - Building construction - 2029												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			0.39	2.33	2.72	1.72	0.02	1.73	0.46	0.02	0.48
	TOTAL	2029 - Q3	63	1.76	14.80	16.56	1.72	0.54	2.26	0.46	0.51	0.97
Commercial and Educational - Building construction - 2029												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			0.43	2.44	2.86	1.72	0.02	1.73	0.46	0.02	0.48
	TOTAL	2029 - Q4	42	1.80	14.90	16.70	1.72	0.54	2.26	0.46	0.51	0.97
Commercial and Educational - Arch Coating - 2024												
	ONSITE			2.45	1.22	3.67	0.00	0.06	0.06	0.00	0.06	0.06
	OFFSITE			0.09	0.05	0.14	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	2024 - Q2	63	2.54	1.27	3.81	0.29	0.06	0.35	0.08	0.06	0.14
Commercial and Educational - Arch Coating - 2024												
	ONSITE			2.45	1.22	3.67	0.00	0.06	0.06	0.00	0.06	0.06
	OFFSITE			0.09	0.05	0.14	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	2024 - Q3	63	2.54	1.27	3.81	0.29	0.06	0.35	0.08	0.06	0.14
Commercial and Educational - Arch Coating - 2024												
	ONSITE			2.45	1.22	3.67	0.00	0.06	0.06	0.00	0.06	0.06
	OFFSITE			0.10	0.06	0.16	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	2024 - Q4	62	2.55	1.28	3.83	0.29	0.06	0.35	0.08	0.06	0.14
Commercial and Educational - Arch Coating - 2025												

Commercial and Educational - Arch Coating - 2028												
	ONSITE			2.44	1.15	3.59	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE			0.08	0.04	0.12	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	2028 - Q4	62	2.52	1.19	3.71	0.29	0.05	0.34	0.08	0.05	0.13
Commercial and Educational - Arch Coating - 2029												
	ONSITE			2.44	1.15	3.59	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE			0.07	0.04	0.11	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	2029 - Q1	62	2.52	1.18	3.70	0.29	0.05	0.34	0.08	0.05	0.13
Commercial and Educational - Arch Coating - 2029												
	ONSITE			2.44	1.15	3.59	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE			0.07	0.03	0.10	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	2029 - Q2	63	2.51	1.18	3.69	0.29	0.05	0.34	0.08	0.05	0.13
Commercial and Educational - Arch Coating - 2029												
	ONSITE			2.44	1.15	3.59	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE			0.07	0.03	0.10	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	2029 - Q3	63	2.51	1.18	3.69	0.29	0.05	0.34	0.08	0.05	0.13
Commercial and Educational - Arch Coating - 2029												
	ONSITE			2.44	1.15	3.59	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE			0.07	0.04	0.11	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	2029 - Q4	62	2.52	1.18	3.70	0.29	0.05	0.34	0.08	0.05	0.13
Commercial and Educational - Paving - 2029												
	ONSITE			1.59	8.58	10.17	0.00	0.42	0.42	0.00	0.39	0.39
	OFFSITE			0.04	0.02	0.06	0.15	0.00	0.15	0.04	0.00	0.04
	TOTAL	2029 - Q4	20	1.63	8.60	10.23	0.15	0.42	0.57	0.04	0.39	0.42
Hotel - Building Construction - 2026												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			0.08	0.43	0.52	0.29	0.00	0.40	0.08	0.00	0.08
	TOTAL	2026 - Q1	62	1.45	12.90	14.35	0.29	0.53	0.92	0.08	0.50	0.58
Hotel - Building Construction - 2026												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			0.08	0.41	0.49	0.29	0.00	0.30	0.08	0.00	0.08
	TOTAL	2026 - Q2	63	1.45	12.88	14.33	0.29	0.53	0.82	0.08	0.50	0.58
Hotel - Building Construction - 2026												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			0.08	0.41	0.49	0.29	0.00	0.30	0.08	0.00	0.08
	TOTAL	2026 - Q3	63	1.45	12.88	14.33	0.29	0.53	0.82	0.08	0.50	0.58
Hotel - Building Construction - 2026												
	ONSITE			1.37	12.47	13.84	0.00	0.53	0.53	0.00	0.50	0.50
	OFFSITE			0.08	0.43	0.52	0.29	0.00	0.40	0.08	0.00	0.08
	TOTAL	2026 - Q4	42	1.45	12.90	14.35	0.29	0.53	0.92	0.08	0.50	0.58
Hotel - Paving - 2026												
	ONSITE			0.82	7.53	8.35	0.00	0.35	0.35	0.00	0.33	0.33
	OFFSITE			0.06	0.03	0.09	0.20	0.00	0.20	0.05	0.00	0.05
	TOTAL	2026 - Q4	18	0.88	7.57	8.45	0.20	0.35	0.55	0.05	0.33	0.38
Hotel - Arch Coating - 2026												
	ONSITE			77.42	1.15	78.57	0.00	0.05	0.05	0.00	0.05	0.05
	OFFSITE			0.01	0.01	0.02	0.05	0.00	0.05	0.01	0.00	0.01
	TOTAL	2026 - Q4	18	77.44	1.15	78.59	0.05	0.05	0.10	0.01	0.05	0.06

EMISSIONS SUMMARY (LBS/QTR)

CONSTRUCTION ACTIVITY	EMISSIONS (LBS/QTR)						
	ROG+NOX	PM10			PM2.5		
		FUG	EXH	TOTAL	FUG	EXH	TOTAL
LBS/QUARTER							
DEMOLITON - 2023							
2023 - Q1	1478.17	9.19	61.89	71.08	5.82	57.58	60.02
DEMOLITON - 2023							
2023 - Q2	1096.29	6.82	45.92	47.69	1.81	42.72	44.53
Site Prep - 2023							
2023 - Q1	1363.01	893.02	57.01	949.58	456.74	52.45	509.18
Site Prep - 2023							
2023 - Q2	1907.53	1249.61	79.81	1329.41	639.43	73.43	712.86
Grading - 2023							
2023 - Q3	2390.33	592.28	89.80	682.09	233.49	82.62	316.11
Grading - 2023							
2023 - Q4	2353.19	582.88	88.38	671.26	229.78	81.30	311.09
Building Construction - 2024							
2024 - Q1	1567.65	497.33	42.30	539.62	133.19	39.78	172.69
Building Construction - 2024							
2024 - Q2	1557.20	505.35	42.97	548.31	135.06	40.41	175.47

Building Construction - 2024

2024 - Q3	1557.20	505.35	42.97	548.31	135.06	40.41	175.47
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Building Construction - 2024

2024 - Q4	1567.65	497.33	42.30	539.62	133.19	39.78	172.69
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Building Construction - 2025

2025 - Q1	1478.02	497.34	36.84	534.17	132.92	34.65	167.57
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Building Construction - 2025

2025 - Q2	1464.37	505.36	37.42	542.78	135.06	35.20	170.26
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Building Construction - 2025

2025 - Q3	1464.37	505.36	37.42	542.78	135.06	35.20	170.26
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Building Construction - 2025

2025 - Q4	1478.02	497.34	36.84	534.17	132.92	34.65	167.57
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Building Construction - 2026

2026 - Q1	1454.61	497.34	36.69	534.02	132.92	34.50	167.42
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Building Construction - 2026

2026 - Q2	1442.01	505.36	37.26	542.63	135.07	35.05	170.11
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Building Construction - 2026

2026 - Q3	1442.01	505.36	37.26	542.63	135.07	35.05	170.11
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Building Construction - 2026

2026 - Q4	1454.61	497.34	36.69	534.02	132.92	34.50	167.42
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Building Construction - 2027

2027 - Q1	1433.91	497.35	36.52	533.87	132.92	34.35	167.28
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Building Construction - 2027

2027 - Q2	1421.65	505.37	37.10	542.47	135.07	34.90	169.96
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Building Construction - 2027

2027 - Q3	1421.65	505.37	37.10	542.47	135.07	34.90	169.96
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Building Construction - 2027

2027 - Q4	1433.91	497.35	36.52	533.87	132.92	34.35	167.28
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Building Construction - 2028

2028 - Q1	1414.19	497.35	36.36	533.71	132.92	34.21	167.13
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Building Construction - 2028

2028 - Q2	1403.51	505.37	36.94	542.31	135.07	34.75	169.82
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Building Construction - 2028

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2028 - Q3	1403.51	505.37	36.94	542.31	135.07	34.75	169.82
Building Construction - 2028							
2028 - Q4	1414.19	497.35	36.36	533.71	132.92	34.21	167.13
Building Construction - 2029							
2029 - Q1	1395.89	497.35	36.21	533.56	132.92	34.06	166.98
Building Construction - 2029							
2029 - Q2	1386.08	505.37	36.79	542.79	135.07	34.60	169.67
Building Construction - 2029							
2029 - Q3	1386.08	505.37	36.79	542.79	135.07	34.60	169.67
Building Construction - 2029							
2029 - Q4	1395.89	497.35	36.21	533.56	132.92	34.06	166.98
Building Construction - 2030							

2030 - Q1	1095.30	497.36	12.54	509.90	132.93	12.34	145.27
Building Construction - 2030							
2030 - Q2	1081.72	505.38	12.73	518.11	135.07	12.53	147.60
Building Construction - 2030							
2030 - Q3	1081.72	505.38	12.73	518.11	135.07	12.53	147.60
Building Construction - 2030							
2030 - Q4	1095.30	497.36	12.54	509.90	132.93	12.34	145.27
Arch Coating - 2024							
2024 - Q1	901.90	33.65	1.55	35.21	8.93	1.54	10.47
Arch Coating - 2024							
2024 - Q2	2465.08	92.18	4.26	96.43	24.45	4.22	28.67
Arch Coating - 2024							
2024 - Q3	2465.08	92.18	4.26	96.43	24.45	4.22	28.67
Arch Coating - 2024							
2024 - Q4	2431.21	90.72	4.19	94.90	24.06	4.16	28.22
Arch Coating - 2025							
2025 - Q1	2422.50	90.72	3.59	94.30	24.06	3.56	27.61
Arch Coating - 2025							
2025 - Q2	2456.56	92.18	3.65	95.82	24.45	3.61	28.06
Arch Coating - 2025							
2025 - Q3	2456.56	92.18	3.65	95.82	24.45	3.61	28.06
Arch Coating - 2025							
2025 - Q4	2422.50	90.72	3.59	94.30	24.06	3.56	27.61
Arch Coating - 2026							
2026 - Q1	2419.49	90.72	3.57	94.28	24.06	3.54	27.60
Arch Coating - 2026							
2026 - Q2	2453.77	92.18	3.63	95.80	24.45	3.60	28.04
Arch Coating - 2026							
2026 - Q3	2453.77	92.18	3.63	95.80	24.45	3.60	28.04
Arch Coating - 2026							
2026 - Q4	2419.49	90.72	3.57	94.28	24.06	3.54	27.60
Arch Coating - 2027							
2027 - Q1	2416.80	90.72	3.55	94.26	24.06	3.52	27.58
Arch Coating - 2027							
2027 - Q2	2451.28	92.18	3.60	95.79	24.45	3.58	28.02

Arch Coating - 2027

2027 - Q3	2451.28	92.18	3.60	95.79	24.45	3.58	28.02
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Arch Coating - 2027

2027 - Q4	2416.80	90.72	3.55	94.26	24.06	3.52	27.58
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Arch Coating - 2028

2028 - Q1	2414.35	90.72	3.53	94.24	24.06	3.50	25.30
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Arch Coating - 2028

2028 - Q2	2449.02	92.18	3.58	95.76	24.45	3.28	28.00
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Arch Coating - 2028

2028 - Q3	2449.02	92.18	3.58	95.76	24.45	3.28	28.00
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Arch Coating - 2028

2028 - Q4	2414.35	90.72	3.53	94.24	24.06	3.50	25.30
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Arch Coating - 2029

2029 - Q1	2412.09	90.72	3.50	94.22	24.06	3.48	27.54
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Arch Coating - 2029

2029 - Q2	2446.95	92.18	3.56	95.74	24.45	3.54	27.98
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Arch Coating - 2029

2029 - Q3	2446.95	92.18	3.56	95.74	24.45	3.54	27.98
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Arch Coating - 2029

2029 - Q4	2412.09	90.72	3.50	94.22	24.06	3.48	27.54
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Arch Coating - 2030

2030 - Q1	2389.60	90.72	1.29	92.27	24.06	1.53	25.59
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Arch Coating - 2030

2030 - Q2	2424.29	92.18	1.58	93.76	24.45	1.55	26.00
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Arch Coating - 2030

2030 - Q3	2424.29	92.18	1.58	93.76	24.45	1.55	26.00
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Arch Coating - 2030

2030 - Q4	2389.60	90.72	1.29	92.27	24.06	1.53	25.59
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Paving - 2030

2030 - Q1	359.50	6.23	13.91	20.13	1.65	13.90	15.56
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Paving - 2030

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	2030 - Q2	538.86	9.34	20.86	30.20	2.48	20.86	23.34
Paving - 2030								
	2030 - Q3	538.86	9.34	20.86	30.20	2.48	20.86	23.34
Paving - 2030								
	2030 - Q4	359.50	6.23	13.91	20.13	1.65	13.90	15.56
Commercial and Educational - Building construction - 2024								
	2024 - Q1	1131.27	106.45	39.30	145.76	28.64	36.98	65.61
Commercial and Educational - Building construction - 2024								
	2024 - Q2	1139.29	108.17	39.93	148.11	29.10	37.57	66.67
Commercial and Educational - Building construction - 2024								
	2024 - Q3	1139.29	108.17	39.93	148.11	29.10	37.57	66.67
Commercial and Educational - Building construction - 2024								
	2024 - Q4	1131.27	106.45	39.30	145.76	28.64	36.98	65.61
Commercial and Educational - Building construction - 2025								
	2025 - Q1	1076.53	108.17	34.50	142.67	29.10	32.46	61.56
Commercial and Educational - Building construction - 2025								
	2025 - Q2	1064.78	108.17	34.49	142.66	29.10	32.46	61.55
Commercial and Educational - Building construction - 2025								
	2025 - Q3	1064.78	108.17	34.49	142.66	29.10	32.46	61.55
Commercial and Educational - Building construction - 2025								
	2025 - Q4	1059.44	106.45	33.95	140.41	28.64	31.94	60.58
Commercial and Educational - Building construction - 2026								
	2026 - Q1	1051.30	106.45	33.91	140.36	28.64	31.91	60.54
Commercial and Educational - Building construction - 2026								
	2026 - Q2	1058.72	108.17	34.45	142.63	29.10	32.41	61.51
Commercial and Educational - Building construction - 2026								
	2026 - Q3	1058.72	108.17	34.45	142.63	29.10	32.41	61.51
Commercial and Educational - Building construction - 2026								
	2026 - Q4	1051.30	106.45	33.91	140.36	28.64	31.91	60.54
Commercial and Educational - Building construction - 2027								

	2027 - Q1	1045.54	106.45	33.86	140.32	28.64	31.86	60.50
Commercial and Educational - Building construction - 2027								
	2027 - Q2	1053.13	108.17	34.41	142.58	29.10	32.38	61.48
Commercial and Educational - Building construction - 2027								
	2027 - Q3	1053.13	108.17	34.41	142.58	29.10	32.38	61.48
Commercial and Educational - Building construction - 2027								
	2027 - Q4	1045.54	106.45	33.86	140.32	28.64	31.86	60.50
Commercial and Educational - Building construction - 2028								
	2028 - Q1	1040.42	106.45	33.79	140.29	28.64	31.82	60.46
Commercial and Educational - Building construction - 2028								
	2028 - Q2	1048.20	108.18	34.35	142.54	29.04	32.34	61.43
Commercial and Educational - Building construction - 2028								
	2028 - Q3	1048.20	108.18	34.35	142.54	29.04	32.34	61.43
Commercial and Educational - Building construction - 2028								
	2028 - Q4	1040.42	106.45	33.79	140.29	28.64	31.82	60.46
Commercial and Educational - Building construction - 2029								
	2029 - Q1	1035.42	106.45	33.78	140.24	28.64	31.79	60.43
Commercial and Educational - Building construction - 2029								
	2029 - Q2	1043.37	108.18	34.33	142.51	29.10	32.29	61.39
Commercial and Educational - Building construction - 2029								
	2029 - Q3	1043.37	108.18	34.33	142.51	29.10	32.29	61.39
Commercial and Educational - Building construction - 2029								
	2029 - Q4	701.42	72.11	22.89	95.00	19.40	21.53	40.93
Commercial and Educational - Arch Coating - 2024								
	2024 - Q2	240.20	18.06	3.92	21.98	4.79	3.91	8.70
Commercial and Educational - Arch Coating - 2024								
	2024 - Q3	240.20	18.06	3.92	21.98	4.79	3.91	8.70
Commercial and Educational - Arch Coating - 2024								
	2024 - Q4	237.42	17.78	3.86	21.63	4.71	3.85	8.56
Commercial and Educational - Arch Coating - 2025								

2025 - Q1	231.56	17.78	3.27	21.05	4.71	3.26	7.98
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Commercial and Educational - Arch Coating - 2025

2025 - Q2	234.31	18.06	3.32	21.39	4.79	3.32	8.11
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Commercial and Educational - Arch Coating - 2025

2025 - Q3	234.31	18.06	3.32	21.39	4.79	3.32	8.11
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Commercial and Educational - Arch Coating - 2025

2025 - Q4	231.56	17.78	3.27	21.05	4.71	3.26	7.98
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Commercial and Educational - Arch Coating - 2026

2026 - Q1	230.97	17.78	3.27	21.04	4.71	3.26	7.97
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Commercial and Educational - Arch Coating - 2026

2026 - Q2	233.77	18.06	3.32	21.38	4.79	3.31	8.10
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Commercial and Educational - Arch Coating - 2026

2026 - Q3	233.77	18.06	3.32	21.38	4.79	3.31	8.10
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Commercial and Educational - Arch Coating - 2026

2026 - Q4	230.06	17.78	3.27	21.04	4.71	3.26	7.97
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Commercial and Educational - Arch Coating - 2027

2027 - Q1	230.44	17.78	3.26	21.04	4.71	3.26	7.97
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Commercial and Educational - Arch Coating - 2027

2027 - Q2	233.28	180.62	3.32	21.38	4.79	3.31	8.10
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Commercial and Educational - Arch Coating - 2027

2027 - Q3	233.28	180.62	3.32	21.38	4.79	3.31	8.10
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Commercial and Educational - Arch Coating - 2027

2027 - Q4	230.44	17.78	3.26	21.04	4.71	3.26	7.97
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Commercial and Educational - Arch Coating - 2028

2028 - Q1	229.96	17.78	3.26	21.04	4.71	3.25	7.97
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Commercial and Educational - Arch Coating - 2028

2028 - Q2	232.84	18.06	3.31	21.38	4.79	3.31	8.14
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Commercial and Educational - Arch Coating - 2028

2028 - Q3	232.84	18.06	3.31	21.38	4.79	3.31	8.14
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Commercial and Educational - Arch Coating - 2028

2028 - Q4	229.96	17.78	3.26	21.04	4.71	3.25	7.97
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Commercial and Educational - Arch Coating - 2029

2029 - Q1	229.52	17.78	3.25	21.03	4.71	3.25	7.97
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Commercial and Educational - Arch Coating - 2029

2029 - Q2	232.43	18.06	3.31	21.37	4.79	3.30	8.10
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Commercial and Educational - Arch Coating - 2029

2029 - Q3	232.43	18.06	3.31	21.37	4.79	3.30	8.10
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Commercial and Educational - Arch Coating - 2029

2029 - Q4	229.52	17.78	3.25	21.03	4.71	3.25	7.97
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Commercial and Educational - Paving - 2029

2029 - Q4	204.59	2.97	8.38	11.35	0.79	7.71	8.50
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Hotel - Building Construction - 2026

2026 - Q1	889.96	18.20	32.91	57.32	4.89	30.96	35.85
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Hotel - Building Construction - 2026

2026 - Q2	902.73	18.50	33.44	51.94	4.97	31.46	36.43
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Hotel - Building Construction - 2026

2026 - Q3	902.73	18.50	33.44	51.94	4.97	31.46	36.43
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Hotel - Building Construction - 2026

2026 - Q4	602.88	12.33	22.29	38.83	3.31	20.97	24.29
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Hotel - Paving - 2026

2026 - Q4	152.02	3.56	6.36	9.92	0.94	5.88	6.82
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Hotel - Arch Coating - 2026

2026 - Q4	1414.62	0.89	0.93	1.82	0.24	0.93	1.17
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EMISSIONS SUMMARY (TONS/QTR)

CONSTRUCTION ACTIVITY TONS/QTR	EMISSIONS (TONS/QTR)						
	ROG+NOX	PM10			PM2.5		
		FUG	EXH	TOTAL	FUG	EXH	TOTAL
DEMOLITON - 2023							
2023 - Q1			0.031				
			0.000				
	0.739	0.005	0.031	0.036	0.003	0.029	0.030
DEMOLITON - 2023							
2023 - Q2			0.023				
			0.000				
	0.548	0.003	0.023	0.024	0.001	0.021	0.022
Site Prep - 2023							
2023 - Q1			0.028				
			0.000				
	0.682	0.447	0.029	0.475	0.228	0.026	0.255
Site Prep - 2023							
2023 - Q2			0.040				
			0.000				
	0.954	0.625	0.040	0.665	0.320	0.037	0.356
Grading - 2023							
2023 - Q3			0.045				
			0.000				
	1.195	0.296	0.045	0.341	0.117	0.041	0.158
Grading - 2023							
2023 - Q4			0.044				
			0.000				
	1.177	0.291	0.044	0.336	0.115	0.041	0.156
Building Construction - 2024							
2024 - Q1			0.019				
			0.002				
	0.784	0.249	0.021	0.270	0.067	0.020	0.086
Building Construction - 2024							
2024 - Q2			0.019				
			0.002				
	0.779	0.253	0.021	0.274	0.068	0.020	0.088

Building Construction - 2024

			0.019					
			0.002					
2024 - Q3	0.779	0.253	0.021	0.274	0.068	0.020	0.088	

Building Construction - 2024

			0.019					
			0.002					
2024 - Q4	0.784	0.249	0.021	0.270	0.067	0.020	0.086	

Building Construction - 2025

			0.016					
			0.002					
2025 - Q1	0.739	0.249	0.018	0.267	0.066	0.017	0.084	

Building Construction - 2025

			0.017					
			0.002					
2025 - Q2	0.732	0.253	0.019	0.271	0.068	0.018	0.085	

Building Construction - 2025

			0.017					
			0.002					
2025 - Q3	0.732	0.253	0.019	0.271	0.068	0.018	0.085	

Building Construction - 2025

			0.016					
			0.002					
2025 - Q4	0.739	0.249	0.018	0.267	0.066	0.017	0.084	

Building Construction - 2026

			0.016					
			0.002					
2026 - Q1	0.727	0.249	0.018	0.267	0.066	0.017	0.084	

Building Construction - 2026

			0.017					
			0.002					
2026 - Q2	0.721	0.253	0.019	0.271	0.068	0.018	0.085	

Building Construction - 2026

			0.017					
			0.002					
2026 - Q3	0.721	0.253	0.019	0.271	0.068	0.018	0.085	

Building Construction - 2026

			0.016					
			0.002					
2026 - Q4	0.727	0.249	0.018	0.267	0.066	0.017	0.084	

Building Construction - 2027

			0.016					
			0.002					
2027 - Q1	0.717	0.249	0.018	0.267	0.066	0.017	0.084	

Building Construction - 2027

			0.017					
			0.002					
2027 - Q2	0.711	0.253	0.019	0.271	0.068	0.017	0.085	

Building Construction - 2027

			0.017					
			0.002					
2027 - Q3	0.711	0.253	0.019	0.271	0.068	0.017	0.085	

Building Construction - 2027

			0.016					
			0.002					
2027 - Q4	0.717	0.249	0.018	0.267	0.066	0.017	0.084	

Building Construction - 2028

			0.016					
			0.002					
2028 - Q1	0.707	0.249	0.018	0.267	0.066	0.017	0.084	

Building Construction - 2028

			0.017					
			0.002					
2028 - Q2	0.702	0.253	0.018	0.271	0.068	0.017	0.085	

Building Construction - 2028

			0.017					
			0.002					

2028 - Q3	0.702	0.253	0.018	0.271	0.068	0.017	0.085
Building Construction - 2028							
			0.016				
			0.002				
2028 - Q4	0.707	0.249	0.018	0.267	0.066	0.017	0.084
Building Construction - 2029							
			0.016				
			0.002				
2029 - Q1	0.698	0.249	0.018	0.267	0.066	0.017	0.083
Building Construction - 2029							
			0.017				
			0.002				
2029 - Q2	0.693	0.253	0.018	0.271	0.068	0.017	0.085
Building Construction - 2029							
			0.017				
			0.002				
2029 - Q3	0.693	0.253	0.018	0.271	0.068	0.017	0.085
Building Construction - 2029							
			0.016				
			0.002				
2029 - Q4	0.698	0.249	0.018	0.267	0.066	0.017	0.083
Building Construction - 2030							
			0.005				

				0.002				
2030 - Q1	0.548	0.249	0.006	0.255	0.066	0.006	0.073	
Building Construction - 2030								
				0.005				
				0.002				
2030 - Q2	0.541	0.253	0.006	0.259	0.068	0.006	0.074	
Building Construction - 2030								
				0.005				
				0.002				
2030 - Q3	0.541	0.253	0.006	0.259	0.068	0.006	0.074	
Building Construction - 2030								
				0.005				
				0.002				
2030 - Q4	0.548	0.249	0.006	0.255	0.066	0.006	0.073	
Arch Coating - 2024								
				0.001				
				0.000				
2024 - Q1	0.451	0.017	0.001	0.018	0.004	0.001	0.005	
Arch Coating - 2024								
				0.002				
				0.000				
2024 - Q2	1.233	0.046	0.002	0.048	0.012	0.002	0.014	
Arch Coating - 2024								
				0.002				
				0.000				
2024 - Q3	1.233	0.046	0.002	0.048	0.012	0.002	0.014	
Arch Coating - 2024								
				0.002				
				0.000				
2024 - Q4	1.216	0.045	0.002	0.047	0.012	0.002	0.014	
Arch Coating - 2025								
				0.002				
				0.000				
2025 - Q1	1.211	0.045	0.002	0.047	0.012	0.002	0.014	
Arch Coating - 2025								
				0.002				
				0.000				
2025 - Q2	1.228	0.046	0.002	0.048	0.012	0.002	0.014	
Arch Coating - 2025								
				0.002				
				0.000				
2025 - Q3	1.228	0.046	0.002	0.048	0.012	0.002	0.014	
Arch Coating - 2025								
				0.002				
				0.000				
2025 - Q4	1.211	0.045	0.002	0.047	0.012	0.002	0.014	
Arch Coating - 2026								
				0.002				
				0.000				
2026 - Q1	1.210	0.045	0.002	0.047	0.012	0.002	0.014	
Arch Coating - 2026								
				0.002				
				0.000				
2026 - Q2	1.227	0.046	0.002	0.048	0.012	0.002	0.014	
Arch Coating - 2026								
				0.002				
				0.000				
2026 - Q3	1.227	0.046	0.002	0.048	0.012	0.002	0.014	
Arch Coating - 2026								
				0.002				
				0.000				
2026 - Q4	1.210	0.045	0.002	0.047	0.012	0.002	0.014	
Arch Coating - 2027								
				0.002				
				0.000				
2027 - Q1	1.208	0.045	0.002	0.047	0.012	0.002	0.014	
Arch Coating - 2027								
				0.002				
				0.000				
2027 - Q2	1.226	0.046	0.002	0.048	0.012	0.002	0.014	

Arch Coating - 2027

			0.002					
			0.000					
2027 - Q3	1.226	0.046	0.002	0.048	0.012	0.002	0.014	

Arch Coating - 2027

			0.002					
			0.000					
2027 - Q4	1.208	0.045	0.002	0.047	0.012	0.002	0.014	

Arch Coating - 2028

			0.002					
			0.000					
2028 - Q1	1.207	0.045	0.002	0.047	0.012	0.002	0.013	

Arch Coating - 2028

			0.002					
			0.000					
2028 - Q2	1.225	0.046	0.002	0.048	0.012	0.002	0.014	

Arch Coating - 2028

			0.002					
			0.000					
2028 - Q3	1.225	0.046	0.002	0.048	0.012	0.002	0.014	

Arch Coating - 2028

			0.002					
			0.000					
2028 - Q4	1.207	0.045	0.002	0.047	0.012	0.002	0.013	

Arch Coating - 2029

			0.002					
			0.000					
2029 - Q1	1.206	0.045	0.002	0.047	0.012	0.002	0.014	

Arch Coating - 2029

			0.002					
			0.000					
2029 - Q2	1.223	0.046	0.002	0.048	0.012	0.002	0.014	

Arch Coating - 2029

			0.002					
			0.000					
2029 - Q3	1.223	0.046	0.002	0.048	0.012	0.002	0.014	

Arch Coating - 2029

			0.002					
			0.000					
2029 - Q4	1.206	0.045	0.002	0.047	0.012	0.002	0.014	

Arch Coating - 2030

			0.001					
			0.000					
2030 - Q1	1.195	0.045	0.001	0.046	0.012	0.001	0.013	

Arch Coating - 2030

			0.001					
			0.000					
2030 - Q2	1.212	0.046	0.001	0.047	0.012	0.001	0.013	

Arch Coating - 2030

			0.001					
			0.000					
2030 - Q3	1.212	0.046	0.001	0.047	0.012	0.001	0.013	

Arch Coating - 2030

			0.001					
			0.000					
2030 - Q4	1.195	0.045	0.001	0.046	0.012	0.001	0.013	

Paving - 2030

			0.007					
			0.000					
2030 - Q1	0.180	0.003	0.007	0.010	0.001	0.007	0.008	

Paving - 2030

			0.010					
			0.000					

	2030 - Q2	0.269	0.005	0.010	0.015	0.001	0.010	0.012
Paving - 2030				0.010				
				0.000				
	2030 - Q3	0.269	0.005	0.010	0.015	0.001	0.010	0.012
Paving - 2030				0.007				
				0.000				
	2030 - Q4	0.180	0.003	0.007	0.010	0.001	0.007	0.008
Commercial and Educational - Building construction - 2024				0.019				
				0.001				
	2024 - Q1	0.566	0.053	0.020	0.073	0.014	0.018	0.033
Commercial and Educational - Building construction - 2024				0.019				
				0.001				
	2024 - Q2	0.570	0.054	0.020	0.074	0.015	0.019	0.033
Commercial and Educational - Building construction - 2024				0.019				
				0.001				
	2024 - Q3	0.570	0.054	0.020	0.074	0.015	0.019	0.033
Commercial and Educational - Building construction - 2024				0.019				
				0.001				
	2024 - Q4	0.566	0.053	0.020	0.073	0.014	0.018	0.033
Commercial and Educational - Building construction - 2025				0.017				
				0.001				
	2025 - Q1	0.538	0.054	0.017	0.071	0.015	0.016	0.031
Commercial and Educational - Building construction - 2025				0.017				
				0.001				
	2025 - Q2	0.532	0.054	0.017	0.071	0.015	0.016	0.031
Commercial and Educational - Building construction - 2025				0.017				
				0.001				
	2025 - Q3	0.532	0.054	0.017	0.071	0.015	0.016	0.031
Commercial and Educational - Building construction - 2025				0.016				
				0.001				
	2025 - Q4	0.530	0.053	0.017	0.070	0.014	0.016	0.030
Commercial and Educational - Building construction - 2026				0.016				
				0.001				
	2026 - Q1	0.526	0.053	0.017	0.070	0.014	0.016	0.030
Commercial and Educational - Building construction - 2026				0.017				
				0.001				
	2026 - Q2	0.529	0.054	0.017	0.071	0.015	0.016	0.031
Commercial and Educational - Building construction - 2026				0.017				
				0.001				
	2026 - Q3	0.529	0.054	0.017	0.071	0.015	0.016	0.031
Commercial and Educational - Building construction - 2026				0.016				
				0.001				
	2026 - Q4	0.526	0.053	0.017	0.070	0.014	0.016	0.030
Commercial and Educational - Building construction - 2027				0.016				

				0.001				
Commercial and Educational - Building construction - 2027	2027 - Q1	0.523	0.053	0.017	0.070	0.014	0.016	0.030
				0.017				
				0.001				
Commercial and Educational - Building construction - 2027	2027 - Q2	0.527	0.054	0.017	0.071	0.015	0.016	0.031
				0.017				
				0.001				
Commercial and Educational - Building construction - 2027	2027 - Q3	0.527	0.054	0.017	0.071	0.015	0.016	0.031
				0.017				
				0.001				
Commercial and Educational - Building construction - 2027	2027 - Q4	0.523	0.053	0.017	0.070	0.014	0.016	0.030
				0.016				
				0.001				
Commercial and Educational - Building construction - 2028	2028 - Q1	0.520	0.053	0.017	0.070	0.014	0.016	0.030
				0.016				
				0.001				
Commercial and Educational - Building construction - 2028	2028 - Q2	0.524	0.054	0.017	0.071	0.015	0.016	0.031
				0.017				
				0.001				
Commercial and Educational - Building construction - 2028	2028 - Q3	0.524	0.054	0.017	0.071	0.015	0.016	0.031
				0.017				
				0.001				
Commercial and Educational - Building construction - 2028	2028 - Q4	0.520	0.053	0.017	0.070	0.014	0.016	0.030
				0.016				
				0.001				
Commercial and Educational - Building construction - 2029	2029 - Q1	0.518	0.053	0.017	0.070	0.014	0.016	0.030
				0.016				
				0.001				
Commercial and Educational - Building construction - 2029	2029 - Q2	0.522	0.054	0.017	0.071	0.015	0.016	0.031
				0.017				
				0.001				
Commercial and Educational - Building construction - 2029	2029 - Q3	0.522	0.054	0.017	0.071	0.015	0.016	0.031
				0.017				
				0.001				
Commercial and Educational - Building construction - 2029	2029 - Q4	0.351	0.036	0.011	0.048	0.010	0.011	0.020
				0.011				
				0.000				
Commercial and Educational - Arch Coating - 2024	2024 - Q2	0.120	0.009	0.002	0.011	0.002	0.002	0.004
				0.002				
				0.000				
Commercial and Educational - Arch Coating - 2024	2024 - Q3	0.120	0.009	0.002	0.011	0.002	0.002	0.004
				0.002				
				0.000				
Commercial and Educational - Arch Coating - 2024	2024 - Q4	0.119	0.009	0.002	0.011	0.002	0.002	0.004
				0.002				
				0.000				
Commercial and Educational - Arch Coating - 2025								

			0.002					
			0.000					
2025 - Q1	0.116	0.009	0.002	0.011	0.002	0.002	0.004	

Commercial and Educational - Arch Coating - 2025

			0.002					
			0.000					
2025 - Q2	0.117	0.009	0.002	0.011	0.002	0.002	0.004	

Commercial and Educational - Arch Coating - 2025

			0.002					
			0.000					
2025 - Q3	0.117	0.009	0.002	0.011	0.002	0.002	0.004	

Commercial and Educational - Arch Coating - 2025

			0.002					
			0.000					
2025 - Q4	0.116	0.009	0.002	0.011	0.002	0.002	0.004	

Commercial and Educational - Arch Coating - 2026

			0.002					
			0.000					
2026 - Q1	0.115	0.009	0.002	0.011	0.002	0.002	0.004	

Commercial and Educational - Arch Coating - 2026

			0.002					
			0.000					
2026 - Q2	0.117	0.009	0.002	0.011	0.002	0.002	0.004	

Commercial and Educational - Arch Coating - 2026

			0.002					
			0.000					
2026 - Q3	0.117	0.009	0.002	0.011	0.002	0.002	0.004	

Commercial and Educational - Arch Coating - 2026

			0.002					
			0.000					
2026 - Q4	0.115	0.009	0.002	0.011	0.002	0.002	0.004	

Commercial and Educational - Arch Coating - 2027

			0.002					
			0.000					
2027 - Q1	0.115	0.009	0.002	0.011	0.002	0.002	0.004	

Commercial and Educational - Arch Coating - 2027

			0.002					
			0.000					
2027 - Q2	0.117	0.090	0.002	0.011	0.002	0.002	0.004	

Commercial and Educational - Arch Coating - 2027

			0.002					
			0.000					
2027 - Q3	0.117	0.090	0.002	0.011	0.002	0.002	0.004	

Commercial and Educational - Arch Coating - 2027

			0.002					
			0.000					
2027 - Q4	0.115	0.009	0.002	0.011	0.002	0.002	0.004	

Commercial and Educational - Arch Coating - 2028

			0.002					
			0.000					
2028 - Q1	0.115	0.009	0.002	0.011	0.002	0.002	0.004	

Commercial and Educational - Arch Coating - 2028

			0.002					
			0.000					
2028 - Q2	0.116	0.009	0.002	0.011	0.002	0.002	0.004	

Commercial and Educational - Arch Coating - 2028

			0.002					
			0.000					
2028 - Q3	0.116	0.009	0.002	0.011	0.002	0.002	0.004	

Commercial and Educational - Arch Coating - 2028

			0.002					
			0.000					
2028 - Q4	0.115	0.009	0.002	0.011	0.002	0.002	0.004	

Commercial and Educational - Arch Coating - 2029

			0.002					
			0.000					
2029 - Q1	0.115	0.009	0.002	0.011	0.002	0.002	0.004	

Commercial and Educational - Arch Coating - 2029

			0.002					
			0.000					
2029 - Q2	0.116	0.009	0.002	0.011	0.002	0.002	0.004	

Commercial and Educational - Arch Coating - 2029

			0.002					
			0.000					
2029 - Q3	0.116	0.009	0.002	0.011	0.002	0.002	0.004	

Commercial and Educational - Arch Coating - 2029

			0.002					
			0.000					
2029 - Q4	0.115	0.009	0.002	0.011	0.002	0.002	0.004	

Commercial and Educational - Paving - 2029

			0.004					
			0.000					
2029 - Q4	0.102	0.001	0.004	0.006	0.000	0.004	0.004	

Hotel - Building Construction - 2026

			0.016					
			0.000					
2026 - Q1	0.445	0.009	0.016	0.029	0.002	0.015	0.018	

Hotel - Building Construction - 2026

			0.017					
			0.000					
2026 - Q2	0.451	0.009	0.017	0.026	0.002	0.016	0.018	

Hotel - Building Construction - 2026

			0.017					
			0.000					
2026 - Q3	0.451	0.009	0.017	0.026	0.002	0.016	0.018	

Hotel - Building Construction - 2026

			0.011					
			0.000					
2026 - Q4	0.301	0.006	0.011	0.019	0.002	0.010	0.012	

Hotel - Paving - 2026

			0.003					
			0.000					
2026 - Q4	0.076	0.002	0.003	0.005	0.000	0.003	0.003	

Hotel - Arch Coating - 2026

			0.000					
			0.000					
2026 - Q4	0.707	0.000	0.000	0.001	0.000	0.000	0.001	

EMISSIONS SUMMARY (TONS/QTR COMPARED TO THRESHOLDS)

CONSTRUCTION QUARTER		EMISSIONS (TONS/QTR)						
		ROG+NOX	PM10			PM2.5		
			FUG	EXH	TOTAL	FUG	EXH	TOTAL
2023	Q1	1.42	0.45	0.06	0.51	0.23	0.06	0.28
TIER 1&2 THRESHOLDS		2.5 / 6.3	2.5 / None	0.13 / 0.32				
EXCEEDS?		No / No	No	No				
2023	Q2	1.50	0.63	0.06	0.69	0.32	0.06	0.38
TIER 1&2 THRESHOLDS		2.5 / 6.3	2.5 / None	0.13 / 0.32				
EXCEEDS?		Yes / No	No	No				
2023	Q3	1.20	0.30	0.04	0.34	0.12	0.04	0.16
TIER 1&2 THRESHOLDS		2.5 / 6.3	2.5 / None	0.13 / 0.32				
EXCEEDS?		Yes / No	No	No				
2023	Q4	1.18	0.29	0.04	0.34	0.11	0.04	0.16
TIER 1&2 THRESHOLDS		2.5 / 6.3	2.5 / None	0.13 / 0.32				
EXCEEDS?		Yes / No	No	No				
2024	Q1	1.80	0.32	0.04	0.36	0.09	0.04	0.12
TIER 1&2 THRESHOLDS		2.5 / 6.3	2.5 / None	0.13 / 0.32				
EXCEEDS?		No / No	No	No				
2024	Q2	2.70	0.36	0.05	0.41	0.10	0.04	0.14
TIER 1&2 THRESHOLDS		2.5 / 6.3	0	0.13 / 0.32				
EXCEEDS?		Yes / No	No	No				
2024	Q3	2.70	0.36	0.05	0.41	0.10	0.04	0.14
TIER 1&2 THRESHOLDS		2.5 / 6.3	2.5 / None	0.13 / 0.32				
EXCEEDS?		No / No	No	No				
2024	Q4	2.68	0.36	0.04	0.40	0.10	0.04	0.14
TIER 1&2 THRESHOLDS		2.5 / 6.3	2.5 / None	0.13 / 0.32				
EXCEEDS?		No / No	No	No				
2025	Q1	2.60	0.36	0.04	0.40	0.10	0.04	0.13
TIER 1&2 THRESHOLDS		2.5 / 6.3	2.5 / None	0.13 / 0.32				
EXCEEDS?		No / No	No	No				
2025	Q2	2.61	0.36	0.04	0.40	0.10	0.04	0.13
TIER 1&2 THRESHOLDS		2.5 / 6.3	2.5 / None	0.13 / 0.32				
EXCEEDS?		No / No	No	No				
2025	Q3	2.61	0.36	0.04	0.40	0.10	0.04	0.13
TIER 1&2 THRESHOLDS		2.5 / 6.3	2.5 / None	0.13 / 0.32				

	EXCEEDS?	No / No	No	No				
2025	Q4	2.60	0.36	0.04	0.39	0.10	0.04	0.13
	TIER 1&2 THRESHOLDS	2.5 / 6.3	2.5 / None	0.13 / 0.32				
	EXCEEDS?	No / No	No	No				
2026	Q1	3.02	0.37	0.06	0.42	0.10	0.05	0.15
	TIER 1&2 THRESHOLDS	2.5 / 6.3	2.5 / None	0.13 / 0.32				
	EXCEEDS?	No / No	No	No				
2026	Q2	3.05	0.37	0.06	0.43	0.10	0.05	0.15
	TIER 1&2 THRESHOLDS	2.5 / 6.3	2.5 / None	0.13 / 0.32				
	EXCEEDS?	No / No	No	No				
2026	Q3	3.05	0.37	0.06	0.43	0.10	0.05	0.15
	TIER 1&2 THRESHOLDS	2.5 / 6.3	2.5 / None	0.13 / 0.32				
	EXCEEDS?	No / No	No	No				
2026	Q4	3.66	0.36	0.05	0.42	0.10	0.05	0.15
	TIER 1&2 THRESHOLDS	2.5 / 6.3	2.5 / None	0.13 / 0.32				
	EXCEEDS?	No / No	No	No				
2027	Q1	2.56	0.36	0.04	0.39	0.10	0.04	0.13
	TIER 1&2 THRESHOLDS	2.5 / 6.3	2.5 / None	0.13 / 0.32				
	EXCEEDS?	No / No	No	No				
2027	Q2	2.58	0.44	0.04	0.40	0.10	0.04	0.13
	TIER 1&2 THRESHOLDS	2.5 / 6.3	2.5 / None	0.13 / 0.32				
	EXCEEDS?	No / No	No	No				
2027	Q3	2.58	0.44	0.04	0.40	0.10	0.04	0.13
	TIER 1&2 THRESHOLDS	2.5 / 6.3	2.5 / None	0.13 / 0.32				
	EXCEEDS?	No / No	No	No				
2027	Q4	2.56	0.36	0.04	0.39	0.10	0.04	0.13
	TIER 1&2 THRESHOLDS	2.5 / 6.3	2.5 / None	0.13 / 0.32				
	EXCEEDS?	No / No	No	No				
2028	Q1	2.55	0.36	0.04	0.39	0.10	0.04	0.13
	TIER 1&2 THRESHOLDS	2.5 / 6.3	2.5 / None	0.13 / 0.32				
	EXCEEDS?	No / No	No	No				
2028	Q2	2.57	0.36	0.04	0.40	0.10	0.04	0.13
	TIER 1&2 THRESHOLDS	2.5 / 6.3	2.5 / None	0.13 / 0.32				
	EXCEEDS?	No / No	No	No				
2028	Q3	2.57	0.36	0.04	0.40	0.10	0.04	0.13
	TIER 1&2 THRESHOLDS	2.5 / 6.3	2.5 / None	0.13 / 0.32				
	EXCEEDS?	No / No	No	No				
2028	Q4	2.55	0.36	0.04	0.39	0.10	0.04	0.13
	TIER 1&2 THRESHOLDS	2.5 / 6.3	2.5 / None	0.13 / 0.32				
	EXCEEDS?	No / No	No	No				
2029	Q1	2.54	0.36	0.04	0.39	0.10	0.04	0.13
	TIER 1&2 THRESHOLDS	2.5 / 6.3	2.5 / None	0.13 / 0.32				
	EXCEEDS?	No / No	No	No				
2029	Q2	2.55	0.36	0.04	0.40	0.10	0.04	0.13
	TIER 1&2 THRESHOLDS	2.5 / 6.3	2.5 / None	0.13 / 0.32				
	EXCEEDS?	No / No	No	No				
2029	Q3	2.55	0.36	0.04	0.40	0.10	0.04	0.13
	TIER 1&2 THRESHOLDS	2.5 / 6.3	2.5 / None	0.13 / 0.32				
	EXCEEDS?	No / No	No	No				
2029	Q4	2.47	0.34	0.04	0.38	0.09	0.04	0.13
	TIER 1&2 THRESHOLDS	2.5 / 6.3	2.5 / None	0.13 / 0.32				
	EXCEEDS?	No / No	No	No				
2030	Q1	1.92	0.30	0.01	0.31	0.08	0.01	0.09
	TIER 1&2 THRESHOLDS	2.5 / 6.3	2.5 / None	0.13 / 0.32				
	EXCEEDS?	No / No	No	No				
2030	Q2	2.02	0.30	0.02	0.32	0.08	0.02	0.10
	TIER 1&2 THRESHOLDS	2.5 / 6.3	2.5 / None	0.13 / 0.32				
	EXCEEDS?	No / No	No	No				
2030	Q3	2.02	0.30	0.02	0.32	0.08	0.02	0.10
	TIER 1&2 THRESHOLDS	2.5 / 6.3	2.5 / None	0.13 / 0.32				
	EXCEEDS?	No / No	No	No				
2030	Q4	1.92	0.30	0.01	0.31	0.08	0.01	0.09
	TIER 1&2 THRESHOLDS	2.5 / 6.3	2.5 / None	0.13 / 0.32				
	EXCEEDS?	No / No	No	No				

DAILY EMISSIONS SUMMARY (LBS)

CONSTRUCTION ACTIVITY	ROG	NOX	ROG+NOX	PM10			PM2.5			
				FUG	EXH	TOTAL	FUG	EXH	TOTAL	
Summer										
Residential - Grubbing - 2023										
ONSITE	0.92	18.31	19.24	0.00	0.86	0.86	0.00	0.86	0.86	
OFFSITE	0.05	0.03	0.08	0.15	0.00	0.15	0.04	0.00	0.04	
TOTAL	0.97	18.34	19.32	0.15	0.86	1.01	0.04	0.86	0.90	
Residential - SITE PREPARATION - 2023										
ONSITE	0.93	19.07	20.00	7.67	0.95	8.61	3.94	0.95	4.89	
OFFSITE	0.06	0.04	0.09	0.18	0.00	0.18	0.05	0.00	0.05	
TOTAL	0.99	19.10	20.09	7.84	0.95	8.79	3.99	0.95	4.93	
Residential - Grading - 2023										
ONSITE	1.52	29.98	31.50	3.59	1.30	4.89	1.43	1.30	2.72	
OFFSITE	0.06	0.04	0.11	0.20	0.00	0.20	0.05	0.00	0.05	
TOTAL	1.59	30.02	31.61	3.79	1.30	5.09	1.48	1.30	2.78	
Residential - BUILDING CONSTRUCTION - 2024										
ONSITE	0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90	
OFFSITE	6.45	27.97	34.42	21.98	0.23	22.21	5.90	0.22	6.11	
TOTAL	7.13	42.19	49.32	21.98	1.13	23.11	5.90	1.12	7.02	
Residential - BUILDING CONSTRUCTION - 2025										
ONSITE	0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90	
OFFSITE	6.11	27.08	33.20	21.98	0.22	22.20	5.90	0.21	6.11	
TOTAL	6.79	41.31	48.10	21.98	1.13	23.11	5.90	1.11	7.01	
Residential - BUILDING CONSTRUCTION - 2026										
ONSITE	0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90	
OFFSITE	5.82	26.26	32.08	21.98	0.21	22.20	5.90	0.20	6.10	
TOTAL	6.49	40.49	46.98	21.98	1.12	23.10	5.90	1.11	7.00	
Residential - BUILDING CONSTRUCTION - 2027										
ONSITE	0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90	
OFFSITE	5.54	25.52	31.06	21.98	0.21	22.19	5.90	0.19	6.09	
TOTAL	6.21	39.74	45.96	21.98	1.11	23.09	5.90	1.10	6.99	
Residential - BUILDING CONSTRUCTION - 2028										
ONSITE	0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90	
OFFSITE	5.27	24.88	30.15	21.98	0.20	22.18	5.90	0.19	6.08	
TOTAL	5.95	39.10	45.05	21.98	1.10	23.08	5.90	1.09	6.99	
Residential - BUILDING CONSTRUCTION - 2029										
ONSITE	0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90	
OFFSITE	5.01	24.26	29.27	21.98	0.19	22.17	5.90	0.18	6.08	
TOTAL	5.69	38.48	44.17	21.98	1.09	23.08	5.90	1.08	6.98	
Residential - BUILDING CONSTRUCTION - 2030										
ONSITE	0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90	
OFFSITE	4.76	23.76	28.53	21.98	0.18	22.17	5.90	0.17	6.07	
TOTAL	5.44	37.99	43.43	21.98	1.09	23.07	5.90	1.08	6.97	
Residential - Arch Coating - 2024										
ONSITE	7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10	
OFFSITE	1.15	0.72	1.87	3.82	0.02	3.83	1.01	0.02	1.03	
TOTAL	8.69	2.08	10.77	3.82	0.11	3.93	1.01	0.11	1.12	
Residential - Arch Coating - 2025										
ONSITE	7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10	
OFFSITE	1.08	0.65	1.73	3.82	0.02	3.83	1.01	0.02	1.03	
TOTAL	8.63	2.00	10.63	3.82	0.11	3.93	1.01	0.11	1.12	
Residential - Arch Coating - 2026										
ONSITE	7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10	
OFFSITE	1.03	0.59	1.61	3.82	0.02	3.83	1.01	0.01	1.03	
TOTAL	8.58	1.94	10.52	3.82	0.11	3.93	1.01	0.11	1.12	
Residential - Arch Coating - 2027										
ONSITE	7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10	
OFFSITE	0.98	0.53	1.51	3.82	0.01	3.83	1.01	0.01	1.03	
TOTAL	8.52	1.89	10.42	3.82	0.11	3.93	1.01	0.11	1.12	
Residential - Arch Coating - 2028										
ONSITE	7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10	
OFFSITE	0.93	0.49	1.42	3.82	0.01	3.83	1.01	0.01	1.03	
TOTAL	8.47	1.85	10.32	3.82	0.11	3.93	1.01	0.11	1.12	

Residential - Arch Coating - 2029										
	ONSITE	7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE	0.88	0.45	1.33	3.82	0.01	3.83	1.01	0.01	1.02
	TOTAL	8.42	1.81	10.24	3.82	0.11	3.92	1.01	0.11	1.12
Residential - Arch Coating - 2030										
	ONSITE	7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE	0.08	0.42	0.51	3.82	0.01	3.83	1.01	0.01	1.02
	TOTAL	7.63	1.78	9.41	3.82	0.11	3.92	1.01	0.11	1.12
Residential - Paving - 2030										
	ONSITE	0.56	11.30	11.86	0.00	0.61	0.61	0.00	0.61	0.61
	OFFSITE	0.03	0.02	0.05	0.15	0.00	0.15	0.04	0.00	0.04
	TOTAL	0.59	11.31	11.90	0.15	0.61	0.76	0.04	0.61	0.65
Commercial & Educational - Building Construction - 2024										
	ONSITE	0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE	0.50	2.67	3.17	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	1.17	16.89	18.07	1.72	0.92	2.64	0.46	0.92	1.38
Commercial & Educational - Building Construction - 2025										
	ONSITE	0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE	0.47	2.59	3.06	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	1.15	16.82	17.96	1.72	0.92	2.64	0.46	0.92	1.38
Commercial & Educational - Building Construction - 2026										
	ONSITE	0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE	0.45	2.52	2.97	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	1.13	16.74	17.87	1.72	0.92	2.64	0.46	0.92	1.38
Commercial & Educational - Building Construction - 2027										
	ONSITE	0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE	0.43	2.45	2.88	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	1.11	16.67	17.78	1.72	0.92	2.64	0.46	0.92	1.38
Commercial & Educational - Building Construction - 2028										
	ONSITE	0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE	0.41	2.39	2.80	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	1.08	16.62	17.70	1.72	0.92	2.64	0.46	0.92	1.38
Commercial & Educational - Building Construction - 2029										
	ONSITE	0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE	0.39	2.33	2.72	1.72	0.02	1.73	0.46	0.02	0.48
	TOTAL	1.06	16.56	17.62	1.72	0.92	2.64	0.46	0.92	1.38
Commercial & Educational - Arch Coating - 2024										
	ONSITE	0.47	1.36	1.82	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE	0.09	0.05	0.14	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	0.55	1.41	1.96	0.29	0.10	0.38	0.08	0.10	0.17
Commercial & Educational - Arch Coating - 2025										
	ONSITE	0.47	1.36	1.82	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE	0.08	0.05	0.13	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	0.55	1.41	1.95	0.29	0.10	0.38	0.08	0.10	0.17
Commercial & Educational - Arch Coating - 2026										
	ONSITE	0.47	1.36	1.82	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE	0.08	0.04	0.12	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	0.54	1.40	1.94	0.29	0.10	0.38	0.08	0.10	0.17
Commercial & Educational - Arch Coating - 2027										
	ONSITE	0.47	1.36	1.82	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE	0.07	0.04	0.11	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	0.54	1.40	1.94	0.29	0.10	0.38	0.08	0.10	0.17
Commercial & Educational - Arch Coating - 2028										
	ONSITE	0.47	1.36	1.82	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE	0.07	0.04	0.11	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	0.54	1.39	1.93	0.29	0.10	0.38	0.08	0.10	0.17

Commercial & Educational - Arch Coating - 2029

	ONSITE	0.47	1.36	1.82	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE	0.07	0.03	0.10	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	0.53	1.39	1.92	0.29	0.10	0.38	0.08	0.10	0.17

Commercial & Educational - Paving - 2029

	ONSITE	2.75	11.30	14.04	0.00	0.61	0.61	0.00	0.61	0.61
	OFFSITE	0.03	0.02	0.05	0.15	0.00	0.15	0.04	0.00	0.04
	TOTAL	2.78	11.31	14.10	0.15	0.61	0.76	0.04	0.61	0.65

Hotel - Building Construction - 2026

	ONSITE	0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE	0.08	0.41	0.49	0.29	0.00	0.30	0.08	0.00	0.08
	TOTAL	0.75	14.64	15.39	0.29	0.91	1.20	0.08	0.91	0.99

Hotel - Paving - 2026

	ONSITE	0.44	9.09	9.53	0.00	0.52	0.52	0.00	0.52	0.52
	OFFSITE	0.05	0.03	0.08	0.20	0.00	0.20	0.05	0.00	0.05
	TOTAL	0.49	9.12	9.61	0.20	0.53	0.72	0.05	0.53	0.58

Hotel - Arch Coating - 2026

	ONSITE	15.46	1.36	16.82	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE	0.01	0.01	0.02	0.05	0.00	0.05	0.01	0.00	0.01
	TOTAL	15.48	1.36	16.84	0.05	0.10	0.14	0.01	0.10	0.11

DAILY EMISSIONS SUMMARY (LBS)

CONSTRUCTION ACTIVITY	ROG	NOX	ROG+NOX	PM10			PM2.5			
				FUG	EXH	TOTAL	FUG	EXH	TOTAL	
WINTER										
Residential - Grubbing - 2023										
	ONSITE	0.92	18.31	19.24	0.00	0.86	0.86	0.00	0.86	0.86
	OFFSITE	0.05	0.04	0.09	0.15	0.00	0.15	0.04	0.00	0.04
	TOTAL	0.98	18.35	19.33	0.15	0.86	1.01	0.04	0.86	0.90
Residential - SITE PREPARATION - 2023										
	ONSITE	0.93	19.07	20.00	7.67	0.95	8.61	3.94	0.95	4.89
	OFFSITE	0.06	0.04	0.11	0.18	0.00	0.18	0.05	0.00	0.05
	TOTAL	0.99	19.11	20.10	7.84	0.95	8.79	3.99	0.95	4.93
Residential - Grading - 2023										
	ONSITE	1.52	29.98	31.50	3.59	1.30	4.89	1.43	1.30	2.72
	OFFSITE	0.07	0.05	0.12	0.20	0.00	0.20	0.05	0.00	0.05
	TOTAL	1.59	30.03	31.62	3.79	1.30	5.09	1.48	1.30	2.78
Residential - BUILDING CONSTRUCTION - 2024										
	ONSITE	0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE	7.05	29.28	36.33	21.98	0.23	22.21	5.90	0.22	6.11
	TOTAL	7.72	43.51	51.23	21.98	1.13	23.12	5.90	1.12	7.02
Residential - BUILDING CONSTRUCTION - 2025										
	ONSITE	0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE	6.69	28.34	35.03	21.98	0.22	22.20	5.90	0.21	6.11
	TOTAL	7.37	42.57	49.93	21.98	1.13	23.11	5.90	1.11	7.01
Residential - BUILDING CONSTRUCTION - 2026										
	ONSITE	0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE	6.38	27.47	33.85	21.98	0.22	22.20	5.90	0.20	6.10
	TOTAL	7.05	41.70	48.75	21.98	1.12	23.10	5.90	1.11	7.00
Residential - BUILDING CONSTRUCTION - 2027										
	ONSITE	0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE	6.09	26.69	32.78	21.98	0.21	22.19	5.90	0.20	6.09
	TOTAL	6.76	40.91	47.68	21.98	1.11	23.09	5.90	1.10	7.00
Residential - BUILDING CONSTRUCTION - 2028										
	ONSITE	0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE	5.80	26.01	31.81	21.98	0.20	22.18	5.90	0.19	6.08
	TOTAL	6.47	40.24	46.71	21.98	1.10	23.09	5.90	1.09	6.99
Residential - BUILDING CONSTRUCTION - 2029										
	ONSITE	0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE	5.52	25.36	30.88	21.98	0.19	22.17	5.90	0.18	6.08
	TOTAL	6.19	39.59	45.78	21.98	1.10	23.08	5.90	1.08	6.98
Residential - BUILDING CONSTRUCTION - 2030										
	ONSITE	0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE	5.25	24.84	30.09	21.98	0.18	22.17	5.90	0.17	6.07
	TOTAL	5.92	39.07	44.99	21.98	1.09	23.07	5.90	1.08	6.97
Residential - Arch Coating - 2024										
	ONSITE	7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE	1.27	0.82	2.09	3.82	0.02	3.83	1.01	0.02	1.03
	TOTAL	8.82	2.17	10.99	3.82	0.11	3.93	1.01	0.11	1.12
Residential - Arch Coating - 2025										
	ONSITE	7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE	1.20	0.73	1.94	3.82	0.02	3.83	1.01	0.02	1.03
	TOTAL	8.75	2.09	10.84	3.82	0.11	3.93	1.01	0.11	1.12
Residential - Arch Coating - 2026										
	ONSITE	7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE	1.15	0.67	1.81	3.82	0.02	3.83	1.01	0.01	1.03
	TOTAL	8.69	2.02	10.71	3.82	0.11	3.93	1.01	0.11	1.12
Residential - Arch Coating - 2027										
	ONSITE	7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE	1.09	0.61	1.70	3.82	0.01	3.83	1.01	0.01	1.03
	TOTAL	8.64	1.96	10.60	3.82	0.11	3.93	1.01	0.11	1.12
Residential - Arch Coating - 2028										
	ONSITE	7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE	1.04	0.56	1.59	3.82	0.01	3.83	1.01	0.01	1.03
	TOTAL	8.58	1.91	10.50	3.82	0.11	3.93	1.01	0.11	1.12

Residential - Arch Coating - 2029										
	ONSITE	7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE	0.98	0.52	1.50	3.82	0.01	3.83	1.01	0.01	1.02
	TOTAL	8.53	1.87	10.40	3.82	0.11	3.92	1.01	0.11	1.12
Residential - Arch Coating - 2030										
	ONSITE	7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE	0.93	0.48	1.41	3.82	0.01	3.83	1.01	0.01	1.02
	TOTAL	8.48	1.84	10.32	3.82	0.11	3.92	1.01	0.11	1.12
Residential - Paving - 2030										
	ONSITE	0.56	11.30	11.86	0.00	0.61	0.61	0.00	0.61	0.61
	OFFSITE	0.04	0.02	0.05	0.15	0.00	0.15	0.04	0.00	0.04
	TOTAL	0.60	11.31	11.91	0.15	0.61	0.76	0.04	0.61	0.65
Commercial & Educational - Building Construction - 2024										
	ONSITE	0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE	0.55	2.79	3.33	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	1.22	17.01	18.23	1.72	0.92	2.64	0.46	0.92	1.39
Commercial & Educational - Building Construction - 2025										
	ONSITE	0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE	0.52	2.70	3.22	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	1.19	16.93	18.12	1.72	0.92	2.64	0.46	0.92	1.38
Commercial & Educational - Building Construction - 2026										
	ONSITE	0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE	0.49	2.63	3.12	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	1.17	16.85	18.02	1.72	0.92	2.64	0.46	0.92	1.38
Commercial & Educational - Building Construction - 2027										
	ONSITE	0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE	0.47	2.55	3.03	1.71	0.02	1.74	0.46	0.02	0.48
	TOTAL	1.15	16.78	17.93	1.71	0.92	2.64	0.46	0.92	1.38
Commercial & Educational - Building Construction - 2028										
	ONSITE	0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE	0.45	2.49	2.94	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	1.12	16.72	17.84	1.72	0.92	2.64	0.46	0.92	1.38
Commercial & Educational - Building Construction - 2029										
	ONSITE	0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE	0.43	2.44	2.86	1.72	0.02	1.73	0.46	0.02	0.48
	TOTAL	1.10	16.66	17.76	1.72	0.92	2.64	0.46	0.92	1.38
Commercial & Educational - Arch Coating - 2024										
	ONSITE	0.47	1.36	1.82	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE	0.10	0.06	0.16	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	0.56	1.42	1.98	0.29	0.10	0.38	0.08	0.10	0.17
Commercial & Educational - Arch Coating - 2025										
	ONSITE	0.47	1.36	1.82	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE	0.09	0.06	0.15	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	0.56	1.41	1.97	0.29	0.10	0.38	0.08	0.10	0.17
Commercial & Educational - Arch Coating - 2026										
	ONSITE	0.47	1.36	1.82	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE	0.09	0.05	0.14	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	0.55	1.41	1.96	0.29	0.10	0.38	0.08	0.10	0.17
Commercial & Educational - Arch Coating - 2027										
	ONSITE	0.47	1.36	1.82	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE	0.08	0.05	0.13	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	0.55	1.40	1.95	0.29	0.10	0.38	0.08	0.10	0.17
Commercial & Educational - Arch Coating - 2028										
	ONSITE	0.47	1.36	1.82	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE	0.08	0.04	0.12	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	0.54	1.40	1.94	0.29	0.10	0.38	0.08	0.10	0.17

Commercial & Educational - Arch Coating - 2029

	ONSITE	0.47	1.36	1.82	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE	0.07	0.04	0.11	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	0.54	1.40	1.94	0.29	0.10	0.38	0.08	0.10	0.17

Commercial & Educational - Paving - 2029

	ONSITE	0.55	11.30	11.85	0.00	0.61	0.61	0.00	0.61	0.61
	OFFSITE	0.04	0.02	0.06	0.15	0.00	0.15	0.04	0.00	0.04
	TOTAL	0.59	11.32	11.90	0.15	0.61	0.76	0.04	0.61	0.65

Hotel - Building Construction - 2026

	ONSITE	0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE	0.08	0.43	0.52	0.29	0.00	0.30	0.08	0.00	0.08
	TOTAL	0.76	14.66	15.42	0.29	0.91	1.20	0.08	0.91	0.99

Hotel - Paving - 2026

	ONSITE	0.44	9.09	9.53	0.00	0.52	0.52	0.00	0.52	0.52
	OFFSITE	0.06	0.03	0.09	0.20	0.00	0.20	0.05	0.00	0.05
	TOTAL	0.50	9.12	9.62	0.20	0.53	0.72	0.05	0.53	0.58

Hotel - Arch Coating - 2026

	ONSITE	15.46	1.36	16.82	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE	0.01	0.01	0.02	0.05	0.00	0.05	0.01	0.00	0.01
	TOTAL	15.48	1.37	16.84	0.05	0.10	0.14	0.01	0.10	0.11

EMISSIONS SUMMARY (LBS/DAY)

CONSTRUCTION ACTIVITY	QUARTER	DAYS/ QUARTER	EMISSIONS (LBS/DAY)									
			ROG	NOX	ROG+NOX	PM10			PM2.5			
						FUG	EXH	TOTAL	FUG	EXH	TOTAL	
LBS/DAY BY QUARTER												
Grubbing - 2023												
	ONSITE			0.92	18.31	19.24	0.00	0.86	0.86	0.00	0.86	0.86
	OFFSITE			0.05	0.04	0.09	0.15	0.00	0.15	0.04	0.00	0.04
	TOTAL	2023 - Q1	62	0.98	18.35	19.33	0.15	0.86	1.01	0.04	0.86	0.90
Grubbing - 2023												
	ONSITE			0.92	18.31	19.24	0.00	0.86	0.86	0.00	0.86	0.86
	OFFSITE			0.05	0.03	0.08	0.15	0.00	0.15	0.04	0.00	0.04
	TOTAL	2023 - Q2	46	0.97	18.34	19.32	0.15	0.86	1.01	0.04	0.86	0.90
Site Prep - 2023												
	ONSITE			0.93	19.07	20.00	7.67	0.95	8.61	3.94	0.95	4.89
	OFFSITE			0.06	0.04	0.11	0.18	0.00	0.18	0.05	0.00	0.05
	TOTAL	2023 - Q1	45	0.99	19.11	20.10	7.84	0.95	8.79	3.99	0.95	4.93
Site Prep - 2023												
	ONSITE			0.93	19.07	20.00	7.67	0.95	8.61	3.94	0.95	4.89
	OFFSITE			0.06	0.04	0.09	0.18	0.00	0.18	0.05	0.00	0.05
	TOTAL	2023 - Q2	63	0.99	19.10	20.09	7.84	0.95	8.79	3.99	0.95	4.93
Grading - 2023												
	ONSITE			1.52	29.98	31.50	3.59	1.30	4.89	1.43	1.30	2.72
	OFFSITE			0.06	0.04	0.11	0.20	0.00	0.20	0.05	0.00	0.05
	TOTAL	2023 - Q3	63	1.59	30.02	31.61	3.79	1.30	5.09	1.48	1.30	2.78
Grading - 2023												
	Onsite			1.52	29.98	31.50	3.59	1.30	4.89	1.43	1.30	2.72
	Offsite			0.07	0.05	0.12	0.20	0.00	0.20	0.05	0.00	0.05
	Total	2023 - Q4	62	1.59	30.03	31.62	3.79	1.30	5.09	1.48	1.30	2.78
Building Construction - 2024												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			7.05	29.28	36.33	21.98	0.23	22.21	5.90	0.22	6.11
	TOTAL	2024 - Q1	62	7.72	43.51	51.23	21.98	1.13	23.12	5.90	1.12	7.02
Building Construction - 2024												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			6.45	27.97	34.42	21.98	0.23	22.21	5.90	0.22	6.11
	TOTAL	2024 - Q2	63	7.13	42.19	49.32	21.98	1.13	23.11	5.90	1.12	7.02
Building Construction - 2024												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			6.45	27.97	34.42	21.98	0.23	22.21	5.90	0.22	6.11
	TOTAL	2024 - Q3	63	7.13	42.19	49.32	21.98	1.13	23.11	5.90	1.12	7.02
Building Construction - 2024												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			7.05	29.28	36.33	21.98	0.23	22.21	5.90	0.22	6.11
	TOTAL	2024 - Q4	62	7.72	43.51	51.23	21.98	1.13	23.12	5.90	1.12	7.02
Building Construction - 2025												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			6.69	28.34	35.03	21.98	0.22	22.20	5.90	0.21	6.11
	TOTAL	2025 - Q1	62	7.37	42.57	49.93	21.98	1.13	23.11	5.90	1.11	7.01
Building Construction - 2025												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			6.11	27.08	33.20	21.98	0.22	22.20	5.90	0.21	6.11
	TOTAL	2025 - Q2	63	6.79	41.31	48.10	21.98	1.13	23.11	5.90	1.11	7.01
Building Construction - 2025												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			6.11	27.08	33.20	21.98	0.22	22.20	5.90	0.21	6.11
	TOTAL	2025 - Q3	63	6.79	41.31	48.10	21.98	1.13	23.11	5.90	1.11	7.01
Building Construction - 2025												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			6.69	28.34	35.03	21.98	0.22	22.20	5.90	0.21	6.11
	TOTAL	2025 - Q4	62	7.37	42.57	49.93	21.98	1.13	23.11	5.90	1.11	7.01
Building Construction - 2026												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			6.38	27.47	33.85	21.98	0.22	22.20	5.90	0.20	6.10
	TOTAL	2026 - Q1	62	7.05	41.70	48.75	21.98	1.12	23.10	5.90	1.11	7.00

Building Construction - 2026												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			5.82	26.26	32.08	21.98	0.21	22.20	5.90	0.20	6.10
	TOTAL	2026 - Q2	63	6.49	40.49	46.98	21.98	1.12	23.10	5.90	1.11	7.00
Building Construction - 2026												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			5.82	26.26	32.08	21.98	0.21	22.20	5.90	0.20	6.10
	TOTAL	2026 - Q3	63	6.49	40.49	46.98	21.98	1.12	23.10	5.90	1.11	7.00
Building Construction - 2026												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			6.38	27.47	33.85	21.98	0.22	22.20	5.90	0.20	6.10
	TOTAL	2026 - Q4	62	7.05	41.70	48.75	21.98	1.12	23.10	5.90	1.11	7.00
Building Construction - 2027												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			6.09	26.69	32.78	21.98	0.21	22.19	5.90	0.20	6.09
	TOTAL	2027 - Q1	62	6.76	40.91	47.68	21.98	1.11	23.09	5.90	1.10	7.00
Building Construction - 2027												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			5.54	25.52	31.06	21.98	0.21	22.19	5.90	0.19	6.09
	TOTAL	2027 - Q2	63	6.21	39.74	45.96	21.98	1.11	23.09	5.90	1.10	6.99
Building Construction - 2027												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			5.54	25.52	31.06	21.98	0.21	22.19	5.90	0.19	6.09
	TOTAL	2027 - Q3	63	6.21	39.74	45.96	21.98	1.11	23.09	5.90	1.10	6.99
Building Construction - 2027												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			6.09	26.69	32.78	21.98	0.21	22.19	5.90	0.20	6.09
	TOTAL	2027 - Q4	62	6.76	40.91	47.68	21.98	1.11	23.09	5.90	1.10	7.00
Building Construction - 2028												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			5.80	26.01	31.81	21.98	0.20	22.18	5.90	0.19	6.08
	TOTAL	2028 - Q1	62	6.47	40.24	46.71	21.98	1.10	23.09	5.90	1.09	6.99
Building Construction - 2028												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			5.27	24.88	30.15	21.98	0.20	22.18	5.90	0.19	6.08
	TOTAL	2028 - Q2	63	5.95	39.10	45.05	21.98	1.10	23.08	5.90	1.09	6.99
Building Construction - 2028												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			5.27	24.88	30.15	21.98	0.20	22.18	5.90	0.19	6.08
	TOTAL	2028 - Q3	63	5.95	39.10	45.05	21.98	1.10	23.08	5.90	1.09	6.99
Building Construction - 2028												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			5.80	26.01	31.81	21.98	0.20	22.18	5.90	0.19	6.08
	TOTAL	2028 - Q4	62	6.47	40.24	46.71	21.98	1.10	23.09	5.90	1.09	6.99
Building Construction - 2029												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			5.52	25.36	30.88	21.98	0.19	22.17	5.90	0.18	6.08
	TOTAL	2029 - Q1	62	6.19	39.59	45.78	21.98	1.10	23.08	5.90	1.08	6.98
Building Construction - 2029												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			5.01	24.26	29.27	21.98	0.19	22.17	5.90	0.18	6.08
	TOTAL	2029 - Q2	63	5.69	38.48	44.17	21.98	1.09	23.08	5.90	1.08	6.98
Building Construction - 2029												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			5.01	24.26	29.27	21.98	0.19	22.17	5.90	0.18	6.08
	TOTAL	2029 - Q3	63	5.69	38.48	44.17	21.98	1.09	23.08	5.90	1.08	6.98
Building Construction - 2029												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			5.52	25.36	30.88	21.98	0.19	22.17	5.90	0.18	6.08
	TOTAL	2029 - Q4	62	6.19	39.59	45.78	21.98	1.10	23.08	5.90	1.08	6.98
Building Construction - 2030												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			5.25	24.84	30.09	21.98	0.18	22.17	5.90	0.17	6.07
	TOTAL	2030 - Q1	62	5.92	39.07	44.99	21.98	1.09	23.07	5.90	1.08	6.97
Building Construction - 2030												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			4.76	23.76	28.53	21.98	0.18	22.17	5.90	0.17	6.07
	TOTAL	2030 - Q2	63	5.44	37.99	43.43	21.98	1.09	23.07	5.90	1.08	6.97

Building Construction - 2030												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			4.76	23.76	28.53	21.98	0.18	22.17	5.90	0.17	6.07
	TOTAL	2030 - Q3	63	5.44	37.99	43.43	21.98	1.09	23.07	5.90	1.08	6.97
Building Construction - 2030												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			5.25	24.84	30.09	21.98	0.18	22.17	5.90	0.17	6.07
	TOTAL	2030 - Q4	62	5.92	39.07	44.99	21.98	1.09	23.07	5.90	1.08	6.97
Arch Coating - 2024												
	ONSITE			7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE			1.27	0.82	2.09	3.82	0.02	3.83	1.01	0.02	1.03
	TOTAL	2024 - Q1	23	8.82	2.17	10.99	3.82	0.11	3.93	1.01	0.11	1.12
Arch Coating - 2024												
	ONSITE			7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE			1.15	0.72	1.87	3.82	0.02	3.83	1.01	0.02	1.03
	TOTAL	2024 - Q2	63	8.69	2.08	10.77	3.82	0.11	3.93	1.01	0.11	1.12
Arch Coating - 2024												
	ONSITE			7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE			1.15	0.72	1.87	3.82	0.02	3.83	1.01	0.02	1.03
	TOTAL	2024 - Q3	63	8.69	2.08	10.77	3.82	0.11	3.93	1.01	0.11	1.12
Arch Coating - 2024												
	ONSITE			7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE			1.27	0.82	2.09	3.82	0.02	3.83	1.01	0.02	1.03
	TOTAL	2024 - Q4	62	8.82	2.17	10.99	3.82	0.11	3.93	1.01	0.11	1.12
Arch Coating - 2025												
	ONSITE			7.55	1.36	0.00	0.05	0.05	0.10	0.00	0.10	0.10
	OFFSITE			1.20	0.73	1.94	3.82	0.02	3.83	1.01	0.02	1.03
	TOTAL	2025 - Q1	62	8.75	2.09	10.84	3.82	0.11	3.93	1.01	0.11	1.12
Arch Coating - 2025												
	ONSITE			7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE			1.08	0.65	1.73	3.82	0.02	3.83	1.01	0.02	1.03
	TOTAL	2025 - Q2	63	8.63	2.00	10.63	3.82	0.11	3.93	1.01	0.11	1.12
Arch Coating - 2025												
	ONSITE			7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE			1.08	0.65	1.73	3.82	0.02	3.83	1.01	0.02	1.03
	TOTAL	2025 - Q3	63	8.63	2.00	10.63	3.82	0.11	3.93	1.01	0.11	1.12
Arch Coating - 2025												
	ONSITE			7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE			1.20	0.73	1.94	3.82	0.02	3.83	1.01	0.02	1.03
	TOTAL	2025 - Q4	62	8.75	2.09	10.84	3.82	0.11	3.93	1.01	0.11	1.12
Arch Coating - 2026												
	ONSITE			7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE			1.15	0.67	1.81	3.82	0.02	3.83	1.01	0.01	1.03
	TOTAL	2026 - Q1	62	8.69	2.02	10.71	3.82	0.11	3.93	1.01	0.11	1.12
Arch Coating - 2026												
	ONSITE			7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE			1.03	0.59	1.61	3.82	0.02	3.83	1.01	0.01	1.03
	TOTAL	2026 - Q2	63	8.58	1.94	10.52	3.82	0.11	3.93	1.01	0.11	1.12
Arch Coating - 2026												
	ONSITE			7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE			1.03	0.59	1.61	3.82	0.02	3.83	1.01	0.01	1.03
	TOTAL	2026 - Q3	63	8.58	1.94	10.52	3.82	0.11	3.93	1.01	0.11	1.12
Arch Coating - 2026												
	ONSITE			7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE			1.15	0.67	1.81	3.82	0.02	3.83	1.01	0.01	1.03
	TOTAL	2026 - Q4	62	8.69	2.02	10.71	3.82	0.11	3.93	1.01	0.11	1.12
Arch Coating - 2027												
	ONSITE			7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE			1.09	0.61	1.70	3.82	0.01	3.83	1.01	0.01	1.03
	TOTAL	2027 - Q1	62	8.64	1.96	10.60	3.82	0.11	3.93	1.01	0.11	1.12
Arch Coating - 2027												
	ONSITE			7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE			0.98	0.53	1.51	3.82	0.01	3.83	1.01	0.01	1.03
	TOTAL	2027 - Q2	63	8.52	1.89	10.42	3.82	0.11	3.93	1.01	0.11	1.12
Arch Coating - 2027												
	ONSITE			7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE			0.98	0.53	1.51	3.82	0.01	3.83	1.01	0.01	1.03
	TOTAL	2027 - Q3	63	8.52	1.89	10.42	3.82	0.11	3.93	1.01	0.11	1.12

Arch Coating - 2027												
	ONSITE			7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE			1.09	0.61	1.70	3.82	0.01	3.83	1.01	0.01	1.03
	TOTAL	2027 - Q4	62	8.64	1.96	10.60	3.82	0.11	3.93	1.01	0.11	1.12
Arch Coating - 2028												
	ONSITE			7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE			1.04	0.56	1.59	3.82	0.01	3.83	1.01	0.01	1.03
	TOTAL	2028 - Q1	62	8.58	1.91	10.50	3.82	0.11	3.93	1.01	0.11	1.12
Arch Coating - 2028												
	ONSITE			7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE			0.93	0.49	1.42	3.82	0.01	3.83	1.01	0.01	1.03
	TOTAL	2028 - Q2	63	8.47	1.85	10.32	3.82	0.11	3.93	1.01	0.11	1.12
Arch Coating - 2028												
	ONSITE			7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE			0.93	0.49	1.42	3.82	0.01	3.83	1.01	0.01	1.03
	TOTAL	2028 - Q3	63	8.47	1.85	10.32	3.82	0.11	3.93	1.01	0.11	1.12
Arch Coating - 2028												
	ONSITE			7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE			1.04	0.56	1.59	3.82	0.01	3.83	1.01	0.01	1.03
	TOTAL	2028 - Q4	62	8.58	1.91	10.50	3.82	0.11	3.93	1.01	0.11	1.12
Arch Coating - 2029												
	ONSITE			7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE			0.98	0.52	1.50	3.82	0.01	3.83	1.01	0.01	1.02
	TOTAL	2029 - Q1	62	8.53	1.87	10.40	3.82	0.11	3.92	1.01	0.11	1.12
Arch Coating - 2029												
	ONSITE			7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE			0.88	0.45	1.33	3.82	0.01	3.83	1.01	0.01	1.02
	TOTAL	2029 - Q2	63	8.42	1.81	10.24	3.82	0.11	3.92	1.01	0.11	1.12
Arch Coating - 2029												
	ONSITE			7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE			0.88	0.45	1.33	3.82	0.01	3.83	1.01	0.01	1.02
	TOTAL	2029 - Q3	63	8.42	1.81	10.24	3.82	0.11	3.92	1.01	0.11	1.12
Arch Coating - 2029												
	ONSITE			7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE			0.98	0.52	1.50	3.82	0.01	3.83	1.01	0.01	1.02
	TOTAL	2029 - Q4	62	8.53	1.87	10.40	3.82	0.11	3.92	1.01	0.11	1.12
Arch Coating - 2030												
	ONSITE			7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE			0.93	0.48	1.41	3.82	0.01	3.83	1.01	0.01	1.02
	TOTAL	2030 - Q1	62	8.48	1.84	10.32	3.82	0.11	3.92	1.01	0.11	1.12
Arch Coating - 2030												
	ONSITE			7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE			0.08	0.42	0.51	3.82	0.01	3.83	1.01	0.01	1.02
	TOTAL	2030 - Q2	63	7.63	1.78	9.41	3.82	0.11	3.92	1.01	0.11	1.12
Arch Coating - 2030												
	ONSITE			7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE			0.08	0.42	0.51	3.82	0.01	3.83	1.01	0.01	1.02
	TOTAL	2030 - Q3	63	7.63	1.78	9.41	3.82	0.11	3.92	1.01	0.11	1.12
Arch Coating - 2030												
	ONSITE			7.55	1.36	8.90	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE			0.93	0.48	1.41	3.82	0.01	3.83	1.01	0.01	1.02
	TOTAL	2030 - Q4	62	8.48	1.84	10.32	3.82	0.11	3.92	1.01	0.11	1.12
Paving - 2030												
	ONSITE			0.56	11.30	11.86	0.00	0.61	0.61	0.00	0.61	0.61
	OFFSITE			0.04	0.02	0.05	0.15	0.00	0.15	0.04	0.00	0.04
	TOTAL	2030 - Q1	42	0.60	11.31	11.91	0.15	0.61	0.76	0.04	0.61	0.65
Paving - 2030												
	ONSITE			0.56	11.30	11.86	0.00	0.61	0.61	0.00	0.61	0.61
	OFFSITE			0.03	0.02	0.05	0.15	0.00	0.15	0.04	0.00	0.04
	TOTAL	2030 - Q2	63	0.59	11.31	11.90	0.15	0.61	0.76	0.04	0.61	0.65

Paving - 2030												
	ONSITE			0.56	11.30	11.86	0.00	0.61	0.61	0.00	0.61	0.61
	OFFSITE			0.03	0.02	0.05	0.15	0.00	0.15	0.04	0.00	0.04
	TOTAL	2030 - Q3	63	0.59	11.31	11.90	0.15	0.61	0.76	0.04	0.61	0.65
Paving - 2030												
	ONSITE			0.56	11.30	11.86	0.00	0.61	0.61	0.00	0.61	0.61
	OFFSITE			0.04	0.02	0.05	0.15	0.00	0.15	0.04	0.00	0.04
	TOTAL	2030 - Q4	42	0.60	11.31	11.91	0.15	0.61	0.76	0.04	0.61	0.65
Commercial and Educational - Building construction - 2024												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			0.55	2.79	3.33	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	2024 - Q1	62	1.22	17.01	18.23	1.72	0.92	2.64	0.46	0.92	1.39
Commercial and Educational - Building construction - 2024												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			0.50	2.67	3.17	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	2024 - Q2	63	1.17	16.89	18.07	1.72	0.92	2.64	0.46	0.92	1.38
Commercial and Educational - Building construction - 2024												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			0.50	2.67	3.17	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	2024 - Q3	63	1.17	16.89	18.07	1.72	0.92	2.64	0.46	0.92	1.38
Commercial and Educational - Building construction - 2024												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			0.55	2.79	3.33	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	2024 - Q4	62	1.22	17.01	18.23	1.72	0.92	2.64	0.46	0.92	1.39
Commercial and Educational - Building construction - 2025												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			0.52	2.70	3.22	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	2025 - Q1	63	1.19	16.93	18.12	1.72	0.92	2.64	0.46	0.92	1.38
Commercial and Educational - Building construction - 2025												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			0.47	2.59	3.06	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	2025 - Q2	63	1.15	16.82	17.96	1.72	0.92	2.64	0.46	0.92	1.38
Commercial and Educational - Building construction - 2025												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			0.47	2.59	3.06	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	2025 - Q3	63	1.15	16.82	17.96	1.72	0.92	2.64	0.46	0.92	1.38
Commercial and Educational - Building construction - 2025												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			0.52	2.70	3.22	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	2025 - Q4	62	1.19	16.93	18.12	1.72	0.92	2.64	0.46	0.92	1.38
Commercial and Educational - Building construction - 2026												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			0.49	2.63	3.12	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	2026 - Q1	62	1.17	16.85	18.02	1.72	0.92	2.64	0.46	0.92	1.38
Commercial and Educational - Building construction - 2026												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			0.45	2.52	2.97	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	2026 - Q2	63	1.13	16.74	17.87	1.72	0.92	2.64	0.46	0.92	1.38
Commercial and Educational - Building construction - 2026												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			0.45	2.52	2.97	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	2026 - Q3	63	1.13	16.74	17.87	1.72	0.92	2.64	0.46	0.92	1.38
Commercial and Educational - Building construction - 2026												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			0.49	2.63	3.12	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	2026 - Q4	62	1.17	16.85	18.02	1.72	0.92	2.64	0.46	0.92	1.38

Commercial and Educational - Building construction - 2027												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			0.47	2.55	3.03	1.71	0.02	1.74	0.46	0.02	0.48
	TOTAL	2027 - Q1	62	1.15	16.78	17.93	1.71	0.92	2.64	0.46	0.92	1.38
Commercial and Educational - Building construction - 2027												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			0.43	2.45	2.88	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	2027 - Q2	63	1.11	16.67	17.78	1.72	0.92	2.64	0.46	0.92	1.38
Commercial and Educational - Building construction - 2027												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			0.43	2.45	2.88	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	2027 - Q3	63	1.11	16.67	17.78	1.72	0.92	2.64	0.46	0.92	1.38
Commercial and Educational - Building construction - 2027												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			0.47	2.55	3.03	1.71	0.02	1.74	0.46	0.02	0.48
	TOTAL	2027 - Q4	62	1.15	16.78	17.93	1.71	0.92	2.64	0.46	0.92	1.38
Commercial and Educational - Building construction - 2028												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			0.45	2.49	2.94	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	2028 - Q1	62	1.12	16.72	17.84	1.72	0.92	2.64	0.46	0.92	1.38
Commercial and Educational - Building construction - 2028												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			0.41	2.39	2.80	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	2028 - Q2	63	1.08	16.62	17.70	1.72	0.92	2.64	0.46	0.92	1.38
Commercial and Educational - Building construction - 2028												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			0.41	2.39	2.80	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	2028 - Q3	63	1.08	16.62	17.70	1.72	0.92	2.64	0.46	0.92	1.38
Commercial and Educational - Building construction - 2028												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			0.45	2.49	2.94	1.72	0.02	1.74	0.46	0.02	0.48
	TOTAL	2028 - Q4	62	1.12	16.72	17.84	1.72	0.92	2.64	0.46	0.92	1.38
Commercial and Educational - Building construction - 2029												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			0.43	2.44	2.86	1.72	0.02	1.73	0.46	0.02	0.48
	TOTAL	2029 - Q1	62	1.10	16.66	17.76	1.72	0.92	2.64	0.46	0.92	1.38
Commercial and Educational - Building construction - 2029												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			0.39	2.33	2.72	1.72	0.02	1.73	0.46	0.02	0.48
	TOTAL	2029 - Q2	63	1.06	16.56	17.62	1.72	0.92	2.64	0.46	0.92	1.38
Commercial and Educational - Building construction - 2029												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			0.39	2.33	2.72	1.72	0.02	1.73	0.46	0.02	0.48
	TOTAL	2029 - Q3	63	1.06	16.56	17.62	1.72	0.92	2.64	0.46	0.92	1.38
Commercial and Educational - Building construction - 2029												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			0.43	2.44	2.86	1.72	0.02	1.73	0.46	0.02	0.48
	TOTAL	2029 - Q4	42	1.10	16.66	17.76	1.72	0.92	2.64	0.46	0.92	1.38
Commercial and Educational - Arch Coating - 2024												
	ONSITE			0.47	1.36	1.82	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE			0.09	0.05	0.14	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	2024 - Q2	63	0.55	1.41	1.96	0.29	0.10	0.38	0.08	0.10	0.17
Commercial and Educational - Arch Coating - 2024												
	ONSITE			0.47	1.36	1.82	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE			0.09	0.05	0.14	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	2024 - Q3	63	0.55	1.41	1.96	0.29	0.10	0.38	0.08	0.10	0.17

Commercial and Educational - Arch Coating - 2028												
	ONSITE			0.47	1.36	1.82	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE			0.07	0.04	0.11	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	2028 - Q2	63	0.54	1.39	1.93	0.29	0.10	0.38	0.08	0.10	0.17
Commercial and Educational - Arch Coating - 2028												
	ONSITE			0.47	1.36	1.82	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE			0.07	0.04	0.11	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	2028 - Q3	63	0.54	1.39	1.93	0.29	0.10	0.38	0.08	0.10	0.17
Commercial and Educational - Arch Coating - 2028												
	ONSITE			0.47	1.36	1.82	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE			0.08	0.04	0.12	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	2028 - Q4	62	0.54	1.40	1.94	0.29	0.10	0.38	0.08	0.10	0.17
Commercial and Educational - Arch Coating - 2029												
	ONSITE			0.47	1.36	1.82	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE			0.07	0.04	0.11	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	2029 - Q1	62	0.54	1.40	1.94	0.29	0.10	0.38	0.08	0.10	0.17
Commercial and Educational - Arch Coating - 2029												
	ONSITE			0.47	1.36	1.82	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE			0.07	0.03	0.10	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	2029 - Q2	63	0.53	1.39	1.92	0.29	0.10	0.38	0.08	0.10	0.17
Commercial and Educational - Arch Coating - 2029												
	ONSITE			0.47	1.36	1.82	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE			0.07	0.03	0.10	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	2029 - Q3	63	0.53	1.39	1.92	0.29	0.10	0.38	0.08	0.10	0.17
Commercial and Educational - Arch Coating - 2029												
	ONSITE			0.47	1.36	1.82	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE			0.07	0.04	0.11	0.29	0.00	0.29	0.08	0.00	0.08
	TOTAL	2029 - Q4	62	0.54	1.40	1.94	0.29	0.10	0.38	0.08	0.10	0.17
Commercial and Educational - Paving - 2029												
	ONSITE			0.55	11.30	11.85	0.00	0.61	0.61	0.00	0.61	0.61
	OFFSITE			0.04	0.02	0.06	0.15	0.00	0.15	0.04	0.00	0.04
	TOTAL	2029 - Q4	20	0.59	11.32	11.90	0.15	0.61	0.76	0.04	0.61	0.65
Hotel - Building Construction - 2026												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			0.08	0.43	0.52	0.29	0.00	0.30	0.08	0.00	0.08
	TOTAL	2026 - Q1	62	0.76	14.66	15.42	0.29	0.91	1.20	0.08	0.91	0.99
Hotel - Building Construction - 2026												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			0.08	0.41	0.49	0.29	0.00	0.30	0.08	0.00	0.08
	TOTAL	2026 - Q2	63	0.75	14.64	15.39	0.29	0.91	1.20	0.08	0.91	0.99
Hotel - Building Construction - 2026												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			0.08	0.41	0.49	0.29	0.00	0.30	0.08	0.00	0.08
	TOTAL	2026 - Q3	63	0.75	14.64	15.39	0.29	0.91	1.20	0.08	0.91	0.99
Hotel - Building Construction - 2026												
	ONSITE			0.67	14.23	14.90	0.00	0.90	0.90	0.00	0.90	0.90
	OFFSITE			0.08	0.43	0.52	0.29	0.00	0.30	0.08	0.00	0.08
	TOTAL	2026 - Q4	42	0.76	14.66	15.42	0.29	0.91	1.20	0.08	0.91	0.99
Hotel - Paving - 2026												
	ONSITE			0.44	9.09	9.53	0.00	0.52	0.52	0.00	0.52	0.52
	OFFSITE			0.06	0.03	0.09	0.20	0.00	0.20	0.05	0.00	0.05
	TOTAL	2026 - Q4	18	0.50	9.12	9.62	0.20	0.53	0.72	0.05	0.53	0.58
Hotel - Arch Coating - 2026												
	ONSITE			15.46	1.36	16.82	0.00	0.10	0.10	0.00	0.10	0.10
	OFFSITE			0.01	0.01	0.02	0.05	0.00	0.05	0.01	0.00	0.01
	TOTAL	2026 - Q4	18	15.48	1.37	16.84	0.05	0.10	0.14	0.01	0.10	0.11

EMISSIONS SUMMARY (LBS/QTR)

CONSTRUCTION ACTIVITY	EMISSIONS (LBS/QTR)						
	ROG+NOX	PM10			PM2.5		
		FUG	EXH	TOTAL	FUG	EXH	TOTAL
LBS/QUARTER							
Grubbing - 2023							
2023 - Q1	1198.18	9.19	53.53	62.73	2.44	53.53	55.97
Grubbing - 2023							
2023 - Q2	888.55	6.82	39.72	46.54	1.81	39.71	41.52
Site Prep - 2023							
2023 - Q1	904.60	352.99	42.62	395.60	179.42	42.61	222.03
Site Prep - 2023							
2023 - Q2	1265.75	494.18	59.66	553.85	251.19	59.66	310.85
Grading - 2023							
2023 - Q3	1991.20	238.59	81.92	320.46	93.08	81.92	175.00
Grading - 2023							
2023 - Q4	1960.35	234.80	80.62	315.43	91.60	80.62	172.22
Building Construction - 2024							
2024 - Q1	3176.32	1362.83	70.30	1433.13	365.53	69.49	435.02
Building Construction - 2024							
2024 - Q2	3107.16	1384.81	71.39	1456.19	371.42	70.57	441.99
Building Construction - 2024							
2024 - Q3	3107.16	1384.81	71.39	1456.19	371.42	70.57	441.99
Building Construction - 2024							
2024 - Q4	3176.32	1362.83	70.30	1433.13	365.53	69.49	435.02
Building Construction - 2025							
2025 - Q1	3095.88	1362.85	69.85	1432.70	365.54	69.07	434.61

Building Construction - 2025

2025 - Q2	3030.11	1384.83	70.93	1455.75	371.44	70.14	441.57
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Building Construction - 2025

2025 - Q3	3030.11	1384.83	70.93	1455.75	371.44	70.14	441.57
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Building Construction - 2025

2025 - Q4	3095.88	1362.85	69.85	1432.70	365.54	69.07	434.61
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Building Construction - 2026

2026 - Q1	3022.78	1362.87	69.37	1432.24	365.55	68.62	434.16
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Building Construction - 2026

2026 - Q2	2959.78	1384.85	70.45	1455.29	371.44	69.68	441.12
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Building Construction - 2026

2026 - Q3	2959.78	1384.85	70.45	1455.29	371.44	69.68	441.12
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Building Construction - 2026

2026 - Q4	3022.78	1362.87	69.37	1432.24	365.55	68.62	434.16
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Building Construction - 2027

2027 - Q1	2955.86	1362.88	68.87	1431.75	365.55	68.15	433.70
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Building Construction - 2027

2027 - Q2	2895.37	1384.87	69.94	1454.81	371.45	69.21	440.60
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Building Construction - 2027

2027 - Q3	2895.37	1384.87	69.94	1454.81	371.45	69.21	440.60
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Building Construction - 2027

2027 - Q4	2955.86	1362.88	68.87	1431.75	365.55	68.15	433.70
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Building Construction - 2028

2028 - Q1	2896.26	1362.90	68.39	1431.29	365.56	67.69	433.25
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Building Construction - 2028

2028 - Q2	2838.24	1384.88	69.45	1454.33	371.45	68.75	440.20
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Building Construction - 2028

2028 - Q3	2838.24	1384.88	69.45	1454.33	371.45	68.75	440.20
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Building Construction - 2028

2028 - Q4	2896.26	1362.90	68.39	1431.29	365.56	67.69	433.25
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Building Construction - 2029

2029 - Q1	2838.49	1362.92	67.91	1430.82	365.56	67.25	432.80
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Building Construction - 2029

2029 - Q2	2782.76	1384.90	68.97	1453.86	371.46	68.29	439.75
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Building Construction - 2029

2029 - Q3	2782.76	1384.90	68.97	1453.86	371.46	68.29	439.75
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Building Construction - 2029

2029 - Q4	2838.49	1362.92	67.91	1430.82	365.56	67.25	432.80
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Building Construction - 2030

2030 - Q1	2789.50	1362.93	67.48	1430.41	365.57	66.85	432.41
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Building Construction - 2030

2030 - Q2	2735.89	1384.91	68.54	1453.45	371.47	67.90	439.36
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Building Construction - 2030

2030 - Q3	2735.89	1384.91	68.54	1453.45	371.47	67.90	439.36
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Building Construction - 2030

2030 - Q4	2789.50	1362.93	67.48	1430.41	365.57	66.85	432.41
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Arch Coating - 2024

2024 - Q1	252.79	87.77	2.59	90.36	23.28	2.56	25.83
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Arch Coating - 2024

2024 - Q2	678.54	240.41	7.09	247.50	63.76	7.00	70.76
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Arch Coating - 2024

2024 - Q3	678.54	240.41	7.09	247.50	63.76	7.00	70.76
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Arch Coating - 2024

2024 - Q4	681.44	236.60	6.98	243.57	62.75	6.89	69.64
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Arch Coating - 2025

2025 - Q1	672.16	236.60	6.93	243.52	62.75	6.84	69.60
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Arch Coating - 2025

2025 - Q2	669.95	240.41	7.04	247.45	63.76	6.96	70.72
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Arch Coating - 2025

2025 - Q3	669.95	240.41	7.04	247.45	63.76	6.96	70.72
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Arch Coating - 2025

2025 - Q4	672.16	236.60	6.93	243.52	62.75	6.84	69.60
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Arch Coating - 2026

2026 - Q1	664.31	236.60	6.88	243.47	62.75	6.80	69.55
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Arch Coating - 2026

2026 - Q2	662.67	240.41	6.99	247.40	63.76	6.91	70.67
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Arch Coating - 2026

2026 - Q3	662.67	240.41	6.99	247.40	63.76	6.91	70.67
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Arch Coating - 2026

2026 - Q4	664.31	236.60	6.88	243.47	62.75	6.80	69.55
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Arch Coating - 2027

2027 - Q1	657.31	236.60	6.82	243.42	62.75	6.75	69.50
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Arch Coating - 2027

2027 - Q2	656.18	240.41	6.93	247.34	63.76	6.85	70.62
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Arch Coating - 2027

2027 - Q3	656.18	240.41	6.93	247.34	63.76	6.85	70.62
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Arch Coating - 2027

2027 - Q4	657.31	236.60	6.82	243.42	62.75	6.75	69.50
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Arch Coating - 2028

2028 - Q1	650.92	236.60	6.76	243.36	62.75	6.70	69.45
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Arch Coating - 2028

2028 - Q2	650.28	240.41	6.87	247.28	63.76	6.80	70.57
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Arch Coating - 2028

2028 - Q3	650.28	240.41	6.87	247.28	63.76	6.80	70.57
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Arch Coating - 2028

2028 - Q4	650.92	236.60	6.76	243.36	62.75	6.70	69.45
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Arch Coating - 2029

2029 - Q1	645.04	236.60	6.71	243.31	62.75	6.65	69.40
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Arch Coating - 2029

2029 - Q2	644.86	240.41	6.82	247.23	63.76	6.75	70.52
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Arch Coating - 2029

2029 - Q3	644.86	240.41	6.82	247.23	63.76	6.75	70.52
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Arch Coating - 2029

2029 - Q4	645.04	236.60	6.71	243.31	62.75	6.65	69.40
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Arch Coating - 2030

2030 - Q1	639.64	236.60	6.66	243.25	62.75	6.60	69.35
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Arch Coating - 2030

2030 - Q2	592.82	240.41	6.77	247.17	63.76	6.70	70.47
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Arch Coating - 2030

2030 - Q3	592.82	240.41	6.77	247.17	63.76	6.70	70.47
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Arch Coating - 2030

2030 - Q4	639.64	236.60	6.66	243.25	62.75	6.60	69.35
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Paving - 2030

2030 - Q1	500.26	6.23	25.61	31.84	1.65	25.61	27.26
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Paving - 2030

2030 - Q2	750.00	9.34	38.42	47.76	2.48	38.41	40.89
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Paving - 2030

2030 - Q3	750.00	9.34	38.42	47.76	2.48	38.41	40.89
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Paving - 2030

2030 - Q4	500.26	6.23	25.61	31.84	1.65	25.61	27.26
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Commercial and Educational - Building construction - 2024

2024 - Q1	1130.32	106.45	57.30	163.75	28.64	57.23	85.87
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Commercial and Educational - Building construction - 2024

2024 - Q2	1138.32	108.17	58.22	166.39	29.10	58.15	87.25
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Commercial and Educational - Building construction - 2024

2024 - Q3	1138.32	108.17	58.22	166.39	29.10	58.15	87.25
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Commercial and Educational - Building construction - 2024

2024 - Q4	1130.32	106.45	57.30	163.75	28.64	57.23	85.87
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Commercial and Educational - Building construction - 2025

2025 - Q1	1141.60	108.17	58.19	166.36	29.10	58.12	87.22
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Commercial and Educational - Building construction - 2025

2025 - Q2	1131.74	108.17	58.18	166.35	29.10	58.11	87.21
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Commercial and Educational - Building construction - 2025

2025 - Q3	1131.74	108.17	58.18	166.35	29.10	58.11	87.21
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Commercial and Educational - Building construction - 2025

2025 - Q4	1123.48	106.45	57.26	163.72	28.64	57.20	85.83

Commercial and Educational - Building construction - 2026

2026 - Q1	1117.20	106.45	57.22	163.67	28.64	57.16	85.80
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Commercial and Educational - Building construction - 2026

2026 - Q2	1125.68	108.17	58.14	166.31	29.10	58.07	87.17
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Commercial and Educational - Building construction - 2026

2026 - Q3	1125.68	108.17	58.14	166.31	29.10	58.07	87.17
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Commercial and Educational - Building construction - 2026

2026 - Q4	1117.20	106.45	57.22	163.67	28.64	57.16	85.80
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Commercial and Educational - Building construction - 2027

2027 - Q1	1111.44	106.02	57.18	163.64	28.64	57.11	85.75
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Commercial and Educational - Building construction - 2027

2027 - Q2	1120.10	108.17	58.10	166.27	29.10	58.04	87.14
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Commercial and Educational - Building construction - 2027

2027 - Q3	1120.10	108.17	58.10	166.27	29.10	58.04	87.14
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Commercial and Educational - Building construction - 2027

2027 - Q4	1111.44	106.02	57.18	163.64	28.64	57.11	85.75
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Commercial and Educational - Building construction - 2028

2028 - Q1	1106.32	106.46	57.14	163.60	28.64	57.08	85.72
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Commercial and Educational - Building construction - 2028

2028 - Q2	1115.16	108.18	58.05	166.23	29.10	58.00	87.09
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Commercial and Educational - Building construction - 2028

2028 - Q3	1115.16	108.18	58.05	166.23	29.10	58.00	87.09
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Commercial and Educational - Building construction - 2028

2028 - Q4	1106.32	106.46	57.14	163.60	28.64	57.08	85.72
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Commercial and Educational - Building construction - 2029

2029 - Q1	1101.32	106.46	57.10	163.56	28.64	57.04	85.68
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Commercial and Educational - Building construction - 2029

2029 - Q2	1110.34	108.17	58.02	166.19	29.10	57.95	87.05
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Commercial and Educational - Building construction - 2029

2029 - Q3	1110.34	108.17	58.02	166.19	29.10	57.95	87.05
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Commercial and Educational - Building construction - 2029

2029 - Q4	746.06	72.12	38.68	110.80	19.40	38.64	58.04
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Commercial and Educational - Arch Coating - 2024

2024 - Q2	123.71	18.06	6.07	24.14	4.79	6.07	10.85
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Commercial and Educational - Arch Coating - 2024

2024 - Q3	123.71	18.06	6.07	24.14	4.79	6.07	10.85
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Commercial and Educational - Arch Coating - 2024

2024 - Q4	122.78	17.78	5.98	23.75	4.71	5.97	10.68
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Commercial and Educational - Arch Coating - 2025

2025 - Q1	122.08	17.78	5.97	23.75	4.71	5.97	10.68
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Commercial and Educational - Arch Coating - 2025

2025 - Q2	123.06	18.06	6.07	24.14	4.79	6.06	10.85
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Commercial and Educational - Arch Coating - 2025

2025 - Q3	123.06	18.06	6.07	24.14	4.79	6.06	10.85
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Commercial and Educational - Arch Coating - 2025

2025 - Q4	122.08	17.78	5.97	23.75	4.71	5.97	10.68
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Commercial and Educational - Arch Coating - 2026

2026 - Q1	121.49	17.78	5.97	23.75	4.71	5.96	10.68
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Commercial and Educational - Arch Coating - 2026

2026 - Q2	122.52	18.06	6.07	24.13	4.79	6.06	10.85
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Commercial and Educational - Arch Coating - 2026

2026 - Q3	122.52	18.06	6.07	24.13	4.79	6.06	10.85
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Commercial and Educational - Arch Coating - 2026

2026 - Q4	120.58	17.78	5.97	23.75	4.71	5.96	10.68
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Commercial and Educational - Arch Coating - 2027

2027 - Q1	120.96	17.78	5.97	23.74	4.71	5.96	10.68
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Commercial and Educational - Arch Coating - 2027

2027 - Q2	122.03	18.06	6.07	24.12	4.79	6.06	10.85
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Commercial and Educational - Arch Coating - 2027

2027 - Q3	122.03	18.06	6.07	24.12	4.79	6.06	10.85
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Commercial and Educational - Arch Coating - 2027

2027 - Q4	120.96	17.78	5.97	23.74	4.71	5.96	10.68
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Commercial and Educational - Arch Coating - 2028

2028 - Q1	120.48	17.78	5.96	23.74	4.71	5.96	10.67
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Commercial and Educational - Arch Coating - 2028

2028 - Q2	121.59	18.06	6.06	24.12	4.79	6.05	10.84
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Commercial and Educational - Arch Coating - 2028

2028 - Q3	121.59	18.06	6.06	24.12	4.79	6.05	10.84
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Commercial and Educational - Arch Coating - 2028

2028 - Q4	120.48	17.78	5.96	23.74	4.71	5.96	10.67
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Commercial and Educational - Arch Coating - 2029

2029 - Q1	120.04	17.78	5.96	23.73	4.71	5.95	10.67
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Commercial and Educational - Arch Coating - 2029

2029 - Q2	121.18	18.06	6.05	24.12	4.79	6.05	10.84
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Commercial and Educational - Arch Coating - 2029

2029 - Q3	121.18	18.06	6.05	24.12	4.79	6.05	10.84
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Commercial and Educational - Arch Coating - 2029

2029 - Q4	120.04	17.78	5.96	23.73	4.71	5.95	10.67
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Commercial and Educational - Paving - 2029

2029 - Q4	238.06	2.97	12.20	15.16	0.79	12.20	12.98
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Hotel - Building Construction - 2026

2026 - Q1	955.86	18.20	56.22	74.43	4.89	56.21	61.11
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Hotel - Building Construction - 2026

2026 - Q2	969.68	18.50	57.13	75.63	4.97	57.12	62.09
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Hotel - Building Construction - 2026

2026 - Q3	969.68	18.50	57.13	75.63	4.97	57.12	62.09
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Hotel - Building Construction - 2026

2026 - Q4	647.52	12.33	38.09	50.42	3.31	38.08	41.40
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Hotel - Paving - 2026

2026 - Q4	173.19	3.56	9.46	13.02	0.94	9.46	10.40
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Hotel - Arch Coating - 2026

2026 - Q4	303.16	0.89	1.72	2.60	0.24	1.72	1.95
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EMISSIONS SUMMARY (TONS/QTR)

CONSTRUCTION ACTIVITY	EMISSIONS (TONS/QTR)						
	ROG+NOX	PM10			PM2.5		
		FUG	EXH	TOTAL	FUG	EXH	TOTAL
TONS/QTR							
Grubbing - 2023							
2023 - Q1			0.027				
			0.000				
	0.599	0.005	0.027	0.031	0.001	0.027	0.028
Grubbing - 2023							
2023 - Q2			0.020				
			0.000				
	0.444	0.003	0.020	0.023	0.001	0.020	0.021
Site Prep - 2023							
2023 - Q1			0.021				
			0.000				
	0.452	0.176	0.021	0.198	0.090	0.021	0.111
Site Prep - 2023							
2023 - Q2			0.030				
			0.000				
	0.633	0.247	0.030	0.277	0.126	0.030	0.155
Grading - 2023							
2023 - Q3			0.041				
			0.000				
	0.996	0.119	0.041	0.160	0.047	0.041	0.087
Grading - 2023							
2023 - Q4			0.040				
			0.000				
	0.980	0.117	0.040	0.158	0.046	0.040	0.086
Building Construction - 2024							
2024 - Q1			0.028				
			0.007				
	1.588	0.681	0.035	0.717	0.183	0.035	0.218
Building Construction - 2024							
2024 - Q2			0.028				
			0.007				
	1.554	0.692	0.036	0.728	0.186	0.035	0.221
Building Construction - 2024							
2024 - Q3			0.028				
			0.007				
	1.554	0.692	0.036	0.728	0.186	0.035	0.221
Building Construction - 2024							
2024 - Q4			0.028				
			0.007				
	1.588	0.681	0.035	0.717	0.183	0.035	0.218
Building Construction - 2025							
2025 - Q1			0.028				
			0.007				
	1.548	0.681	0.035	0.716	0.183	0.035	0.217

Building Construction - 2025

				0.028				
				0.007				
2025 - Q2	1.515	0.692	0.035	0.728	0.186	0.035	0.221	

Building Construction - 2025

				0.028				
				0.007				
2025 - Q3	1.515	0.692	0.035	0.728	0.186	0.035	0.221	

Building Construction - 2025

				0.028				
				0.007				
2025 - Q4	1.548	0.681	0.035	0.716	0.183	0.035	0.217	

Building Construction - 2026

				0.028				
				0.007				
2026 - Q1	1.511	0.681	0.035	0.716	0.183	0.034	0.217	

Building Construction - 2026

				0.028				
				0.007				
2026 - Q2	1.480	0.692	0.035	0.728	0.186	0.035	0.221	

Building Construction - 2026

				0.028				
				0.007				
2026 - Q3	1.480	0.692	0.035	0.728	0.186	0.035	0.221	

Building Construction - 2026

				0.028				
				0.007				
2026 - Q4	1.511	0.681	0.035	0.716	0.183	0.034	0.217	

Building Construction - 2027

				0.028				
				0.006				
2027 - Q1	1.478	0.681	0.034	0.716	0.183	0.034	0.217	

Building Construction - 2027

				0.028				
				0.007				
2027 - Q2	1.448	0.692	0.035	0.727	0.186	0.035	0.220	

Building Construction - 2027

				0.028				
				0.007				
2027 - Q3	1.448	0.692	0.035	0.727	0.186	0.035	0.220	

Building Construction - 2027

				0.028				
				0.006				
2027 - Q4	1.478	0.681	0.034	0.716	0.183	0.034	0.217	

Building Construction - 2028

				0.028				
				0.006				
2028 - Q1	1.448	0.681	0.034	0.716	0.183	0.034	0.217	

Building Construction - 2028

				0.028				
				0.006				
2028 - Q2	1.419	0.692	0.035	0.727	0.186	0.034	0.220	

Building Construction - 2028

			0.028					
			0.006					
2028 - Q3	1.419	0.692	0.035	0.727	0.186	0.034	0.220	

Building Construction - 2028

			0.028					
			0.006					
2028 - Q4	1.448	0.681	0.034	0.716	0.183	0.034	0.217	

Building Construction - 2029

			0.028					
			0.006					
2029 - Q1	1.419	0.681	0.034	0.715	0.183	0.034	0.216	

Building Construction - 2029

			0.028					
			0.006					
2029 - Q2	1.391	0.692	0.034	0.727	0.186	0.034	0.220	

Building Construction - 2029

			0.028					
			0.006					
2029 - Q3	1.391	0.692	0.034	0.727	0.186	0.034	0.220	

Building Construction - 2029

			0.028					
			0.006					
2029 - Q4	1.419	0.681	0.034	0.715	0.183	0.034	0.216	

Building Construction - 2030

			0.028					
			0.006					
2030 - Q1	1.395	0.681	0.034	0.715	0.183	0.033	0.216	

Building Construction - 2030

			0.028					
			0.006					
2030 - Q2	1.368	0.692	0.034	0.727	0.186	0.034	0.220	

Building Construction - 2030

			0.028					
			0.006					
2030 - Q3	1.368	0.692	0.034	0.727	0.186	0.034	0.220	

Building Construction - 2030

			0.028					
			0.006					
2030 - Q4	1.395	0.681	0.034	0.715	0.183	0.033	0.216	

Arch Coating - 2024

			0.001					
			0.000					
2024 - Q1	0.126	0.044	0.001	0.045	0.012	0.001	0.013	

Arch Coating - 2024

			0.003					
			0.001					
2024 - Q2	0.339	0.120	0.004	0.124	0.032	0.003	0.035	

Arch Coating - 2024

			0.003					
			0.001					
2024 - Q3	0.339	0.120	0.004	0.124	0.032	0.003	0.035	

Arch Coating - 2024

2024 - Q4	0.341	0.118	0.003	0.122	0.031	0.003	0.035
			0.001				
			0.003				

Arch Coating - 2025

2025 - Q1	0.336	0.118	0.002	0.122	0.031	0.003	0.035
			0.001				
			0.003				

Arch Coating - 2025

2025 - Q2	0.335	0.120	0.003	0.124	0.032	0.003	0.035
			0.001				
			0.004				

Arch Coating - 2025

2025 - Q3	0.335	0.120	0.003	0.124	0.032	0.003	0.035
			0.001				
			0.004				

Arch Coating - 2025

2025 - Q4	0.336	0.118	0.003	0.122	0.031	0.003	0.035
			0.001				
			0.003				

Arch Coating - 2026

2026 - Q1	0.332	0.118	0.003	0.122	0.031	0.003	0.035
			0.000				
			0.003				

Arch Coating - 2026

2026 - Q2	0.331	0.120	0.003	0.124	0.032	0.003	0.035
			0.000				
			0.003				

Arch Coating - 2026

2026 - Q3	0.331	0.120	0.003	0.124	0.032	0.003	0.035
			0.000				
			0.003				

Arch Coating - 2026

2026 - Q4	0.332	0.118	0.003	0.122	0.031	0.003	0.035
			0.000				
			0.003				

Arch Coating - 2027

2027 - Q1	0.329	0.118	0.003	0.122	0.031	0.003	0.035
			0.000				
			0.003				

Arch Coating - 2027

2027 - Q2	0.328	0.120	0.003	0.124	0.032	0.003	0.035
			0.000				
			0.003				

Arch Coating - 2027

2027 - Q3	0.328	0.120	0.003	0.124	0.032	0.003	0.035
			0.000				
			0.003				

Arch Coating - 2027

2027 - Q4	0.329	0.118	0.003	0.122	0.031	0.003	0.035
			0.000				
			0.003				

Arch Coating - 2028

2028 - Q1			0.003				
			0.000				
	0.325	0.118	0.003	0.122	0.031	0.003	0.035

Arch Coating - 2028

2028 - Q2			0.003				
			0.000				
	0.325	0.120	0.003	0.124	0.032	0.003	0.035

Arch Coating - 2028

2028 - Q3			0.003				
			0.000				
	0.325	0.120	0.003	0.124	0.032	0.003	0.035

Arch Coating - 2028

2028 - Q4			0.003				
			0.000				
	0.325	0.118	0.003	0.122	0.031	0.003	0.035

Arch Coating - 2029

2029 - Q1			0.003				
			0.000				
	0.323	0.118	0.003	0.122	0.031	0.003	0.035

Arch Coating - 2029

2029 - Q2			0.003				
			0.000				
	0.322	0.120	0.003	0.124	0.032	0.003	0.035

Arch Coating - 2029

2029 - Q3			0.003				
			0.000				
	0.322	0.120	0.003	0.124	0.032	0.003	0.035

Arch Coating - 2029

2029 - Q4			0.003				
			0.000				
	0.323	0.118	0.003	0.122	0.031	0.003	0.035

Arch Coating - 2030

2030 - Q1			0.003				
			0.000				
	0.320	0.118	0.003	0.122	0.031	0.003	0.035

Arch Coating - 2030

2030 - Q2			0.003				
			0.000				
	0.296	0.120	0.003	0.124	0.032	0.003	0.035

Arch Coating - 2030

2030 - Q3			0.003				
			0.000				
	0.296	0.120	0.003	0.124	0.032	0.003	0.035

Arch Coating - 2030

2030 - Q4			0.003				
			0.000				
	0.320	0.118	0.003	0.122	0.031	0.003	0.035

Paving - 2030

2030 - Q1	0.250	0.003	0.013	0.016	0.001	0.013	0.014
			0.000				
			0.013				

Paving - 2030

2030 - Q2	0.375	0.005	0.019	0.024	0.001	0.019	0.020
			0.000				
			0.019				

Paving - 2030

2030 - Q3	0.375	0.005	0.019	0.024	0.001	0.019	0.020
			0.000				
			0.019				

Paving - 2030

2030 - Q4	0.250	0.003	0.013	0.016	0.001	0.013	0.014
			0.000				
			0.013				

Commercial and Educational - Building construction - 2024

2024 - Q1	0.565	0.053	0.028	0.029	0.082	0.014	0.029	0.043
			0.001					
			0.029					

Commercial and Educational - Building construction - 2024

2024 - Q2	0.569	0.054	0.028	0.029	0.083	0.015	0.029	0.044
			0.001					
			0.029					

Commercial and Educational - Building construction - 2024

2024 - Q3	0.569	0.054	0.028	0.029	0.083	0.015	0.029	0.044
			0.001					
			0.029					

Commercial and Educational - Building construction - 2024

2024 - Q4	0.565	0.053	0.028	0.029	0.082	0.014	0.029	0.043
			0.001					
			0.029					

Commercial and Educational - Building construction - 2025

2025 - Q1	0.571	0.054	0.028	0.029	0.083	0.015	0.029	0.044
			0.001					
			0.029					

Commercial and Educational - Building construction - 2025

2025 - Q2	0.566	0.054	0.028	0.029	0.083	0.015	0.029	0.044
			0.001					
			0.029					

Commercial and Educational - Building construction - 2025

2025 - Q3	0.566	0.054	0.028	0.029	0.083	0.015	0.029	0.044
			0.001					
			0.029					

Commercial and Educational - Building construction - 2025

2025 - Q4			0.028	0.082	0.014	0.029	0.043
			0.001				
	0.562	0.053	0.029				

Commercial and Educational - Building construction - 2026

2026 - Q1			0.028	0.082	0.014	0.029	0.043
			0.001				
	0.559	0.053	0.029				

Commercial and Educational - Building construction - 2026

2026 - Q2			0.028	0.083	0.015	0.029	0.044
			0.001				
	0.563	0.054	0.029				

Commercial and Educational - Building construction - 2026

2026 - Q3			0.028	0.083	0.015	0.029	0.044
			0.001				
	0.563	0.054	0.029				

Commercial and Educational - Building construction - 2026

2026 - Q4			0.028	0.082	0.014	0.029	0.043
			0.001				
	0.559	0.053	0.029				

Commercial and Educational - Building construction - 2027

2027 - Q1			0.028	0.082	0.014	0.029	0.043
			0.001				
	0.556	0.053	0.029				

Commercial and Educational - Building construction - 2027

2027 - Q2			0.028	0.083	0.015	0.029	0.044
			0.001				
	0.560	0.054	0.029				

Commercial and Educational - Building construction - 2027

2027 - Q3			0.028	0.083	0.015	0.029	0.044
			0.001				
	0.560	0.054	0.029				

Commercial and Educational - Building construction - 2027

2027 - Q4			0.028	0.082	0.014	0.029	0.043
			0.001				
	0.556	0.053	0.029				

Commercial and Educational - Building construction - 2028

2028 - Q1			0.028	0.082	0.014	0.029	0.043
			0.001				
	0.553	0.053	0.029				

Commercial and Educational - Building construction - 2028

2028 - Q2			0.028	0.083	0.015	0.029	0.044
			0.001				
	0.558	0.054	0.029				

Commercial and Educational - Building construction - 2028

2028 - Q3			0.028	0.083	0.015	0.029	0.044
			0.001				
	0.558	0.054	0.029				

Commercial and Educational - Building construction - 2028

2028 - Q4			0.028	0.082	0.014	0.029	0.043
			0.001				
	0.553	0.053	0.029				

Commercial and Educational - Building construction - 2029

2029 - Q1			0.028	0.082	0.014	0.029	0.043
			0.001				
	0.551	0.053	0.029				

Commercial and Educational - Building construction - 2029

2029 - Q2			0.028	0.083	0.015	0.029	0.044
			0.001				
	0.555	0.054	0.029				

Commercial and Educational - Building construction - 2029

2029 - Q3			0.028	0.083	0.015	0.029	0.044
			0.001				
	0.555	0.054	0.029				

Commercial and Educational - Building construction - 2029

2029 - Q4			0.019	0.055	0.010	0.019	0.029
			0.000				
	0.373	0.036	0.019				

Commercial and Educational - Arch Coating - 2024

2024 - Q2			0.003	0.012	0.002	0.003	0.005
			0.000				
	0.062	0.009	0.003				

Commercial and Educational - Arch Coating - 2024

2024 - Q3			0.003	0.012	0.002	0.003	0.005
			0.000				
	0.062	0.009	0.003				

Commercial and Educational - Arch Coating - 2024

2024 - Q4			0.003	0.012	0.002	0.003	0.005
			0.000				
	0.061	0.009	0.003				

Commercial and Educational - Arch Coating - 2025

2025 - Q1			0.003	0.012	0.002	0.003	0.005
			0.000				
	0.061	0.009	0.003				

Commercial and Educational - Arch Coating - 2025

2025 - Q2			0.003	0.012	0.002	0.003	0.005
			0.000				
	0.062	0.009	0.003				

Commercial and Educational - Arch Coating - 2025

2025 - Q3			0.003				
			0.000				
	0.062	0.009	0.003	0.012	0.002	0.003	0.005

Commercial and Educational - Arch Coating - 2025

2025 - Q4			0.003				
			0.000				
	0.061	0.009	0.003	0.012	0.002	0.003	0.005

Commercial and Educational - Arch Coating - 2026

2026 - Q1			0.003				
			0.000				
	0.061	0.009	0.003	0.012	0.002	0.003	0.005

Commercial and Educational - Arch Coating - 2026

2026 - Q2			0.003				
			0.000				
	0.061	0.009	0.003	0.012	0.002	0.003	0.005

Commercial and Educational - Arch Coating - 2026

2026 - Q3			0.003				
			0.000				
	0.061	0.009	0.003	0.012	0.002	0.003	0.005

Commercial and Educational - Arch Coating - 2026

2026 - Q4			0.003				
			0.000				
	0.060	0.009	0.003	0.012	0.002	0.003	0.005

Commercial and Educational - Arch Coating - 2027

2027 - Q1			0.003				
			0.000				
	0.060	0.009	0.003	0.012	0.002	0.003	0.005

Commercial and Educational - Arch Coating - 2027

2027 - Q2			0.003				
			0.000				
	0.061	0.009	0.003	0.012	0.002	0.003	0.005

Commercial and Educational - Arch Coating - 2027

2027 - Q3			0.003				
			0.000				
	0.061	0.009	0.003	0.012	0.002	0.003	0.005

Commercial and Educational - Arch Coating - 2027

2027 - Q4			0.003				
			0.000				
	0.060	0.009	0.003	0.012	0.002	0.003	0.005

Commercial and Educational - Arch Coating - 2028

2028 - Q1			0.003				
			0.000				
	0.060	0.009	0.003	0.012	0.002	0.003	0.005

Commercial and Educational - Arch Coating - 2028

2028 - Q2			0.003				
			0.000				
	0.061	0.009	0.003	0.012	0.002	0.003	0.005

Commercial and Educational - Arch Coating - 2028

2028 - Q3			0.003				
			0.000				
	0.061	0.009	0.003	0.012	0.002	0.003	0.005

Commercial and Educational - Arch Coating - 2028

2028 - Q4			0.003				
			0.000				
	0.060	0.009	0.003	0.012	0.002	0.003	0.005

Commercial and Educational - Arch Coating - 2029

2029 - Q1			0.003				
			0.000				
	0.060	0.009	0.003	0.012	0.002	0.003	0.005

Commercial and Educational - Arch Coating - 2029

2029 - Q2			0.003				
			0.000				
	0.061	0.009	0.003	0.012	0.002	0.003	0.005

Commercial and Educational - Arch Coating - 2029

2029 - Q3			0.003				
			0.000				
	0.061	0.009	0.003	0.012	0.002	0.003	0.005

Commercial and Educational - Arch Coating - 2029

2029 - Q4			0.003				
			0.000				
	0.060	0.009	0.003	0.012	0.002	0.003	0.005

Commercial and Educational - Paving - 2029

2029 - Q4			0.006				
			0.000				
	0.119	0.001	0.006	0.008	0.000	0.006	0.006

Hotel - Building Construction - 2026

2026 - Q1			0.028				
			0.000				
	0.478	0.009	0.028	0.037	0.002	0.028	0.031

Hotel - Building Construction - 2026

2026 - Q2			0.028				
			0.000				
	0.485	0.009	0.029	0.038	0.002	0.029	0.031

Hotel - Building Construction - 2026

2026 - Q3			0.028				
			0.000				
	0.485	0.009	0.029	0.038	0.002	0.029	0.031

Hotel - Building Construction - 2026

2026 - Q4			0.019					
			0.000					
	0.324	0.006	0.019	0.025	0.002	0.019	0.021	

Hotel - Paving - 2026

2026 - Q4			0.005					
			0.000					
	0.087	0.002	0.005	0.007	0.000	0.005	0.005	

Hotel - Arch Coating - 2026

2026 - Q4			0.001					
			0.000					
	0.152	0.000	0.001	0.001	0.000	0.001	0.001	

EMISSIONS SUMMARY (TONS/QTR COMPARED TO THRESHOLDS)

CONSTRUCTION QUARTER	EMISSIONS (TONS/QTR)								
	ROG+NOX	PM10				PM2.5			
		FUG	EXH	DPM Onsite	TOTAL	FUG	EXH	TOTAL	
2023	Q1	1.05	0.18	0.05	0.05	0.23	0.09	0.05	0.14
TIER 1&2 THRESHOLDS		2.5 / 6.3	2.5 / None	0.13 / 0.32					
EXCEEDS?		No / No	No	No					
2023	Q2	1.08	0.25	0.05	0.05	0.30	0.13	0.05	0.18
TIER 1&2 THRESHOLDS		2.5 / 6.3	2.5 / None	0.13 / 0.32					
EXCEEDS?		Yes / No	No	No					
2023	Q3	1.00	0.12	0.04	0.04	0.16	0.05	0.04	0.09
TIER 1&2 THRESHOLDS		2.5 / 6.3	2.5 / None	0.13 / 0.32					
EXCEEDS?		No / No	No	No					
2023	Q4	0.98	0.12	0.04	0.04	0.16	0.05	0.04	0.09
TIER 1&2 THRESHOLDS		2.5 / 6.3	2.5 / None	0.13 / 0.32					
EXCEEDS?		No / No	No	No					
2024	Q1	2.28	0.78	0.07	0.06	0.84	0.21	0.06	0.27
TIER 1&2 THRESHOLDS		2.5 / 6.3	2.5 / None	0.13 / 0.32					
EXCEEDS?		Yes / No	No	No					
2024	Q2	2.52	0.88	0.07	0.06	0.95	0.23	0.07	0.31
TIER 1&2 THRESHOLDS		2.5 / 6.3	2.5 / None	0.13 / 0.32					
EXCEEDS?		Yes / No	No	No					
2024	Q3	2.52	0.88	0.07	0.06	0.95	0.23	0.07	0.31
TIER 1&2 THRESHOLDS		2.5 / 6.3	2.5 / None	0.13 / 0.32					
EXCEEDS?		Yes / No	No	No					
2024	Q4	2.56	0.86	0.07	0.06	0.93	0.23	0.07	0.30
TIER 1&2 THRESHOLDS		2.5 / 6.3	2.5 / None	0.13 / 0.32					
EXCEEDS?		Yes / No	No	No					
2025	Q1	2.52	0.86	0.07	0.06	0.93	0.23	0.07	0.30
TIER 1&2 THRESHOLDS		2.5 / 6.3	2.5 / None	0.13 / 0.32					
EXCEEDS?		Yes / No	No	No					
2025	Q2	2.48	0.88	0.07	0.04	0.95	0.23	0.07	0.31
TIER 1&2 THRESHOLDS		2.5 / 6.3	2.5 / None	0.13 / 0.32					
EXCEEDS?		Yes / No	No	No					
2025	Q3	2.48	0.88	0.07	0.06	0.95	0.23	0.07	0.31
TIER 1&2 THRESHOLDS		2.5 / 6.3	2.5 / None	0.13 / 0.32					
EXCEEDS?		Yes / No	No	No					
2025	Q4	2.51	0.86	0.07	0.06	0.93	0.23	0.07	0.30
TIER 1&2 THRESHOLDS		2.5 / 6.3	2.5 / None	0.13 / 0.32					
EXCEEDS?		Yes / No	No	No					
2026	Q1	2.94	0.87	0.10	0.09	0.97	0.23	0.10	0.33
TIER 1&2 THRESHOLDS		2.5 / 6.3	2.5 / None	0.13 / 0.32					
EXCEEDS?		Yes / No	No	No					
2026	Q2	2.92	0.88	0.10	0.09	0.98	0.24	0.10	0.34
TIER 1&2 THRESHOLDS		2.5 / 6.3	2.5 / None	0.13 / 0.32					
EXCEEDS?		Yes / No	No	No					
2026	Q3	2.92	0.88	0.10	0.09	0.98	0.24	0.10	0.34
TIER 1&2 THRESHOLDS		2.5 / 6.3	2.5 / None	0.13 / 0.32					
EXCEEDS?		Yes / No	No	No					
2026	Q4	3.02	0.87	0.09	0.09	0.96	0.23	0.09	0.33
TIER 1&2 THRESHOLDS		2.5 / 6.3	2.5 / None	0.13 / 0.32					
EXCEEDS?		Yes / No	No	No					

2027	Q1	2.42	0.86	0.07	0.06	0.93	0.23	0.07	0.30
	TIER 1&2 THRESHOLDS	2.5 / 6.3	2.5 / None	0.13 / 0.32					
	EXCEEDS?	Yes / No	No	No					
2027	Q2	2.40	0.88	0.07	0.06	0.95	0.23	0.07	0.30
	TIER 1&2 THRESHOLDS	2.5 / 6.3	2.5 / None	0.13 / 0.32					
	EXCEEDS?	Yes / No	No	No					
2027	Q3	2.40	0.88	0.07	0.06	0.95	0.23	0.07	0.30
	TIER 1&2 THRESHOLDS	2.5 / 6.3	2.5 / None	0.13 / 0.32					
	EXCEEDS?	Yes / No	No	No					
2027	Q4	2.42	0.86	0.07	0.06	0.93	0.23	0.07	0.30
	TIER 1&2 THRESHOLDS	2.5 / 6.3	2.5 / None	0.13 / 0.32					
	EXCEEDS?	Yes / No	No	No					
2028	Q1	2.39	0.86	0.07	0.06	0.93	0.23	0.07	0.30
	TIER 1&2 THRESHOLDS	2.5 / 6.3	2.5 / None	0.13 / 0.32					
	EXCEEDS?	Yes / No	No	No					
2028	Q2	2.36	0.88	0.07	0.06	0.95	0.23	0.07	0.30
	TIER 1&2 THRESHOLDS	2.5 / 6.3	2.5 / None	0.13 / 0.32					
	EXCEEDS?	Yes / No	No	No					
2028	Q3	2.36	0.88	0.07	0.05	0.95	0.23	0.07	0.30
	TIER 1&2 THRESHOLDS	2.5 / 6.3	2.5 / None	0.13 / 0.32					
	EXCEEDS?	Yes / No	No	No					
2028	Q4	2.39	0.86	0.07	0.06	0.93	0.23	0.07	0.30
	TIER 1&2 THRESHOLDS	2.5 / 6.3	2.5 / None	0.13 / 0.32					
	EXCEEDS?	Yes / No	No	No					
2029	Q1	2.35	0.86	0.07	0.06	0.93	0.23	0.07	0.30
	TIER 1&2 THRESHOLDS	2.5 / 6.3	2.5 / None	0.13 / 0.32					
	EXCEEDS?	Yes / No	No	No					
2029	Q2	2.33	0.88	0.07	0.06	0.95	0.23	0.07	0.30
	TIER 1&2 THRESHOLDS	2.5 / 6.3	2.5 / None	0.13 / 0.32					
	EXCEEDS?	Yes / No	No	No					
2029	Q3	2.33	0.88	0.07	0.06	0.95	0.23	0.07	0.30
	TIER 1&2 THRESHOLDS	2.5 / 6.3	2.5 / None	0.13 / 0.32					
	EXCEEDS?	Yes / No	No	No					
2029	Q4	2.29	0.85	0.07	0.06	0.91	0.23	0.07	0.29
	TIER 1&2 THRESHOLDS	2.5 / 6.3	2.5 / None	0.13 / 0.32					
	EXCEEDS?	Yes / No	No	No					
2030	Q1	1.96	0.80	0.05	0.04	0.85	0.21	0.05	0.26
	TIER 1&2 THRESHOLDS	2.5 / 6.3	2.5 / None	0.13 / 0.32					
	EXCEEDS?	Yes / No	No	No					
2030	Q2	2.04	0.82	0.06	0.05	0.87	0.22	0.06	0.28
	TIER 1&2 THRESHOLDS	2.5 / 6.3	2.5 / None	0.13 / 0.32					
	EXCEEDS?	Yes / No	No	No					
2030	Q3	2.04	0.82	0.06	0.05	0.87	0.22	0.06	0.28
	TIER 1&2 THRESHOLDS	2.5 / 6.3	2.5 / None	0.13 / 0.32					
	EXCEEDS?	Yes / No	No	No					
2030	Q4	1.96	0.80	0.05	0.04	0.85	0.21	0.05	0.26
	TIER 1&2 THRESHOLDS	2.5 / 6.3	2.5 / None	0.13 / 0.32					
	EXCEEDS?	Yes / No	No	No					

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Office Park	90.00	1000sqft	17.21	90,000.00	0
Junior College (2yr)	30.00	1000sqft	0.69	30,000.00	0
Other Asphalt Surfaces	24.08	Acre	24.08	1,048,924.80	0
Parking Lot	572.00	Space	5.15	228,800.00	0
Regional Shopping Center	23.00	1000sqft	4.40	23,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	127.09	CH4 Intensity (lb/MWhr)	0.021	N2O Intensity (lb/MWhr)	0.002

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Construction of commercial and educational will be completed on 2029. Utility intensity factor based on renewable portfolio standard for PG&E for 2030 operational year.

Land Use - Parking lot spaces are based on development standard which state 1sp/250 sqft of commercial space. Lot Acreage based on SP. Other Asphalt Surface used for residential roads

Construction Phase - Grubbing, site prep, and grading will take place with residential construction.

Off-road Equipment - Default

Off-road Equipment - Default

Off-road Equipment - Default

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Vehicle Trips - Trip gen for weekday and sunday is based on traffic report, used defaults for saturday. Office park and retail are lumped in traffic report so their trip gens are split proportionally based on square footage. Trip Type is based on traffic report.

Area Coating - Use low VOC paint.

Construction Off-road Equipment Mitigation - Tier 3 engines, soil stabilizers, water exposed areas 3 times a day, and enforce vehicle speed on unpaved roads of 15 miles per hour.

Mobile Land Use Mitigation -

Area Mitigation - Use low VOC paints

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	76,663.00	13,728.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	150	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblAreaCoating	Area_Parking	76663	13728
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

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tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblFleetMix	HHD	5.9170e-003	0.00
tblFleetMix	LDA	0.52	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.7950e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	4.8140e-003	0.00
tblFleetMix	MHD	8.3410e-003	0.00
tblFleetMix	OBUS	8.8500e-004	0.00
tblFleetMix	SBUS	7.9200e-004	0.00
tblFleetMix	UBUS	3.4600e-004	0.00
tblLandUse	LotAcreage	2.07	17.21
tblLandUse	LotAcreage	0.53	4.40
tblProjectCharacteristics	CH4IntensityFactor	0.033	0.021
tblProjectCharacteristics	CO2IntensityFactor	203.98	127.09
tblProjectCharacteristics	N2OIntensityFactor	0.004	0.002
tblTripsAndVMT	VendorTripNumber	233.00	61.00
tblTripsAndVMT	WorkerTripNumber	585.00	145.00

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tblTripsAndVMT	WorkerTripNumber	117.00	29.00
tblVehicleTrips	DV_TP	7.00	6.00
tblVehicleTrips	DV_TP	15.00	6.00
tblVehicleTrips	DV_TP	35.00	6.00
tblVehicleTrips	PB_TP	1.00	4.00
tblVehicleTrips	PB_TP	3.00	4.00
tblVehicleTrips	PB_TP	11.00	4.00
tblVehicleTrips	PR_TP	92.00	90.00
tblVehicleTrips	PR_TP	82.00	90.00
tblVehicleTrips	PR_TP	54.00	90.00
tblVehicleTrips	SU_TR	1.21	1.20
tblVehicleTrips	SU_TR	0.76	25.19
tblVehicleTrips	SU_TR	21.10	5.09
tblVehicleTrips	WD_TR	20.25	20.27
tblVehicleTrips	WD_TR	11.07	69.02
tblVehicleTrips	WD_TR	37.75	13.96

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.2588	2.1243	2.6879	6.1800e-003	0.2192	0.0830	0.3022	0.0591	0.0781	0.1372	0.0000	553.1751	553.1751	0.0780	0.0204	561.2083
2025	0.2408	1.9782	2.6349	6.0900e-003	0.2184	0.0715	0.2898	0.0589	0.0672	0.1261	0.0000	544.7962	544.7962	0.0770	0.0198	552.6195
2026	0.2378	1.9681	2.6080	6.0200e-003	0.2184	0.0714	0.2897	0.0589	0.0671	0.1260	0.0000	538.8123	538.8123	0.0768	0.0193	546.4780
2027	0.2350	1.9588	2.5848	5.9600e-003	0.2184	0.0713	0.2897	0.0589	0.0671	0.1259	0.0000	532.9846	532.9846	0.0766	0.0188	540.4971
2028	1.8456	0.8529	1.2854	2.5500e-003	0.0703	0.0354	0.1057	0.0189	0.0331	0.0520	0.0000	226.5028	226.5028	0.0441	4.8200e-003	229.0413
Maximum	1.8456	2.1243	2.6879	6.1800e-003	0.2192	0.0830	0.3022	0.0591	0.0781	0.1372	0.0000	553.1751	553.1751	0.0780	0.0204	561.2083

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.1543	2.2268	2.9116	6.1800e-003	0.2192	0.1211	0.3403	0.0591	0.1209	0.1800	0.0000	553.1747	553.1747	0.0780	0.0204	561.2079
2025	0.1503	2.2075	2.8684	6.0900e-003	0.2184	0.1205	0.3389	0.0589	0.1204	0.1793	0.0000	544.7959	544.7959	0.0770	0.0198	552.6192
2026	0.1473	2.1973	2.8415	6.0200e-003	0.2184	0.1204	0.3388	0.0589	0.1203	0.1792	0.0000	538.8119	538.8119	0.0768	0.0193	546.4776
2027	0.1445	2.1880	2.8183	5.9600e-003	0.2184	0.1203	0.3387	0.0589	0.1202	0.1791	0.0000	532.9843	532.9843	0.0766	0.0188	540.4967
2028	1.8056	1.0197	1.4464	2.5500e-003	0.0703	0.0564	0.1267	0.0189	0.0564	0.0753	0.0000	226.5026	226.5026	0.0441	4.8200e-003	229.0411
Maximum	1.8056	2.2268	2.9116	6.1800e-003	0.2192	0.1211	0.3403	0.0591	0.1209	0.1800	0.0000	553.1747	553.1747	0.0780	0.0204	561.2079

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	14.76	-10.77	-9.19	0.00	0.00	-62.01	-16.15	0.00	-72.14	-39.76	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2024	3-31-2024	0.5930	0.5925
2	4-1-2024	6-30-2024	0.5877	0.5872
3	7-1-2024	9-30-2024	0.5942	0.5937
4	10-1-2024	12-31-2024	0.5995	0.5990
5	1-1-2025	3-31-2025	0.5482	0.5824
6	4-1-2025	6-30-2025	0.5493	0.5838
7	7-1-2025	9-30-2025	0.5553	0.5902

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8	10-1-2025	12-31-2025	0.5604	0.5954
9	1-1-2026	3-31-2026	0.5450	0.5791
10	4-1-2026	6-30-2026	0.5461	0.5807
11	7-1-2026	9-30-2026	0.5521	0.5870
12	10-1-2026	12-31-2026	0.5571	0.5920
13	1-1-2027	3-31-2027	0.5420	0.5761
14	4-1-2027	6-30-2027	0.5432	0.5778
15	7-1-2027	9-30-2027	0.5492	0.5841
16	10-1-2027	12-31-2027	0.5540	0.5890
17	1-1-2028	3-31-2028	0.5453	0.5799
18	4-1-2028	6-30-2028	0.3436	0.4203
19	7-1-2028	9-30-2028	1.3589	1.3734
		Highest	1.3589	1.3734

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.6769	1.1000e-004	0.0124	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0242	0.0242	6.0000e-005	0.0000	0.0258
Energy	0.0143	0.1301	0.1093	7.8000e-004		9.8800e-003	9.8800e-003		9.8800e-003	9.8800e-003	0.0000	270.5967	270.5967	0.0240	4.6300e-003	272.5760
Mobile	2.3544	2.7876	20.8168	0.0420	5.1910	0.0342	5.2252	1.3859	0.0321	1.4181	0.0000	3,875.5161	3,875.5161	0.2525	0.1952	3,939.9847
Waste						0.0000	0.0000		0.0000	0.0000	29.8092	0.0000	29.8092	1.7617	0.0000	73.8511
Water						0.0000	0.0000		0.0000	0.0000	6.0821	8.6332	14.7153	0.6261	0.0149	34.8044
Total	3.0457	2.9177	20.9385	0.0428	5.1910	0.0442	5.2351	1.3859	0.0420	1.4280	35.8914	4,154.7702	4,190.6615	2.6644	0.2147	4,321.2419

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.6769	1.1000e-004	0.0124	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0242	0.0242	6.0000e-005	0.0000	0.0258
Energy	0.0143	0.1301	0.1093	7.8000e-004		9.8800e-003	9.8800e-003		9.8800e-003	9.8800e-003	0.0000	270.0127	270.0127	0.0239	4.6200e-003	271.9869
Mobile	2.0332	2.1550	16.3700	0.0305	3.7267	0.0255	3.7521	0.9950	0.0239	1.0189	0.0000	2,814.5399	2,814.5399	0.2075	0.1533	2,865.4185
Waste						0.0000	0.0000		0.0000	0.0000	14.9046	0.0000	14.9046	0.8808	0.0000	36.9255
Water						0.0000	0.0000		0.0000	0.0000	4.8657	7.2753	12.1410	0.5010	0.0119	28.2156
Total	2.7245	2.2851	16.4916	0.0313	3.7267	0.0354	3.7621	0.9950	0.0338	1.0288	19.7703	3,091.8521	3,111.6224	1.6132	0.1699	3,202.5722

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	10.55	21.68	21.24	26.88	28.21	19.80	28.14	28.21	19.53	27.95	44.92	25.58	25.75	39.45	20.87	25.89

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2024	3/31/2028	5	1110	
2	Architectural Coating	Architectural Coating	7/15/2028	10/27/2028	5	75	
3	Paving	Paving	4/1/2028	7/14/2028	5	75	

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Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 29.23

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 214,500; Non-Residential Outdoor: 71,500; Striped Parking Area: 13,728 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	145.00	61.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	29.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
Total	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.0400e-003	0.3240	0.1039	1.1700e-003	0.0363	1.8400e-003	0.0382	0.0105	1.7600e-003	0.0123	0.0000	113.5155	113.5155	2.5900e-003	0.0167	118.5478
Worker	0.0569	0.0392	0.4662	1.4800e-003	0.1829	8.5000e-004	0.1837	0.0486	7.8000e-004	0.0494	0.0000	135.9373	135.9373	3.5700e-003	3.7500e-003	137.1427
Total	0.0660	0.3632	0.5701	2.6500e-003	0.2192	2.6900e-003	0.2219	0.0591	2.5400e-003	0.0616	0.0000	249.4527	249.4527	6.1600e-003	0.0204	255.6904

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3.2 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0883	1.8636	2.3415	3.5300e-003		0.1184	0.1184		0.1184	0.1184	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	0.0883	1.8636	2.3415	3.5300e-003		0.1184	0.1184		0.1184	0.1184	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.0400e-003	0.3240	0.1039	1.1700e-003	0.0363	1.8400e-003	0.0382	0.0105	1.7600e-003	0.0123	0.0000	113.5155	113.5155	2.5900e-003	0.0167	118.5478
Worker	0.0569	0.0392	0.4662	1.4800e-003	0.1829	8.5000e-004	0.1837	0.0486	7.8000e-004	0.0494	0.0000	135.9373	135.9373	3.5700e-003	3.7500e-003	137.1427
Total	0.0660	0.3632	0.5701	2.6500e-003	0.2192	2.6900e-003	0.2219	0.0591	2.5400e-003	0.0616	0.0000	249.4527	249.4527	6.1600e-003	0.0204	255.6904

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3.2 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.7200e-003	0.3159	0.1020	1.1400e-003	0.0362	1.7900e-003	0.0380	0.0105	1.7100e-003	0.0122	0.0000	111.1240	111.1240	2.6200e-003	0.0163	116.0486
Worker	0.0536	0.0351	0.4339	1.4300e-003	0.1822	8.1000e-004	0.1830	0.0484	7.5000e-004	0.0492	0.0000	131.0173	131.0173	3.2400e-003	3.4900e-003	132.1374
Total	0.0623	0.3510	0.5359	2.5700e-003	0.2184	2.6000e-003	0.2210	0.0589	2.4600e-003	0.0613	0.0000	242.1413	242.1413	5.8600e-003	0.0198	248.1860

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3.2 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0879	1.8565	2.3325	3.5200e-003		0.1179	0.1179		0.1179	0.1179	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.0879	1.8565	2.3325	3.5200e-003		0.1179	0.1179		0.1179	0.1179	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.7200e-003	0.3159	0.1020	1.1400e-003	0.0362	1.7900e-003	0.0380	0.0105	1.7100e-003	0.0122	0.0000	111.1240	111.1240	2.6200e-003	0.0163	116.0486
Worker	0.0536	0.0351	0.4339	1.4300e-003	0.1822	8.1000e-004	0.1830	0.0484	7.5000e-004	0.0492	0.0000	131.0173	131.0173	3.2400e-003	3.4900e-003	132.1374
Total	0.0623	0.3510	0.5359	2.5700e-003	0.2184	2.6000e-003	0.2210	0.0589	2.4600e-003	0.0613	0.0000	242.1413	242.1413	5.8600e-003	0.0198	248.1860

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.4500e-003	0.3090	0.1008	1.1200e-003	0.0362	1.7400e-003	0.0380	0.0105	1.6700e-003	0.0121	0.0000	109.1323	109.1323	2.6600e-003	0.0160	113.9671
Worker	0.0509	0.0318	0.4082	1.3900e-003	0.1822	7.7000e-004	0.1829	0.0484	7.1000e-004	0.0491	0.0000	127.0251	127.0251	2.9600e-003	3.2800e-003	128.0774
Total	0.0594	0.3408	0.5090	2.5100e-003	0.2184	2.5100e-003	0.2209	0.0589	2.3800e-003	0.0613	0.0000	236.1574	236.1574	5.6200e-003	0.0193	242.0445

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0879	1.8565	2.3325	3.5200e-003		0.1179	0.1179		0.1179	0.1179	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.0879	1.8565	2.3325	3.5200e-003		0.1179	0.1179		0.1179	0.1179	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.4500e-003	0.3090	0.1008	1.1200e-003	0.0362	1.7400e-003	0.0380	0.0105	1.6700e-003	0.0121	0.0000	109.1323	109.1323	2.6600e-003	0.0160	113.9671
Worker	0.0509	0.0318	0.4082	1.3900e-003	0.1822	7.7000e-004	0.1829	0.0484	7.1000e-004	0.0491	0.0000	127.0251	127.0251	2.9600e-003	3.2800e-003	128.0774
Total	0.0594	0.3408	0.5090	2.5100e-003	0.2184	2.5100e-003	0.2209	0.0589	2.3800e-003	0.0613	0.0000	236.1574	236.1574	5.6200e-003	0.0193	242.0445

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3.2 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.2200e-003	0.3025	0.0998	1.1000e-003	0.0362	1.7000e-003	0.0379	0.0105	1.6200e-003	0.0121	0.0000	106.9834	106.9834	2.6900e-003	0.0157	111.7226
Worker	0.0484	0.0290	0.3860	1.3500e-003	0.1822	7.2000e-004	0.1829	0.0484	6.7000e-004	0.0491	0.0000	123.3463	123.3463	2.7200e-003	3.1100e-003	124.3410
Total	0.0566	0.3315	0.4858	2.4500e-003	0.2184	2.4200e-003	0.2208	0.0589	2.2900e-003	0.0612	0.0000	230.3298	230.3298	5.4100e-003	0.0188	236.0636

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3.2 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0879	1.8565	2.3325	3.5200e-003		0.1179	0.1179		0.1179	0.1179	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.0879	1.8565	2.3325	3.5200e-003		0.1179	0.1179		0.1179	0.1179	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.2200e-003	0.3025	0.0998	1.1000e-003	0.0362	1.7000e-003	0.0379	0.0105	1.6200e-003	0.0121	0.0000	106.9834	106.9834	2.6900e-003	0.0157	111.7226
Worker	0.0484	0.0290	0.3860	1.3500e-003	0.1822	7.2000e-004	0.1829	0.0484	6.7000e-004	0.0491	0.0000	123.3463	123.3463	2.7200e-003	3.1100e-003	124.3410
Total	0.0566	0.3315	0.4858	2.4500e-003	0.2184	2.4200e-003	0.2208	0.0589	2.2900e-003	0.0612	0.0000	230.3298	230.3298	5.4100e-003	0.0188	236.0636

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3.2 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0444	0.4053	0.5228	8.8000e-004		0.0172	0.0172		0.0161	0.0161	0.0000	75.3738	75.3738	0.0177	0.0000	75.8168
Total	0.0444	0.4053	0.5228	8.8000e-004		0.0172	0.0172		0.0161	0.0161	0.0000	75.3738	75.3738	0.0177	0.0000	75.8168

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-003	0.0740	0.0247	2.7000e-004	9.0200e-003	4.1000e-004	9.4300e-003	2.6100e-003	3.9000e-004	3.0000e-003	0.0000	26.1325	26.1325	6.8000e-004	3.8300e-003	27.2900
Worker	0.0114	6.6300e-003	0.0915	3.3000e-004	0.0454	1.7000e-004	0.0455	0.0121	1.6000e-004	0.0122	0.0000	29.8856	29.8856	6.3000e-004	7.4000e-004	30.1211
Total	0.0134	0.0806	0.1161	6.0000e-004	0.0544	5.8000e-004	0.0550	0.0147	5.5000e-004	0.0152	0.0000	56.0181	56.0181	1.3100e-003	4.5700e-003	57.4111

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3.2 Building Construction - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0219	0.4624	0.5809	8.8000e-004		0.0294	0.0294		0.0294	0.0294	0.0000	75.3737	75.3737	0.0177	0.0000	75.8167
Total	0.0219	0.4624	0.5809	8.8000e-004		0.0294	0.0294		0.0294	0.0294	0.0000	75.3737	75.3737	0.0177	0.0000	75.8167

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-003	0.0740	0.0247	2.7000e-004	9.0200e-003	4.1000e-004	9.4300e-003	2.6100e-003	3.9000e-004	3.0000e-003	0.0000	26.1325	26.1325	6.8000e-004	3.8300e-003	27.2900
Worker	0.0114	6.6300e-003	0.0915	3.3000e-004	0.0454	1.7000e-004	0.0455	0.0121	1.6000e-004	0.0122	0.0000	29.8856	29.8856	6.3000e-004	7.4000e-004	30.1211
Total	0.0134	0.0806	0.1161	6.0000e-004	0.0544	5.8000e-004	0.0550	0.0147	5.5000e-004	0.0152	0.0000	56.0181	56.0181	1.3100e-003	4.5700e-003	57.4111

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3.3 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.7047					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.4100e-003	0.0430	0.0678	1.1000e-004		1.9300e-003	1.9300e-003		1.9300e-003	1.9300e-003	0.0000	9.5747	9.5747	5.2000e-004	0.0000	9.5878
Total	1.7111	0.0430	0.0678	1.1000e-004		1.9300e-003	1.9300e-003		1.9300e-003	1.9300e-003	0.0000	9.5747	9.5747	5.2000e-004	0.0000	9.5878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6400e-003	1.5300e-003	0.0211	8.0000e-005	0.0105	4.0000e-005	0.0105	2.7800e-003	4.0000e-005	2.8200e-003	0.0000	6.8967	6.8967	1.4000e-004	1.7000e-004	6.9510
Total	2.6400e-003	1.5300e-003	0.0211	8.0000e-005	0.0105	4.0000e-005	0.0105	2.7800e-003	4.0000e-005	2.8200e-003	0.0000	6.8967	6.8967	1.4000e-004	1.7000e-004	6.9510

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3.3 Architectural Coating - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.7047					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.2300e-003	0.0509	0.0687	1.1000e-004		3.5700e-003	3.5700e-003		3.5700e-003	3.5700e-003	0.0000	9.5747	9.5747	5.2000e-004	0.0000	9.5878
Total	1.7070	0.0509	0.0687	1.1000e-004		3.5700e-003	3.5700e-003		3.5700e-003	3.5700e-003	0.0000	9.5747	9.5747	5.2000e-004	0.0000	9.5878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6400e-003	1.5300e-003	0.0211	8.0000e-005	0.0105	4.0000e-005	0.0105	2.7800e-003	4.0000e-005	2.8200e-003	0.0000	6.8967	6.8967	1.4000e-004	1.7000e-004	6.9510
Total	2.6400e-003	1.5300e-003	0.0211	8.0000e-005	0.0105	4.0000e-005	0.0105	2.7800e-003	4.0000e-005	2.8200e-003	0.0000	6.8967	6.8967	1.4000e-004	1.7000e-004	6.9510

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3.4 Paving - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0343	0.3218	0.5467	8.5000e-004		0.0157	0.0157		0.0144	0.0144	0.0000	75.0722	75.0722	0.0243	0.0000	75.6792
Paving	0.0383					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0726	0.3218	0.5467	8.5000e-004		0.0157	0.0157		0.0144	0.0144	0.0000	75.0722	75.0722	0.0243	0.0000	75.6792

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3600e-003	7.9000e-004	0.0109	4.0000e-005	5.4200e-003	2.0000e-005	5.4400e-003	1.4400e-003	2.0000e-005	1.4600e-003	0.0000	3.5673	3.5673	7.0000e-005	9.0000e-005	3.5954
Total	1.3600e-003	7.9000e-004	0.0109	4.0000e-005	5.4200e-003	2.0000e-005	5.4400e-003	1.4400e-003	2.0000e-005	1.4600e-003	0.0000	3.5673	3.5673	7.0000e-005	9.0000e-005	3.5954

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3.4 Paving - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0210	0.4236	0.6486	8.5000e-004		0.0229	0.0229		0.0229	0.0229	0.0000	75.0721	75.0721	0.0243	0.0000	75.6791
Paving	0.0383					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0593	0.4236	0.6486	8.5000e-004		0.0229	0.0229		0.0229	0.0229	0.0000	75.0721	75.0721	0.0243	0.0000	75.6791

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3600e-003	7.9000e-004	0.0109	4.0000e-005	5.4200e-003	2.0000e-005	5.4400e-003	1.4400e-003	2.0000e-005	1.4600e-003	0.0000	3.5673	3.5673	7.0000e-005	9.0000e-005	3.5954
Total	1.3600e-003	7.9000e-004	0.0109	4.0000e-005	5.4200e-003	2.0000e-005	5.4400e-003	1.4400e-003	2.0000e-005	1.4600e-003	0.0000	3.5673	3.5673	7.0000e-005	9.0000e-005	3.5954

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4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

- Increase Diversity
- Improve Destination Accessibility
- Increase Transit Accessibility
- Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.0332	2.1550	16.3700	0.0305	3.7267	0.0255	3.7521	0.9950	0.0239	1.0189	0.0000	2,814.5399	2,814.5399	0.2075	0.1533	2,865.4185
Unmitigated	2.3544	2.7876	20.8168	0.0420	5.1910	0.0342	5.2252	1.3859	0.0321	1.4181	0.0000	3,875.5161	3,875.5161	0.2525	0.1952	3,939.9847

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2yr)	608.10	336.90	36.00	895,912	643,181
Office Park	6,211.80	147.60	2267.10	12,175,027	8,740,533
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	321.08	1,060.76	117.07	835,393	599,734
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	7,140.98	1,545.26	2,420.17	13,906,332	9,983,448

4.3 Trip Type Information

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Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2yr)	13.00	5.00	5.00	6.40	88.60	5.00	90	6	4
Office Park	13.00	5.00	5.00	33.00	48.00	19.00	90	6	4
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	13.00	5.00	5.00	16.30	64.70	19.00	90	6	4
Other Asphalt Surfaces	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior College (2yr)	0.516135	0.058853	0.199929	0.136792	0.029532	0.007795	0.008341	0.005917	0.000885	0.000346	0.029869	0.000792	0.004814
Office Park	0.516135	0.058853	0.199929	0.136792	0.029532	0.007795	0.008341	0.005917	0.000885	0.000346	0.029869	0.000792	0.004814
Parking Lot	0.516135	0.058853	0.199929	0.136792	0.029532	0.007795	0.008341	0.005917	0.000885	0.000346	0.029869	0.000792	0.004814
Regional Shopping Center	0.516135	0.058853	0.199929	0.136792	0.029532	0.007795	0.008341	0.005917	0.000885	0.000346	0.029869	0.000792	0.004814
Other Asphalt Surfaces	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

Install Energy Efficient Appliances

Dana Reserve Commercial and Educational - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	128.4214	128.4214	0.0212	2.0200e-003	129.5542
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	129.0055	129.0055	0.0213	2.0300e-003	130.1434
NaturalGas Mitigated	0.0143	0.1301	0.1093	7.8000e-004		9.8800e-003	9.8800e-003		9.8800e-003	9.8800e-003	0.0000	141.5913	141.5913	2.7100e-003	2.6000e-003	142.4327
NaturalGas Unmitigated	0.0143	0.1301	0.1093	7.8000e-004		9.8800e-003	9.8800e-003		9.8800e-003	9.8800e-003	0.0000	141.5913	141.5913	2.7100e-003	2.6000e-003	142.4327

Dana Reserve Commercial and Educational - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2yr)	717600	3.8700e-003	0.0352	0.0296	2.1000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003	0.0000	38.2939	38.2939	7.3000e-004	7.0000e-004	38.5214
Office Park	1.8819e+006	0.0102	0.0923	0.0775	5.5000e-004		7.0100e-003	7.0100e-003		7.0100e-003	7.0100e-003	0.0000	100.4254	100.4254	1.9200e-003	1.8400e-003	101.0221
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	53820	2.9000e-004	2.6400e-003	2.2200e-003	2.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	2.8720	2.8720	6.0000e-005	5.0000e-005	2.8891
Total		0.0143	0.1301	0.1093	7.8000e-004		9.8800e-003	9.8800e-003		9.8800e-003	9.8800e-003	0.0000	141.5913	141.5913	2.7100e-003	2.5900e-003	142.4327

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2yr)	717600	3.8700e-003	0.0352	0.0296	2.1000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003	0.0000	38.2939	38.2939	7.3000e-004	7.0000e-004	38.5214
Office Park	1.8819e+006	0.0102	0.0923	0.0775	5.5000e-004		7.0100e-003	7.0100e-003		7.0100e-003	7.0100e-003	0.0000	100.4254	100.4254	1.9200e-003	1.8400e-003	101.0221
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	53820	2.9000e-004	2.6400e-003	2.2200e-003	2.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	2.8720	2.8720	6.0000e-005	5.0000e-005	2.8891
Total		0.0143	0.1301	0.1093	7.8000e-004		9.8800e-003	9.8800e-003		9.8800e-003	9.8800e-003	0.0000	141.5913	141.5913	2.7100e-003	2.5900e-003	142.4327

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2yr)	228600	13.1781	2.1800e-003	2.1000e-004	13.2944
Office Park	1.6902e+006	97.4351	0.0161	1.5300e-003	98.2945
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	80080	4.6164	7.6000e-004	7.0000e-005	4.6571
Regional Shopping Center	238970	13.7759	2.2800e-003	2.2000e-004	13.8974
Total		129.0055	0.0213	2.0300e-003	130.1434

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2yr)	228600	13.1781	2.1800e-003	2.1000e-004	13.2944
Office Park	1.68345e+006	97.0459	0.0160	1.5300e-003	97.9019
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	80080	4.6164	7.6000e-004	7.0000e-005	4.6571
Regional Shopping Center	235589	13.5810	2.2400e-003	2.1000e-004	13.7008
Total		128.4214	0.0212	2.0200e-003	129.5542

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.6769	1.1000e-004	0.0124	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0242	0.0242	6.0000e-005	0.0000	0.0258
Unmitigated	0.6769	1.1000e-004	0.0124	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0242	0.0242	6.0000e-005	0.0000	0.0258

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0347					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6411					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.1300e-003	1.1000e-004	0.0124	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0242	0.0242	6.0000e-005	0.0000	0.0258
Total	0.6769	1.1000e-004	0.0124	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0242	0.0242	6.0000e-005	0.0000	0.0258

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0347					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6411					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.1300e-003	1.1000e-004	0.0124	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0242	0.0242	6.0000e-005	0.0000	0.0258
Total	0.6769	1.1000e-004	0.0124	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0242	0.0242	6.0000e-005	0.0000	0.0258

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	12.1410	0.5010	0.0119	28.2156
Unmitigated	14.7153	0.6261	0.0149	34.8044

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2yr)	1.47147 / 2.30153	1.3902	0.0481	1.1500e-003	2.9344
Office Park	15.996 / 9.80402	12.0425	0.5224	0.0124	28.8024
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.70367 / 1.04418	1.2826	0.0556	1.3200e-003	3.0676
Total		14.7153	0.6261	0.0149	34.8044

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2yr)	1.17718 / 2.16114	1.1767	0.0385	9.2000e-004	2.4127
Office Park	12.7968 / 9.20598	9.9090	0.4180	9.9400e-003	23.3193
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.36293 / 0.980488	1.0554	0.0445	1.0600e-003	2.4836
Total		12.1410	0.5010	0.0119	28.2156

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	14.9046	0.8808	0.0000	36.9255
Unmitigated	29.8092	1.7617	0.0000	73.8511

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2yr)	39	7.9167	0.4679	0.0000	19.6132
Office Park	83.7	16.9903	1.0041	0.0000	42.0929
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	24.15	4.9022	0.2897	0.0000	12.1451
Total		29.8092	1.7617	0.0000	73.8511

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2yr)	19.5	3.9583	0.2339	0.0000	9.8066
Office Park	41.85	8.4952	0.5021	0.0000	21.0464
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	12.075	2.4511	0.1449	0.0000	6.0725
Total		14.9046	0.8808	0.0000	36.9256

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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Dana Reserve Commercial and Educational - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Dana Reserve Commercial and Educational - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Dana Reserve Commercial and Educational
San Luis Obispo County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Office Park	90.00	1000sqft	17.21	90,000.00	0
Junior College (2yr)	30.00	1000sqft	0.69	30,000.00	0
Other Asphalt Surfaces	24.08	Acre	24.08	1,048,924.80	0
Parking Lot	572.00	Space	5.15	228,800.00	0
Regional Shopping Center	23.00	1000sqft	4.40	23,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4	Operational Year	2030		
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MW hr)	127.09	CH4 Intensity (lb/MW hr)	0.021	N2O Intensity (lb/MW hr)	0.002

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Construction of commercial and educational will be completed on 2029. Utility intensity factor based on renewable portfolio standard for PG&E for 2030 operational year.

Land Use - Parking lot spaces are based on development standard which state 1sp/250 sqft of commercial space. Lot Acreage based on SP. Other Asphalt Surface used for residential roads

Construction Phase - Grubbing, site prep, and grading will take place with residential construction.

Off-road Equipment - Default

Off-road Equipment - Default

Off-road Equipment - Default

Dana Reserve Commercial and Educational - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Vehicle Trips - Trip gen for weekday and sunday is based on traffic report, used defaults for saturday. Office park and retail are lumped in traffic report so their trip gens are split proportionally based on square footage. Trip Type is based on traffic report.

Area Coating - Use low VOC paint.

Construction Off-road Equipment Mitigation - Tier 3 engines, soil stabilizers, water exposed areas 3 times a day, and enforce vehicle speed on unpaved roads of 15 miles per hour.

Mobile Land Use Mitigation -

Area Mitigation - Use low VOC paints

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	76,663.00	13,728.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	150	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblAreaCoating	Area_Parking	76663	13728
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Dana Reserve Commercial and Educational - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblFleetMix	HHD	5.9170e-003	0.00
tblFleetMix	LDA	0.52	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.7950e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	4.8140e-003	0.00
tblFleetMix	MHD	8.3410e-003	0.00
tblFleetMix	OBUS	8.8500e-004	0.00
tblFleetMix	SBUS	7.9200e-004	0.00
tblFleetMix	UBUS	3.4600e-004	0.00
tblLandUse	LotAcreage	2.07	17.21
tblLandUse	LotAcreage	0.53	4.40
tblProjectCharacteristics	CH4IntensityFactor	0.033	0.021
tblProjectCharacteristics	CO2IntensityFactor	203.98	127.09
tblProjectCharacteristics	N2OIntensityFactor	0.004	0.002
tblTripsAndVMT	VendorTripNumber	233.00	61.00
tblTripsAndVMT	WorkerTripNumber	585.00	145.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblTripsAndVMT	WorkerTripNumber	117.00	29.00
tblVehicleTrips	DV_TP	7.00	6.00
tblVehicleTrips	DV_TP	15.00	6.00
tblVehicleTrips	DV_TP	35.00	6.00
tblVehicleTrips	PB_TP	1.00	4.00
tblVehicleTrips	PB_TP	3.00	4.00
tblVehicleTrips	PB_TP	11.00	4.00
tblVehicleTrips	PR_TP	92.00	90.00
tblVehicleTrips	PR_TP	82.00	90.00
tblVehicleTrips	PR_TP	54.00	90.00
tblVehicleTrips	SU_TR	1.21	1.20
tblVehicleTrips	SU_TR	0.76	25.19
tblVehicleTrips	SU_TR	21.10	5.09
tblVehicleTrips	WD_TR	20.25	20.27
tblVehicleTrips	WD_TR	11.07	69.02
tblVehicleTrips	WD_TR	37.75	13.96

2.0 Emissions Summary

Dana Reserve Commercial and Educational - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.9719	16.1112	20.6046	0.0476	1.7170	0.6338	2.3508	0.4619	0.5963	1.0581	0.0000	4,695.4069	4,695.4069	0.6547	0.1695	4,762.2791
2025	1.8416	15.0586	20.2663	0.0470	1.7170	0.5474	2.2644	0.4619	0.5151	0.9769	0.0000	4,641.0065	4,641.0065	0.6491	0.1650	4,706.4110
2026	1.8187	14.9848	20.0519	0.0465	1.7170	0.5468	2.2638	0.4619	0.5144	0.9763	0.0000	4,589.1594	4,589.1594	0.6472	0.1608	4,653.2713
2027	1.7975	14.9173	19.8676	0.0460	1.7170	0.5461	2.2631	0.4619	0.5138	0.9757	0.0000	4,538.7578	4,538.7578	0.6455	0.1568	4,601.6081
2028	45.6998	14.8594	19.7134	0.0456	1.7171	0.5454	2.2625	0.4619	0.5132	0.9751	0.0000	4,492.1302	4,492.1302	0.7158	0.1530	4,553.8231
Maximum	45.6998	16.1112	20.6046	0.0476	1.7171	0.6338	2.3508	0.4619	0.5963	1.0581	0.0000	4,695.4069	4,695.4069	0.7158	0.1695	4,762.2791

Dana Reserve Commercial and Educational - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.7100	6.8000e-004	0.0751	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1618	0.1618	4.2000e-004		0.1722
Energy	0.0784	0.7127	0.5987	4.2800e-003		0.0542	0.0542		0.0542	0.0542		855.2200	855.2200	0.0164	0.0157	860.3021
Mobile	18.7872	19.8272	152.6626	0.3269	40.3489	0.2597	40.6086	10.7501	0.2436	10.9937		33,242.6020	33,242.6020	2.0070	1.5653	33,759.2240
Total	22.5755	20.5405	153.3363	0.3312	40.3489	0.3141	40.6630	10.7501	0.2980	11.0481		34,097.9838	34,097.9838	2.0239	1.5809	34,619.6983

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.7100	6.8000e-004	0.0751	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1618	0.1618	4.2000e-004		0.1722
Energy	0.0784	0.7127	0.5987	4.2800e-003		0.0542	0.0542		0.0542	0.0542		855.2200	855.2200	0.0164	0.0157	860.3021
Mobile	16.4208	15.3295	118.7838	0.2373	28.9668	0.1934	29.1601	7.7176	0.1813	7.8989		24,133.7764	24,133.7764	1.6353	1.2286	24,540.7890
Total	20.2091	16.0429	119.4575	0.2416	28.9668	0.2478	29.2146	7.7176	0.2357	7.9533		24,989.1581	24,989.1581	1.6521	1.2443	25,401.2633

Dana Reserve Commercial and Educational - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	10.48	21.90	22.09	27.05	28.21	21.10	28.15	28.21	20.89	28.01	0.00	26.71	26.71	18.37	21.29	26.63

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2024	3/31/2028	5	1110	
2	Architectural Coating	Architectural Coating	7/15/2028	10/27/2028	5	75	
3	Paving	Paving	4/1/2028	7/14/2028	5	75	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 29.23

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 214,500; Non-Residential Outdoor: 71,500; Striped Parking Area: 13,728 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Dana Reserve Commercial and Educational - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Architectural Coating	Air Compressors	1	6.00	78	0.48
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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	145.00	61.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	29.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

- Use Cleaner Engines for Construction Equipment
- Use Soil Stabilizer
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads

3.2 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Dana Reserve Commercial and Educational - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0700	2.3976	0.7777	8.9000e-003	0.2835	0.0140	0.2975	0.0817	0.0134	0.0951		954.4924	954.4924	0.0219	0.1401	996.7784
Worker	0.4303	0.2699	3.6600	0.0117	1.4335	6.5000e-003	1.4400	0.3802	5.9900e-003	0.3862		1,185.2155	1,185.2155	0.0285	0.0294	1,194.6930
Total	0.5003	2.6674	4.4378	0.0206	1.7170	0.0205	1.7375	0.4619	0.0194	0.4812		2,139.7080	2,139.7080	0.0504	0.1695	2,191.4715

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Dana Reserve Commercial and Educational - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0700	2.3976	0.7777	8.9000e-003	0.2835	0.0140	0.2975	0.0817	0.0134	0.0951		954.4924	954.4924	0.0219	0.1401	996.7784
Worker	0.4303	0.2699	3.6600	0.0117	1.4335	6.5000e-003	1.4400	0.3802	5.9900e-003	0.3862		1,185.2155	1,185.2155	0.0285	0.0294	1,194.6930
Total	0.5003	2.6674	4.4378	0.0206	1.7170	0.0205	1.7375	0.4619	0.0194	0.4812		2,139.7080	2,139.7080	0.0504	0.1695	2,191.4715

3.2 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Dana Reserve Commercial and Educational - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0678	2.3466	0.7658	8.7400e-003	0.2835	0.0137	0.2972	0.0817	0.0131	0.0948		937.9324	937.9324	0.0222	0.1375	979.4723
Worker	0.4064	0.2423	3.4158	0.0113	1.4335	6.2000e-003	1.4397	0.3802	5.7100e-003	0.3859		1,146.5998	1,146.5998	0.0259	0.0275	1,155.4406
Total	0.4742	2.5889	4.1816	0.0201	1.7170	0.0199	1.7369	0.4619	0.0188	0.4807		2,084.5322	2,084.5322	0.0481	0.1650	2,134.9130

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Dana Reserve Commercial and Educational - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0678	2.3466	0.7658	8.7400e-003	0.2835	0.0137	0.2972	0.0817	0.0131	0.0948		937.9324	937.9324	0.0222	0.1375	979.4723
Worker	0.4064	0.2423	3.4158	0.0113	1.4335	6.2000e-003	1.4397	0.3802	5.7100e-003	0.3859		1,146.5998	1,146.5998	0.0259	0.0275	1,155.4406
Total	0.4742	2.5889	4.1816	0.0201	1.7170	0.0199	1.7369	0.4619	0.0188	0.4807		2,084.5322	2,084.5322	0.0481	0.1650	2,134.9130

3.2 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Dana Reserve Commercial and Educational - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Construction - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0659	2.2957	0.7568	8.5700e-003	0.2835	0.0133	0.2968	0.0817	0.0127	0.0944		921.0935	921.0935	0.0225	0.1350	961.8758
Worker	0.3855	0.2195	3.2104	0.0110	1.4335	5.8900e-003	1.4394	0.3802	5.4300e-003	0.3856		1,111.5916	1,111.5916	0.0237	0.0259	1,119.8975
Total	0.4513	2.5152	3.9672	0.0196	1.7170	0.0192	1.7362	0.4619	0.0182	0.4800		2,032.6850	2,032.6850	0.0462	0.1608	2,081.7732

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Dana Reserve Commercial and Educational - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Construction - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0659	2.2957	0.7568	8.5700e-003	0.2835	0.0133	0.2968	0.0817	0.0127	0.0944		921.0935	921.0935	0.0225	0.1350	961.8758
Worker	0.3855	0.2195	3.2104	0.0110	1.4335	5.8900e-003	1.4394	0.3802	5.4300e-003	0.3856		1,111.5916	1,111.5916	0.0237	0.0259	1,119.8975
Total	0.4513	2.5152	3.9672	0.0196	1.7170	0.0192	1.7362	0.4619	0.0182	0.4800		2,032.6850	2,032.6850	0.0462	0.1608	2,081.7732

3.2 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Dana Reserve Commercial and Educational - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Construction - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0641	2.2475	0.7496	8.4000e-003	0.2836	0.0130	0.2965	0.0817	0.0124	0.0941		902.9300	902.9300	0.0228	0.1322	942.9061
Worker	0.3660	0.2001	3.0333	0.0107	1.4335	5.5500e-003	1.4390	0.3802	5.1100e-003	0.3853		1,079.3535	1,079.3535	0.0217	0.0245	1,087.2040
Total	0.4301	2.4477	3.7829	0.0191	1.7170	0.0185	1.7356	0.4619	0.0175	0.4794		1,982.2835	1,982.2835	0.0446	0.1568	2,030.1101

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Dana Reserve Commercial and Educational - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Construction - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0641	2.2475	0.7496	8.4000e-003	0.2836	0.0130	0.2965	0.0817	0.0124	0.0941		902.9300	902.9300	0.0228	0.1322	942.9061
Worker	0.3660	0.2001	3.0333	0.0107	1.4335	5.5500e-003	1.4390	0.3802	5.1100e-003	0.3853		1,079.3535	1,079.3535	0.0217	0.0245	1,087.2040
Total	0.4301	2.4477	3.7829	0.0191	1.7170	0.0185	1.7356	0.4619	0.0175	0.4794		1,982.2835	1,982.2835	0.0446	0.1568	2,030.1101

3.2 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Dana Reserve Commercial and Educational - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Construction - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0626	2.2060	0.7442	8.2300e-003	0.2836	0.0127	0.2962	0.0817	0.0121	0.0938		885.5935	885.5935	0.0232	0.1296	924.7983
Worker	0.3469	0.1838	2.8845	0.0104	1.4335	5.2000e-003	1.4387	0.3802	4.7900e-003	0.3850		1,050.0623	1,050.0623	0.0201	0.0234	1,057.5268
Total	0.4095	2.3897	3.6287	0.0186	1.7171	0.0179	1.7349	0.4619	0.0169	0.4788		1,935.6558	1,935.6558	0.0432	0.1530	1,982.3250

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Dana Reserve Commercial and Educational - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Construction - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0626	2.2060	0.7442	8.2300e-003	0.2836	0.0127	0.2962	0.0817	0.0121	0.0938		885.5935	885.5935	0.0232	0.1296	924.7983
Worker	0.3469	0.1838	2.8845	0.0104	1.4335	5.2000e-003	1.4387	0.3802	4.7900e-003	0.3850		1,050.0623	1,050.0623	0.0201	0.0234	1,057.5268
Total	0.4095	2.3897	3.6287	0.0186	1.7171	0.0179	1.7349	0.4619	0.0169	0.4788		1,935.6558	1,935.6558	0.0432	0.1530	1,982.3250

3.3 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	45.4596					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	45.6305	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Dana Reserve Commercial and Educational - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Architectural Coating - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0694	0.0368	0.5769	2.0800e-003	0.2867	1.0400e-003	0.2877	0.0760	9.6000e-004	0.0770		210.0125	210.0125	4.0100e-003	4.6700e-003	211.5054
Total	0.0694	0.0368	0.5769	2.0800e-003	0.2867	1.0400e-003	0.2877	0.0760	9.6000e-004	0.0770		210.0125	210.0125	4.0100e-003	4.6700e-003	211.5054

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	45.4596					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	45.5190	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Dana Reserve Commercial and Educational - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Architectural Coating - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0694	0.0368	0.5769	2.0800e-003	0.2867	1.0400e-003	0.2877	0.0760	9.6000e-004	0.0770		210.0125	210.0125	4.0100e-003	4.6700e-003	211.5054
Total	0.0694	0.0368	0.5769	2.0800e-003	0.2867	1.0400e-003	0.2877	0.0760	9.6000e-004	0.0770		210.0125	210.0125	4.0100e-003	4.6700e-003	211.5054

3.4 Paving - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	1.0211					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9363	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Dana Reserve Commercial and Educational - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Paving - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0359	0.0190	0.2984	1.0700e-003	0.1483	5.4000e-004	0.1488	0.0393	5.0000e-004	0.0398		108.6271	108.6271	2.0700e-003	2.4200e-003	109.3993
Total	0.0359	0.0190	0.2984	1.0700e-003	0.1483	5.4000e-004	0.1488	0.0393	5.0000e-004	0.0398		108.6271	108.6271	2.0700e-003	2.4200e-003	109.3993

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	1.0211					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5820	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Dana Reserve Commercial and Educational - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Paving - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0359	0.0190	0.2984	1.0700e-003	0.1483	5.4000e-004	0.1488	0.0393	5.0000e-004	0.0398		108.6271	108.6271	2.0700e-003	2.4200e-003	109.3993
Total	0.0359	0.0190	0.2984	1.0700e-003	0.1483	5.4000e-004	0.1488	0.0393	5.0000e-004	0.0398		108.6271	108.6271	2.0700e-003	2.4200e-003	109.3993

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

- Increase Diversity
- Improve Destination Accessibility
- Increase Transit Accessibility
- Improve Pedestrian Network

Dana Reserve Commercial and Educational - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	16.4208	15.3295	118.7838	0.2373	28.9668	0.1934	29.1601	7.7176	0.1813	7.8989		24,133.77 64	24,133.77 64	1.6353	1.2286	24,540.78 90
Unmitigated	18.7872	19.8272	152.6626	0.3269	40.3489	0.2597	40.6086	10.7501	0.2436	10.9937		33,242.60 20	33,242.60 20	2.0070	1.5653	33,759.22 40

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2yr)	608.10	336.90	36.00	895,912	643,181
Office Park	6,211.80	147.60	2267.10	12,175,027	8,740,533
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	321.08	1,060.76	117.07	835,393	599,734
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	7,140.98	1,545.26	2,420.17	13,906,332	9,983,448

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2yr)	13.00	5.00	5.00	6.40	88.60	5.00	90	6	4
Office Park	13.00	5.00	5.00	33.00	48.00	19.00	90	6	4
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	13.00	5.00	5.00	16.30	64.70	19.00	90	6	4
Other Asphalt Surfaces	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Dana Reserve Commercial and Educational - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior College (2yr)	0.516135	0.058853	0.199929	0.136792	0.029532	0.007795	0.008341	0.005917	0.000885	0.000346	0.029869	0.000792	0.004814
Office Park	0.516135	0.058853	0.199929	0.136792	0.029532	0.007795	0.008341	0.005917	0.000885	0.000346	0.029869	0.000792	0.004814
Parking Lot	0.516135	0.058853	0.199929	0.136792	0.029532	0.007795	0.008341	0.005917	0.000885	0.000346	0.029869	0.000792	0.004814
Regional Shopping Center	0.516135	0.058853	0.199929	0.136792	0.029532	0.007795	0.008341	0.005917	0.000885	0.000346	0.029869	0.000792	0.004814
Other Asphalt Surfaces	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0784	0.7127	0.5987	4.2800e-003		0.0542	0.0542		0.0542	0.0542		855.2200	855.2200	0.0164	0.0157	860.3021
NaturalGas Unmitigated	0.0784	0.7127	0.5987	4.2800e-003		0.0542	0.0542		0.0542	0.0542		855.2200	855.2200	0.0164	0.0157	860.3021

Dana Reserve Commercial and Educational - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2yr)	1966.03	0.0212	0.1928	0.1619	1.1600e-003		0.0147	0.0147		0.0147	0.0147		231.2973	231.2973	4.4300e-003	4.2400e-003	232.6718
Office Park	5155.89	0.0556	0.5055	0.4246	3.0300e-003		0.0384	0.0384		0.0384	0.0384		606.5753	606.5753	0.0116	0.0111	610.1799
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	147.452	1.5900e-003	0.0145	0.0121	9.0000e-005		1.1000e-003	1.1000e-003		1.1000e-003	1.1000e-003		17.3473	17.3473	3.3000e-004	3.2000e-004	17.4504
Total		0.0784	0.7127	0.5987	4.2800e-003		0.0542	0.0542		0.0542	0.0542		855.2200	855.2200	0.0164	0.0157	860.3021

Dana Reserve Commercial and Educational - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2yr)	1.96603	0.0212	0.1928	0.1619	1.1600e-003		0.0147	0.0147		0.0147	0.0147		231.2973	231.2973	4.4300e-003	4.2400e-003	232.6718
Office Park	5.15589	0.0556	0.5055	0.4246	3.0300e-003		0.0384	0.0384		0.0384	0.0384		606.5753	606.5753	0.0116	0.0111	610.1799
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.147452	1.5900e-003	0.0145	0.0121	9.0000e-005		1.1000e-003	1.1000e-003		1.1000e-003	1.1000e-003		17.3473	17.3473	3.3000e-004	3.2000e-004	17.4504
Total		0.0784	0.7127	0.5987	4.2800e-003		0.0542	0.0542		0.0542	0.0542		855.2200	855.2200	0.0164	0.0157	860.3021

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior

Dana Reserve Commercial and Educational - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.7100	6.8000e-004	0.0751	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1618	0.1618	4.2000e-004		0.1722
Unmitigated	3.7100	6.8000e-004	0.0751	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1618	0.1618	4.2000e-004		0.1722

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1903					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.5128					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.8700e-003	6.8000e-004	0.0751	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1618	0.1618	4.2000e-004		0.1722
Total	3.7100	6.8000e-004	0.0751	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1618	0.1618	4.2000e-004		0.1722

Dana Reserve Commercial and Educational - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1903					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.5128					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.8700e-003	6.8000e-004	0.0751	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1618	0.1618	4.2000e-004		0.1722
Total	3.7100	6.8000e-004	0.0751	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1618	0.1618	4.2000e-004		0.1722

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

Dana Reserve Commercial and Educational - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Dana Reserve Commercial and Educational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Dana Reserve Commercial and Educational
San Luis Obispo County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Office Park	90.00	1000sqft	17.21	90,000.00	0
Junior College (2yr)	30.00	1000sqft	0.69	30,000.00	0
Other Asphalt Surfaces	24.08	Acre	24.08	1,048,924.80	0
Parking Lot	572.00	Space	5.15	228,800.00	0
Regional Shopping Center	23.00	1000sqft	4.40	23,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	127.09	CH4 Intensity (lb/MWhr)	0.021	N2O Intensity (lb/MWhr)	0.002

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Construction of commercial and educational will be completed on 2029. Utility intensity factor based on renewable portfolio standard for PG&E for 2030 operational year.

Land Use - Parking lot spaces are based on development standard which state 1sp/250 sqft of commercial space. Lot Acreage based on SP. Other Asphalt Surface used for residential roads

Construction Phase - Grubbing, site prep, and grading will take place with residential construction.

Off-road Equipment - Default

Off-road Equipment - Default

Off-road Equipment - Default

Dana Reserve Commercial and Educational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Vehicle Trips - Trip gen for weekday and sunday is based on traffic report, used defaults for saturday. Office park and retail are lumped in traffic report so their trip gens are split proportionally based on square footage. Trip Type is based on traffic report.

Area Coating - Use low VOC paint.

Construction Off-road Equipment Mitigation - Tier 3 engines, soil stabilizers, water exposed areas 3 times a day, and enforce vehicle speed on unpaved roads of 15 miles per hour.

Mobile Land Use Mitigation -

Area Mitigation - Use low VOC paints

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	76,663.00	13,728.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	150	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblAreaCoating	Area_Parking	76663	13728
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Dana Reserve Commercial and Educational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblFleetMix	HHD	5.9170e-003	0.00
tblFleetMix	LDA	0.52	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.20	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	7.7950e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	4.8140e-003	0.00
tblFleetMix	MHD	8.3410e-003	0.00
tblFleetMix	OBUS	8.8500e-004	0.00
tblFleetMix	SBUS	7.9200e-004	0.00
tblFleetMix	UBUS	3.4600e-004	0.00
tblLandUse	LotAcreage	2.07	17.21
tblLandUse	LotAcreage	0.53	4.40
tblProjectCharacteristics	CH4IntensityFactor	0.033	0.021
tblProjectCharacteristics	CO2IntensityFactor	203.98	127.09
tblProjectCharacteristics	N2OIntensityFactor	0.004	0.002
tblTripsAndVMT	VendorTripNumber	233.00	61.00
tblTripsAndVMT	WorkerTripNumber	585.00	145.00

Dana Reserve Commercial and Educational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblTripsAndVMT	WorkerTripNumber	117.00	29.00
tblVehicleTrips	DV_TP	7.00	6.00
tblVehicleTrips	DV_TP	15.00	6.00
tblVehicleTrips	DV_TP	35.00	6.00
tblVehicleTrips	PB_TP	1.00	4.00
tblVehicleTrips	PB_TP	3.00	4.00
tblVehicleTrips	PB_TP	11.00	4.00
tblVehicleTrips	PR_TP	92.00	90.00
tblVehicleTrips	PR_TP	82.00	90.00
tblVehicleTrips	PR_TP	54.00	90.00
tblVehicleTrips	SU_TR	1.21	1.20
tblVehicleTrips	SU_TR	0.76	25.19
tblVehicleTrips	SU_TR	21.10	5.09
tblVehicleTrips	WD_TR	20.25	20.27
tblVehicleTrips	WD_TR	11.07	69.02
tblVehicleTrips	WD_TR	37.75	13.96

2.0 Emissions Summary

Dana Reserve Commercial and Educational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	2.0163	16.2290	20.5552	0.0471	1.7170	0.6339	2.3509	0.4619	0.5964	1.0582	0.0000	4,647.5536	4,647.5536	0.6569	0.1724	4,715.3621
2025	1.8845	15.1720	20.2276	0.0466	1.7170	0.5475	2.2645	0.4619	0.5151	0.9770	0.0000	4,594.9226	4,594.9226	0.6511	0.1678	4,661.2077
2026	1.8605	15.0946	20.0211	0.0461	1.7170	0.5468	2.2639	0.4619	0.5145	0.9764	0.0000	4,544.6510	4,544.6510	0.6490	0.1635	4,609.5968
2027	1.8379	15.0238	19.8430	0.0456	1.7170	0.5462	2.2632	0.4619	0.5138	0.9757	0.0000	4,495.6709	4,495.6709	0.6472	0.1593	4,559.3154
2028	45.7081	14.9632	19.6939	0.0452	1.7171	0.5455	2.2626	0.4619	0.5132	0.9751	0.0000	4,450.3123	4,450.3123	0.7160	0.1554	4,512.7655
Maximum	45.7081	16.2290	20.5552	0.0471	1.7171	0.6339	2.3509	0.4619	0.5964	1.0582	0.0000	4,647.5536	4,647.5536	0.7160	0.1724	4,715.3621

Dana Reserve Commercial and Educational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.7100	6.8000e-004	0.0751	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1618	0.1618	4.2000e-004		0.1722
Energy	0.0784	0.7127	0.5987	4.2800e-003		0.0542	0.0542		0.0542	0.0542		855.2200	855.2200	0.0164	0.0157	860.3021
Mobile	18.1691	21.3345	162.9366	0.3169	40.3489	0.2598	40.6087	10.7501	0.2437	10.9938		32,228.4290	32,228.4290	2.1738	1.6518	32,775.0012
Total	21.9574	22.0479	163.6103	0.3212	40.3489	0.3142	40.6631	10.7501	0.2981	11.0482		33,083.8107	33,083.8107	2.1906	1.6675	33,635.4755

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.7100	6.8000e-004	0.0751	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1618	0.1618	4.2000e-004		0.1722
Energy	0.0784	0.7127	0.5987	4.2800e-003		0.0542	0.0542		0.0542	0.0542		855.2200	855.2200	0.0164	0.0157	860.3021
Mobile	15.6992	16.5402	128.7271	0.2302	28.9668	0.1935	29.1602	7.7176	0.1814	7.8990		23,411.2175	23,411.2175	1.7936	1.3013	23,843.8509
Total	19.4875	17.2535	129.4009	0.2345	28.9668	0.2479	29.2147	7.7176	0.2358	7.9534		24,266.5993	24,266.5993	1.8104	1.3170	24,704.3252

Dana Reserve Commercial and Educational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	11.25	21.75	20.91	26.99	28.21	21.09	28.15	28.21	20.89	28.01	0.00	26.65	26.65	17.36	21.02	26.55

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2024	3/31/2028	5	1110	
2	Architectural Coating	Architectural Coating	7/15/2028	10/27/2028	5	75	
3	Paving	Paving	4/1/2028	7/14/2028	5	75	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 29.23

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 214,500; Non-Residential Outdoor: 71,500; Striped Parking Area: 13,728 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Dana Reserve Commercial and Educational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Architectural Coating	Air Compressors	1	6.00	78	0.48
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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	145.00	61.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	29.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Dana Reserve Commercial and Educational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0682	2.4788	0.8082	8.9200e-003	0.2835	0.0141	0.2976	0.0817	0.0135	0.0951		956.1575	956.1575	0.0217	0.1404	998.5508
Worker	0.4765	0.3064	3.5801	0.0112	1.4335	6.5000e-003	1.4400	0.3802	5.9900e-003	0.3862		1,135.6972	1,135.6972	0.0308	0.0320	1,146.0036
Total	0.5448	2.7852	4.3883	0.0202	1.7170	0.0206	1.7375	0.4619	0.0195	0.4813		2,091.8547	2,091.8547	0.0525	0.1724	2,144.5544

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Dana Reserve Commercial and Educational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0682	2.4788	0.8082	8.9200e-003	0.2835	0.0141	0.2976	0.0817	0.0135	0.0951		956.1575	956.1575	0.0217	0.1404	998.5508
Worker	0.4765	0.3064	3.5801	0.0112	1.4335	6.5000e-003	1.4400	0.3802	5.9900e-003	0.3862		1,135.6972	1,135.6972	0.0308	0.0320	1,146.0036
Total	0.5448	2.7852	4.3883	0.0202	1.7170	0.0206	1.7375	0.4619	0.0195	0.4813		2,091.8547	2,091.8547	0.0525	0.1724	2,144.5544

3.2 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Dana Reserve Commercial and Educational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0659	2.4272	0.7960	8.7500e-003	0.2835	0.0138	0.2973	0.0817	0.0132	0.0948		939.6437	939.6437	0.0220	0.1379	981.2904
Worker	0.4512	0.2751	3.3469	0.0109	1.4335	6.2000e-003	1.4397	0.3802	5.7100e-003	0.3859		1,098.8045	1,098.8045	0.0281	0.0299	1,108.4192
Total	0.5171	2.7023	4.1429	0.0196	1.7170	0.0200	1.7369	0.4619	0.0189	0.4807		2,038.4482	2,038.4482	0.0501	0.1678	2,089.7096

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Dana Reserve Commercial and Educational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0659	2.4272	0.7960	8.7500e-003	0.2835	0.0138	0.2973	0.0817	0.0132	0.0948		939.6437	939.6437	0.0220	0.1379	981.2904
Worker	0.4512	0.2751	3.3469	0.0109	1.4335	6.2000e-003	1.4397	0.3802	5.7100e-003	0.3859		1,098.8045	1,098.8045	0.0281	0.0299	1,108.4192
Total	0.5171	2.7023	4.1429	0.0196	1.7170	0.0200	1.7369	0.4619	0.0189	0.4807		2,038.4482	2,038.4482	0.0501	0.1678	2,089.7096

3.2 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Dana Reserve Commercial and Educational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Construction - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0638	2.3756	0.7866	8.5900e-003	0.2835	0.0134	0.2969	0.0817	0.0128	0.0945		922.8412	922.8412	0.0224	0.1353	963.7298
Worker	0.4293	0.2493	3.1498	0.0105	1.4335	5.8900e-003	1.4394	0.3802	5.4300e-003	0.3856		1,065.3354	1,065.3354	0.0257	0.0282	1,074.3689
Total	0.4931	2.6249	3.9365	0.0191	1.7170	0.0193	1.7363	0.4619	0.0182	0.4801		1,988.1766	1,988.1766	0.0481	0.1635	2,038.0987

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Dana Reserve Commercial and Educational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Construction - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0638	2.3756	0.7866	8.5900e-003	0.2835	0.0134	0.2969	0.0817	0.0128	0.0945		922.8412	922.8412	0.0224	0.1353	963.7298
Worker	0.4293	0.2493	3.1498	0.0105	1.4335	5.8900e-003	1.4394	0.3802	5.4300e-003	0.3856		1,065.3354	1,065.3354	0.0257	0.0282	1,074.3689
Total	0.4931	2.6249	3.9365	0.0191	1.7170	0.0193	1.7363	0.4619	0.0182	0.4801		1,988.1766	1,988.1766	0.0481	0.1635	2,038.0987

3.2 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Dana Reserve Commercial and Educational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Construction - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0619	2.3269	0.7790	8.4200e-003	0.2836	0.0130	0.2966	0.0817	0.0125	0.0942		904.7060	904.7060	0.0227	0.1326	944.7879
Worker	0.4086	0.2273	2.9793	0.0102	1.4335	5.5500e-003	1.4390	0.3802	5.1100e-003	0.3853		1,034.4906	1,034.4906	0.0236	0.0267	1,043.0294
Total	0.4705	2.5542	3.7584	0.0187	1.7170	0.0186	1.7356	0.4619	0.0176	0.4795		1,939.1965	1,939.1965	0.0463	0.1593	1,987.8173

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Dana Reserve Commercial and Educational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Construction - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0619	2.3269	0.7790	8.4200e-003	0.2836	0.0130	0.2966	0.0817	0.0125	0.0942		904.7060	904.7060	0.0227	0.1326	944.7879
Worker	0.4086	0.2273	2.9793	0.0102	1.4335	5.5500e-003	1.4390	0.3802	5.1100e-003	0.3853		1,034.4906	1,034.4906	0.0236	0.0267	1,043.0294
Total	0.4705	2.5542	3.7584	0.0187	1.7170	0.0186	1.7356	0.4619	0.0176	0.4795		1,939.1965	1,939.1965	0.0463	0.1593	1,987.8173

3.2 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Dana Reserve Commercial and Educational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Construction - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0602	2.2848	0.7734	8.2500e-003	0.2836	0.0127	0.2963	0.0817	0.0122	0.0939		887.3893	887.3893	0.0230	0.1300	926.6994
Worker	0.3881	0.2088	2.8358	9.9600e-003	1.4335	5.2000e-003	1.4387	0.3802	4.7900e-003	0.3850		1,006.4487	1,006.4487	0.0218	0.0254	1,014.5681
Total	0.4483	2.4936	3.6092	0.0182	1.7171	0.0179	1.7350	0.4619	0.0170	0.4789		1,893.8379	1,893.8379	0.0448	0.1554	1,941.2675

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Dana Reserve Commercial and Educational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Construction - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0602	2.2848	0.7734	8.2500e-003	0.2836	0.0127	0.2963	0.0817	0.0122	0.0939		887.3893	887.3893	0.0230	0.1300	926.6994
Worker	0.3881	0.2088	2.8358	9.9600e-003	1.4335	5.2000e-003	1.4387	0.3802	4.7900e-003	0.3850		1,006.4487	1,006.4487	0.0218	0.0254	1,014.5681
Total	0.4483	2.4936	3.6092	0.0182	1.7171	0.0179	1.7350	0.4619	0.0170	0.4789		1,893.8379	1,893.8379	0.0448	0.1554	1,941.2675

3.3 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	45.4596					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	45.6305	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Dana Reserve Commercial and Educational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Architectural Coating - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0776	0.0418	0.5672	1.9900e-003	0.2867	1.0400e-003	0.2877	0.0760	9.6000e-004	0.0770		201.2897	201.2897	4.3600e-003	5.0800e-003	202.9136
Total	0.0776	0.0418	0.5672	1.9900e-003	0.2867	1.0400e-003	0.2877	0.0760	9.6000e-004	0.0770		201.2897	201.2897	4.3600e-003	5.0800e-003	202.9136

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	45.4596					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	45.5190	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Dana Reserve Commercial and Educational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Architectural Coating - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0776	0.0418	0.5672	1.9900e-003	0.2867	1.0400e-003	0.2877	0.0760	9.6000e-004	0.0770		201.2897	201.2897	4.3600e-003	5.0800e-003	202.9136
Total	0.0776	0.0418	0.5672	1.9900e-003	0.2867	1.0400e-003	0.2877	0.0760	9.6000e-004	0.0770		201.2897	201.2897	4.3600e-003	5.0800e-003	202.9136

3.4 Paving - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	1.0211					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9363	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Dana Reserve Commercial and Educational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Paving - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0402	0.0216	0.2934	1.0300e-003	0.1483	5.4000e-004	0.1488	0.0393	5.0000e-004	0.0398		104.1154	104.1154	2.2600e-003	2.6300e-003	104.9553
Total	0.0402	0.0216	0.2934	1.0300e-003	0.1483	5.4000e-004	0.1488	0.0393	5.0000e-004	0.0398		104.1154	104.1154	2.2600e-003	2.6300e-003	104.9553

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	1.0211					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5820	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Dana Reserve Commercial and Educational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Paving - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0402	0.0216	0.2934	1.0300e-003	0.1483	5.4000e-004	0.1488	0.0393	5.0000e-004	0.0398		104.1154	104.1154	2.2600e-003	2.6300e-003	104.9553
Total	0.0402	0.0216	0.2934	1.0300e-003	0.1483	5.4000e-004	0.1488	0.0393	5.0000e-004	0.0398		104.1154	104.1154	2.2600e-003	2.6300e-003	104.9553

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

- Increase Diversity
- Improve Destination Accessibility
- Increase Transit Accessibility
- Improve Pedestrian Network

Dana Reserve Commercial and Educational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	15.6992	16.5402	128.7271	0.2302	28.9668	0.1935	29.1602	7.7176	0.1814	7.8990		23,411.2175	23,411.2175	1.7936	1.3013	23,843.8509
Unmitigated	18.1691	21.3345	162.9366	0.3169	40.3489	0.2598	40.6087	10.7501	0.2437	10.9938		32,228.4290	32,228.4290	2.1738	1.6518	32,775.0012

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2yr)	608.10	336.90	36.00	895,912	643,181
Office Park	6,211.80	147.60	2267.10	12,175,027	8,740,533
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	321.08	1,060.76	117.07	835,393	599,734
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	7,140.98	1,545.26	2,420.17	13,906,332	9,983,448

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2yr)	13.00	5.00	5.00	6.40	88.60	5.00	90	6	4
Office Park	13.00	5.00	5.00	33.00	48.00	19.00	90	6	4
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	13.00	5.00	5.00	16.30	64.70	19.00	90	6	4
Other Asphalt Surfaces	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Dana Reserve Commercial and Educational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior College (2yr)	0.516135	0.058853	0.199929	0.136792	0.029532	0.007795	0.008341	0.005917	0.000885	0.000346	0.029869	0.000792	0.004814
Office Park	0.516135	0.058853	0.199929	0.136792	0.029532	0.007795	0.008341	0.005917	0.000885	0.000346	0.029869	0.000792	0.004814
Parking Lot	0.516135	0.058853	0.199929	0.136792	0.029532	0.007795	0.008341	0.005917	0.000885	0.000346	0.029869	0.000792	0.004814
Regional Shopping Center	0.516135	0.058853	0.199929	0.136792	0.029532	0.007795	0.008341	0.005917	0.000885	0.000346	0.029869	0.000792	0.004814
Other Asphalt Surfaces	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0784	0.7127	0.5987	4.2800e-003		0.0542	0.0542		0.0542	0.0542		855.2200	855.2200	0.0164	0.0157	860.3021
NaturalGas Unmitigated	0.0784	0.7127	0.5987	4.2800e-003		0.0542	0.0542		0.0542	0.0542		855.2200	855.2200	0.0164	0.0157	860.3021

Dana Reserve Commercial and Educational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2yr)	1966.03	0.0212	0.1928	0.1619	1.1600e-003		0.0147	0.0147		0.0147	0.0147		231.2973	231.2973	4.4300e-003	4.2400e-003	232.6718
Office Park	5155.89	0.0556	0.5055	0.4246	3.0300e-003		0.0384	0.0384		0.0384	0.0384		606.5753	606.5753	0.0116	0.0111	610.1799
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	147.452	1.5900e-003	0.0145	0.0121	9.0000e-005		1.1000e-003	1.1000e-003		1.1000e-003	1.1000e-003		17.3473	17.3473	3.3000e-004	3.2000e-004	17.4504
Total		0.0784	0.7127	0.5987	4.2800e-003		0.0542	0.0542		0.0542	0.0542		855.2200	855.2200	0.0164	0.0157	860.3021

Dana Reserve Commercial and Educational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2yr)	1.96603	0.0212	0.1928	0.1619	1.1600e-003		0.0147	0.0147		0.0147	0.0147		231.2973	231.2973	4.4300e-003	4.2400e-003	232.6718
Office Park	5.15589	0.0556	0.5055	0.4246	3.0300e-003		0.0384	0.0384		0.0384	0.0384		606.5753	606.5753	0.0116	0.0111	610.1799
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.147452	1.5900e-003	0.0145	0.0121	9.0000e-005		1.1000e-003	1.1000e-003		1.1000e-003	1.1000e-003		17.3473	17.3473	3.3000e-004	3.2000e-004	17.4504
Total		0.0784	0.7127	0.5987	4.2800e-003		0.0542	0.0542		0.0542	0.0542		855.2200	855.2200	0.0164	0.0157	860.3021

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior

Dana Reserve Commercial and Educational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.7100	6.8000e-004	0.0751	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1618	0.1618	4.2000e-004		0.1722
Unmitigated	3.7100	6.8000e-004	0.0751	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1618	0.1618	4.2000e-004		0.1722

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1903					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.5128					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.8700e-003	6.8000e-004	0.0751	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1618	0.1618	4.2000e-004		0.1722
Total	3.7100	6.8000e-004	0.0751	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1618	0.1618	4.2000e-004		0.1722

Dana Reserve Commercial and Educational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1903					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.5128					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.8700e-003	6.8000e-004	0.0751	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1618	0.1618	4.2000e-004		0.1722
Total	3.7100	6.8000e-004	0.0751	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004		0.1618	0.1618	4.2000e-004		0.1722

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

Dana Reserve Commercial and Educational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Dana Reserve Hotel 2030
San Luis Obispo County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hotel	110.00	Room	3.67	60,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	127.09	CH4 Intensity (lb/MWhr)	0.021	N2O Intensity (lb/MWhr)	0.002

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Utility intensity factor is based on renewable portfolio standards for PG&E in year 2030

Land Use - As per traffic report the hotel is 110 rooms and as per buildout schedule the hotel will be 60,000sqft.

Construction Phase - Demo, site prep, and grading will be completed at start of residential and so are not accounted for in this model run.

Off-road Equipment - Default

Off-road Equipment - Default

Off-road Equipment - Default

Vehicle Trips - Weekday and sunday trip generation is based on traffic report. Trip type is based on traffic report.

Construction Off-road Equipment Mitigation - Tier 3 engines, soil stabilizers, water exposed areas 3 times per day, and a speed limit of 15mph on unpaved roads.

Mobile Land Use Mitigation -

Area Mitigation - Use low VOC paints (50g/L)

Energy Mitigation -

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblLandUse	LandUseSquareFeet	159,720.00	60,000.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0.021
tblProjectCharacteristics	CO2IntensityFactor	203.98	127.09
tblProjectCharacteristics	N2OIntensityFactor	0.004	0.002
tblVehicleTrips	DV_TP	38.00	6.00
tblVehicleTrips	PR_TP	58.00	90.00
tblVehicleTrips	SU_TR	5.95	5.96

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2026	0.6774	1.5591	2.0523	3.6800e-003	0.0350	0.0646	0.0995	9.4100e-003	0.0607	0.0701	0.0000	319.5991	319.5991	0.0683	2.8500e-003	322.1547
2027	0.1936	2.8800e-003	4.7800e-003	1.0000e-005	1.2000e-004	1.3000e-004	2.5000e-004	3.0000e-005	1.3000e-004	1.6000e-004	0.0000	0.7198	0.7198	4.0000e-005	0.0000	0.7213
Maximum	0.6774	1.5591	2.0523	3.6800e-003	0.0350	0.0646	0.0995	9.4100e-003	0.0607	0.0701	0.0000	319.5991	319.5991	0.0683	2.8500e-003	322.1547

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2026	0.5935	1.7764	2.2703	3.6800e-003	0.0350	0.1096	0.1446	9.4100e-003	0.1096	0.1190	0.0000	319.5988	319.5988	0.0683	2.8500e-003	322.1544
2027	0.1933	3.4100e-003	4.8400e-003	1.0000e-005	1.2000e-004	2.4000e-004	3.6000e-004	3.0000e-005	2.4000e-004	2.7000e-004	0.0000	0.7198	0.7198	4.0000e-005	0.0000	0.7213
Maximum	0.5935	1.7764	2.2703	3.6800e-003	0.0350	0.1096	0.1446	9.4100e-003	0.1096	0.1190	0.0000	319.5988	319.5988	0.0683	2.8500e-003	322.1544

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	9.66	-13.95	-10.60	0.00	0.00	-69.85	-45.29	0.00	-80.60	-69.77	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2026	3-31-2026	0.4614	0.4955
2	4-1-2026	6-30-2026	0.4657	0.5002
3	7-1-2026	9-30-2026	0.4708	0.5057
4	10-1-2026	12-31-2026	0.8068	0.8369
5	1-1-2027	3-31-2027	0.1965	0.1967
		Highest	0.8068	0.8369

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3040	2.0000e-005	1.8400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.6000e-003	3.6000e-003	1.0000e-005	0.0000	3.8400e-003
Energy	0.0142	0.1292	0.1085	7.7000e-004		9.8200e-003	9.8200e-003		9.8200e-003	9.8200e-003	0.0000	166.1876	166.1876	6.9200e-003	2.9800e-003	167.2488
Mobile	0.3458	0.3942	2.9603	5.8200e-003	0.7167	4.7800e-003	0.7215	0.1913	4.4800e-003	0.1958	0.0000	537.0088	537.0088	0.0365	0.0277	546.1876
Waste						0.0000	0.0000		0.0000	0.0000	12.2262	0.0000	12.2262	0.7225	0.0000	30.2898
Water						0.0000	0.0000		0.0000	0.0000	0.8853	0.9329	1.8182	0.0911	2.1600e-003	4.7393
Total	0.6641	0.5233	3.0706	6.5900e-003	0.7167	0.0146	0.7313	0.1913	0.0143	0.2057	13.1114	704.1329	717.2443	0.8570	0.0329	748.4693

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2484	2.0000e-005	1.8400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.6000e-003	3.6000e-003	1.0000e-005	0.0000	3.8400e-003
Energy	0.0142	0.1292	0.1085	7.7000e-004		9.8200e-003	9.8200e-003		9.8200e-003	9.8200e-003	0.0000	165.6376	165.6376	6.8300e-003	2.9700e-003	166.6940
Mobile	0.3365	0.3757	2.8308	5.4900e-003	0.6740	4.5300e-003	0.6786	0.1800	4.2400e-003	0.1842	0.0000	506.1131	506.1131	0.0351	0.0265	514.8962
Waste						0.0000	0.0000		0.0000	0.0000	6.1131	0.0000	6.1131	0.3613	0.0000	15.1449
Water						0.0000	0.0000		0.0000	0.0000	0.7472	0.7934	1.5405	0.0769	1.8200e-003	4.0060
Total	0.5991	0.5049	2.9411	6.2600e-003	0.6740	0.0144	0.6884	0.1800	0.0141	0.1940	6.8602	672.5477	679.4079	0.4801	0.0313	700.7449

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	9.78	3.52	4.22	5.01	5.95	1.71	5.87	5.95	1.68	5.65	47.68	4.49	5.28	43.98	4.74	6.38

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2026	11/18/2026	5	230	
2	Paving	Paving	11/19/2026	12/14/2026	5	18	
3	Architectural Coating	Architectural Coating	12/15/2026	1/7/2027	5	18	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 90,000; Non-Residential Outdoor: 30,000; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	25.00	10.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1573	1.4340	1.8497	3.1000e-003		0.0607	0.0607		0.0571	0.0571	0.0000	266.7074	266.7074	0.0627	0.0000	268.2747
Total	0.1573	1.4340	1.8497	3.1000e-003		0.0607	0.0607		0.0571	0.0571	0.0000	266.7074	266.7074	0.0627	0.0000	268.2747

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3.2 Building Construction - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2200e-003	0.0446	0.0146	1.6000e-004	5.2300e-003	2.5000e-004	5.4800e-003	1.5100e-003	2.4000e-004	1.7500e-003	0.0000	15.7656	15.7656	3.8000e-004	2.3100e-003	16.4641
Worker	7.7300e-003	4.8300e-003	0.0620	2.1000e-004	0.0277	1.2000e-004	0.0278	7.3600e-003	1.1000e-004	7.4600e-003	0.0000	19.2996	19.2996	4.5000e-004	5.0000e-004	19.4595
Total	8.9500e-003	0.0495	0.0766	3.7000e-004	0.0329	3.7000e-004	0.0333	8.8700e-003	3.5000e-004	9.2100e-003	0.0000	35.0652	35.0652	8.3000e-004	2.8100e-003	35.9236

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0775	1.6360	2.0555	3.1000e-003		0.1039	0.1039		0.1039	0.1039	0.0000	266.7071	266.7071	0.0627	0.0000	268.2744
Total	0.0775	1.6360	2.0555	3.1000e-003		0.1039	0.1039		0.1039	0.1039	0.0000	266.7071	266.7071	0.0627	0.0000	268.2744

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3.2 Building Construction - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2200e-003	0.0446	0.0146	1.6000e-004	5.2300e-003	2.5000e-004	5.4800e-003	1.5100e-003	2.4000e-004	1.7500e-003	0.0000	15.7656	15.7656	3.8000e-004	2.3100e-003	16.4641
Worker	7.7300e-003	4.8300e-003	0.0620	2.1000e-004	0.0277	1.2000e-004	0.0278	7.3600e-003	1.1000e-004	7.4600e-003	0.0000	19.2996	19.2996	4.5000e-004	5.0000e-004	19.4595
Total	8.9500e-003	0.0495	0.0766	3.7000e-004	0.0329	3.7000e-004	0.0333	8.8700e-003	3.5000e-004	9.2100e-003	0.0000	35.0652	35.0652	8.3000e-004	2.8100e-003	35.9236

3.3 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.3800e-003	0.0678	0.1096	1.7000e-004		3.1700e-003	3.1700e-003		2.9300e-003	2.9300e-003	0.0000	14.7404	14.7404	4.6300e-003	0.0000	14.8562
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	7.3800e-003	0.0678	0.1096	1.7000e-004		3.1700e-003	3.1700e-003		2.9300e-003	2.9300e-003	0.0000	14.7404	14.7404	4.6300e-003	0.0000	14.8562

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3.3 Paving - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	3.0000e-004	3.8800e-003	1.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.2083	1.2083	3.0000e-005	3.0000e-005	1.2183
Total	4.8000e-004	3.0000e-004	3.8800e-003	1.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.2083	1.2083	3.0000e-005	3.0000e-005	1.2183

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.9500e-003	0.0818	0.1218	1.7000e-004		4.7200e-003	4.7200e-003		4.7200e-003	4.7200e-003	0.0000	14.7404	14.7404	4.6300e-003	0.0000	14.8562
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.9500e-003	0.0818	0.1218	1.7000e-004		4.7200e-003	4.7200e-003		4.7200e-003	4.7200e-003	0.0000	14.7404	14.7404	4.6300e-003	0.0000	14.8562

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3.3 Paving - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	3.0000e-004	3.8800e-003	1.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.2083	1.2083	3.0000e-005	3.0000e-005	1.2183
Total	4.8000e-004	3.0000e-004	3.8800e-003	1.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.2083	1.2083	3.0000e-005	3.0000e-005	1.2183

3.4 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5021					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1100e-003	7.4500e-003	0.0118	2.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	1.6596	1.6596	9.0000e-005	0.0000	1.6619
Total	0.5032	7.4500e-003	0.0118	2.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	1.6596	1.6596	9.0000e-005	0.0000	1.6619

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3.4 Architectural Coating - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-005	5.0000e-005	7.0000e-004	0.0000	3.1000e-004	0.0000	3.1000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2182	0.2182	1.0000e-005	1.0000e-005	0.2200
Total	9.0000e-005	5.0000e-005	7.0000e-004	0.0000	3.1000e-004	0.0000	3.1000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2182	0.2182	1.0000e-005	1.0000e-005	0.2200

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5021					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9000e-004	8.8200e-003	0.0119	2.0000e-005		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	1.6596	1.6596	9.0000e-005	0.0000	1.6619
Total	0.5025	8.8200e-003	0.0119	2.0000e-005		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	1.6596	1.6596	9.0000e-005	0.0000	1.6619

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3.4 Architectural Coating - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-005	5.0000e-005	7.0000e-004	0.0000	3.1000e-004	0.0000	3.1000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2182	0.2182	1.0000e-005	1.0000e-005	0.2200
Total	9.0000e-005	5.0000e-005	7.0000e-004	0.0000	3.1000e-004	0.0000	3.1000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2182	0.2182	1.0000e-005	1.0000e-005	0.2200

3.4 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1931					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.3000e-004	2.8600e-003	4.5200e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	0.6383	0.6383	3.0000e-005	0.0000	0.6392
Total	0.1936	2.8600e-003	4.5200e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	0.6383	0.6383	3.0000e-005	0.0000	0.6392

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3.4 Architectural Coating - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.5000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0815	0.0815	0.0000	0.0000	0.0821
Total	3.0000e-005	2.0000e-005	2.5000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0815	0.0815	0.0000	0.0000	0.0821

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1931					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5000e-004	3.3900e-003	4.5800e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.6383	0.6383	3.0000e-005	0.0000	0.6392
Total	0.1933	3.3900e-003	4.5800e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.6383	0.6383	3.0000e-005	0.0000	0.6392

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3.4 Architectural Coating - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.5000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0815	0.0815	0.0000	0.0000	0.0821
Total	3.0000e-005	2.0000e-005	2.5000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0815	0.0815	0.0000	0.0000	0.0821

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

- Increase Diversity
- Improve Walkability Design
- Improve Destination Accessibility
- Increase Transit Accessibility
- Improve Pedestrian Network

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3365	0.3757	2.8308	5.4900e-003	0.6740	4.5300e-003	0.6786	0.1800	4.2400e-003	0.1842	0.0000	506.1131	506.1131	0.0351	0.0265	514.8962
Unmitigated	0.3458	0.3942	2.9603	5.8200e-003	0.7167	4.7800e-003	0.7215	0.1913	4.4800e-003	0.1958	0.0000	537.0088	537.0088	0.0365	0.0277	546.1876

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	919.60	900.90	655.60	1,919,910	1,805,675
Total	919.60	900.90	655.60	1,919,910	1,805,675

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Hotel	13.00	5.00	5.00	19.40	61.60	19.00	90	6	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hotel	0.516135	0.058853	0.199929	0.136792	0.029532	0.007795	0.008341	0.005917	0.000885	0.000346	0.029869	0.000792	0.004814

5.0 Energy Detail

Historical Energy Use: N

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	25.0453	25.0453	4.1400e-003	3.9000e-004	25.2663
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	25.5953	25.5953	4.2300e-003	4.0000e-004	25.8211
NaturalGas Mitigated	0.0142	0.1292	0.1085	7.7000e-004		9.8200e-003	9.8200e-003		9.8200e-003	9.8200e-003	0.0000	140.5923	140.5923	2.6900e-003	2.5800e-003	141.4278
NaturalGas Unmitigated	0.0142	0.1292	0.1085	7.7000e-004		9.8200e-003	9.8200e-003		9.8200e-003	9.8200e-003	0.0000	140.5923	140.5923	2.6900e-003	2.5800e-003	141.4278

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Hotel	2.6346e+006	0.0142	0.1292	0.1085	7.7000e-004		9.8200e-003	9.8200e-003		9.8200e-003	9.8200e-003	0.0000	140.5923	140.5923	2.6900e-003	2.5800e-003	141.4278
Total		0.0142	0.1292	0.1085	7.7000e-004		9.8200e-003	9.8200e-003		9.8200e-003	9.8200e-003	0.0000	140.5923	140.5923	2.6900e-003	2.5800e-003	141.4278

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Hotel	2.6346e+006	0.0142	0.1292	0.1085	7.7000e-004		9.8200e-003	9.8200e-003		9.8200e-003	9.8200e-003	0.0000	140.5923	140.5923	2.6900e-003	2.5800e-003	141.4278
Total		0.0142	0.1292	0.1085	7.7000e-004		9.8200e-003	9.8200e-003		9.8200e-003	9.8200e-003	0.0000	140.5923	140.5923	2.6900e-003	2.5800e-003	141.4278

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	444000	25.5953	4.2300e-003	4.0000e-004	25.8211
Total		25.5953	4.2300e-003	4.0000e-004	25.8211

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	434460	25.0453	4.1400e-003	3.9000e-004	25.2663
Total		25.0453	4.1400e-003	3.9000e-004	25.2663

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

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Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2484	2.0000e-005	1.8400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.6000e-003	3.6000e-003	1.0000e-005	0.0000	3.8400e-003
Unmitigated	0.3040	2.0000e-005	1.8400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.6000e-003	3.6000e-003	1.0000e-005	0.0000	3.8400e-003

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6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0695					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2343					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.7000e-004	2.0000e-005	1.8400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.6000e-003	3.6000e-003	1.0000e-005	0.0000	3.8400e-003
Total	0.3040	2.0000e-005	1.8400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.6000e-003	3.6000e-003	1.0000e-005	0.0000	3.8400e-003

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0139					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2343					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.7000e-004	2.0000e-005	1.8400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.6000e-003	3.6000e-003	1.0000e-005	0.0000	3.8400e-003
Total	0.2484	2.0000e-005	1.8400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.6000e-003	3.6000e-003	1.0000e-005	0.0000	3.8400e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Use Water Efficient Irrigation System

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	1.5405	0.0769	1.8200e-003	4.0060
Unmitigated	1.8182	0.0911	2.1600e-003	4.7393

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	2.79034 / 0.310038	1.8182	0.0911	2.1600e-003	4.7393
Total		1.8182	0.0911	2.1600e-003	4.7393

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	2.35505 / 0.291126	1.5405	0.0769	1.8200e-003	4.0060
Total		1.5405	0.0769	1.8200e-003	4.0060

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	6.1131	0.3613	0.0000	15.1449
Unmitigated	12.2262	0.7225	0.0000	30.2898

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	60.23	12.2262	0.7225	0.0000	30.2898
Total		12.2262	0.7225	0.0000	30.2898

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	30.115	6.1131	0.3613	0.0000	15.1449
Total		6.1131	0.3613	0.0000	15.1449

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Dana Reserve Hotel
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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hotel	110.00	Room	3.67	60,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2027
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MW hr)	152.51	CH4 Intensity (lb/MW hr)	0.025	N2O Intensity (lb/MW hr)	0.003

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Utility intensity factor is based on renewable portfolio standards for PG&E in year 2027.

Land Use - As per traffic report the hotel is 110 rooms and as per buildout schedule the hotel will be 60,000sqft.

Construction Phase - Demo, site prep, and grading will be completed at start of residential and so are not accounted for in this model run.

Off-road Equipment - Default

Off-road Equipment - Default

Off-road Equipment - Default

Vehicle Trips - Weekday and sunday trip generation is based on traffic report. Trip type is based on traffic report.

Construction Off-road Equipment Mitigation - Tier 3 engines, soil stabilizers, water exposed areas 3 times per day, and a speed limit of 15mph on unpaved roads.

Area Mitigation - Use low VOC paints (50g/L)

Energy Mitigation -

Water Mitigation -

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 3
tblLandUse	LandUseSquareFeet	159,720.00	60,000.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0.025
tblProjectCharacteristics	CO2IntensityFactor	203.98	152.51
tblProjectCharacteristics	N2OIntensityFactor	0.004	0.003
tblVehicleTrips	DV_TP	38.00	6.00
tblVehicleTrips	PR_TP	58.00	90.00
tblVehicleTrips	SU_TR	5.95	5.96

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2026	0.6774	1.5591	2.0523	3.6800e-003	0.0350	0.0646	0.0995	9.4100e-003	0.0607	0.0701	0.0000	319.5991	319.5991	0.0683	2.8500e-003	322.1547
2027	0.1936	2.8800e-003	4.7800e-003	1.0000e-005	1.2000e-004	1.3000e-004	2.5000e-004	3.0000e-005	1.3000e-004	1.6000e-004	0.0000	0.7198	0.7198	4.0000e-005	0.0000	0.7213
Maximum	0.6774	1.5591	2.0523	3.6800e-003	0.0350	0.0646	0.0995	9.4100e-003	0.0607	0.0701	0.0000	319.5991	319.5991	0.0683	2.8500e-003	322.1547

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2026	0.5935	1.7764	2.2703	3.6800e-003	0.0350	0.1096	0.1446	9.4100e-003	0.1096	0.1190	0.0000	319.5988	319.5988	0.0683	2.8500e-003	322.1544
2027	0.1933	3.4100e-003	4.8400e-003	1.0000e-005	1.2000e-004	2.4000e-004	3.6000e-004	3.0000e-005	2.4000e-004	2.7000e-004	0.0000	0.7198	0.7198	4.0000e-005	0.0000	0.7213
Maximum	0.5935	1.7764	2.2703	3.6800e-003	0.0350	0.1096	0.1446	9.4100e-003	0.1096	0.1190	0.0000	319.5988	319.5988	0.0683	2.8500e-003	322.1544

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	9.66	-13.95	-10.60	0.00	0.00	-69.85	-45.29	0.00	-80.60	-69.77	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2026	3-31-2026	0.4614	0.4955
2	4-1-2026	6-30-2026	0.4657	0.5002
3	7-1-2026	9-30-2026	0.4708	0.5057
4	10-1-2026	12-31-2026	0.8068	0.8369
5	1-1-2027	3-31-2027	0.1965	0.1967
		Highest	0.8068	0.8369

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3040	2.0000e-005	1.8500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.6000e-003	3.6000e-003	1.0000e-005	0.0000	3.8400e-003
Energy	0.0142	0.1292	0.1085	7.7000e-004		9.8200e-003	9.8200e-003		9.8200e-003	9.8200e-003	0.0000	171.3070	171.3070	7.7300e-003	3.1800e-003	172.4484
Mobile	0.3940	0.4829	3.3105	6.3500e-003	0.7174	5.8500e-003	0.7232	0.1916	5.4900e-003	0.1971	0.0000	585.9485	585.9485	0.0415	0.0311	596.2646
Waste						0.0000	0.0000		0.0000	0.0000	12.2262	0.0000	12.2262	0.7225	0.0000	30.2898
Water						0.0000	0.0000		0.0000	0.0000	0.8853	1.1196	2.0048	0.0911	2.1700e-003	4.9288
Total	0.7122	0.6120	3.4208	7.1200e-003	0.7174	0.0157	0.7331	0.1916	0.0153	0.2070	13.1114	758.3787	771.4901	0.8629	0.0365	803.9355

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2484	2.0000e-005	1.8500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.6000e-003	3.6000e-003	1.0000e-005	0.0000	3.8400e-003
Energy	0.0142	0.1292	0.1085	7.7000e-004		9.8200e-003	9.8200e-003		9.8200e-003	9.8200e-003	0.0000	170.6471	170.6471	7.6200e-003	3.1700e-003	171.7819
Mobile	0.3940	0.4829	3.3105	6.3500e-003	0.7174	5.8500e-003	0.7232	0.1916	5.4900e-003	0.1971	0.0000	585.9485	585.9485	0.0415	0.0311	596.2646
Waste						0.0000	0.0000		0.0000	0.0000	6.1131	0.0000	6.1131	0.3613	0.0000	15.1449
Water						0.0000	0.0000		0.0000	0.0000	0.7472	0.9520	1.6992	0.0769	1.8300e-003	4.1671
Total	0.6566	0.6120	3.4208	7.1200e-003	0.7174	0.0157	0.7331	0.1916	0.0153	0.2070	6.8602	757.5512	764.4114	0.4873	0.0361	787.3624

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	7.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.68	0.11	0.92	43.53	0.96	2.06

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2026	11/18/2026	5	230	
2	Paving	Paving	11/19/2026	12/14/2026	5	18	
3	Architectural Coating	Architectural Coating	12/15/2026	1/7/2027	5	18	

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Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 90,000; Non-Residential Outdoor: 30,000; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	25.00	10.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1573	1.4340	1.8497	3.1000e-003		0.0607	0.0607		0.0571	0.0571	0.0000	266.7074	266.7074	0.0627	0.0000	268.2747
Total	0.1573	1.4340	1.8497	3.1000e-003		0.0607	0.0607		0.0571	0.0571	0.0000	266.7074	266.7074	0.0627	0.0000	268.2747

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Construction - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2200e-003	0.0446	0.0146	1.6000e-004	5.2300e-003	2.5000e-004	5.4800e-003	1.5100e-003	2.4000e-004	1.7500e-003	0.0000	15.7656	15.7656	3.8000e-004	2.3100e-003	16.4641
Worker	7.7300e-003	4.8300e-003	0.0620	2.1000e-004	0.0277	1.2000e-004	0.0278	7.3600e-003	1.1000e-004	7.4600e-003	0.0000	19.2996	19.2996	4.5000e-004	5.0000e-004	19.4595
Total	8.9500e-003	0.0495	0.0766	3.7000e-004	0.0329	3.7000e-004	0.0333	8.8700e-003	3.5000e-004	9.2100e-003	0.0000	35.0652	35.0652	8.3000e-004	2.8100e-003	35.9236

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0775	1.6360	2.0555	3.1000e-003		0.1039	0.1039		0.1039	0.1039	0.0000	266.7071	266.7071	0.0627	0.0000	268.2744
Total	0.0775	1.6360	2.0555	3.1000e-003		0.1039	0.1039		0.1039	0.1039	0.0000	266.7071	266.7071	0.0627	0.0000	268.2744

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Construction - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2200e-003	0.0446	0.0146	1.6000e-004	5.2300e-003	2.5000e-004	5.4800e-003	1.5100e-003	2.4000e-004	1.7500e-003	0.0000	15.7656	15.7656	3.8000e-004	2.3100e-003	16.4641
Worker	7.7300e-003	4.8300e-003	0.0620	2.1000e-004	0.0277	1.2000e-004	0.0278	7.3600e-003	1.1000e-004	7.4600e-003	0.0000	19.2996	19.2996	4.5000e-004	5.0000e-004	19.4595
Total	8.9500e-003	0.0495	0.0766	3.7000e-004	0.0329	3.7000e-004	0.0333	8.8700e-003	3.5000e-004	9.2100e-003	0.0000	35.0652	35.0652	8.3000e-004	2.8100e-003	35.9236

3.3 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.3800e-003	0.0678	0.1096	1.7000e-004		3.1700e-003	3.1700e-003		2.9300e-003	2.9300e-003	0.0000	14.7404	14.7404	4.6300e-003	0.0000	14.8562
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	7.3800e-003	0.0678	0.1096	1.7000e-004		3.1700e-003	3.1700e-003		2.9300e-003	2.9300e-003	0.0000	14.7404	14.7404	4.6300e-003	0.0000	14.8562

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Paving - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	3.0000e-004	3.8800e-003	1.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.2083	1.2083	3.0000e-005	3.0000e-005	1.2183
Total	4.8000e-004	3.0000e-004	3.8800e-003	1.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.2083	1.2083	3.0000e-005	3.0000e-005	1.2183

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.9500e-003	0.0818	0.1218	1.7000e-004		4.7200e-003	4.7200e-003		4.7200e-003	4.7200e-003	0.0000	14.7404	14.7404	4.6300e-003	0.0000	14.8562
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.9500e-003	0.0818	0.1218	1.7000e-004		4.7200e-003	4.7200e-003		4.7200e-003	4.7200e-003	0.0000	14.7404	14.7404	4.6300e-003	0.0000	14.8562

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Paving - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	3.0000e-004	3.8800e-003	1.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.2083	1.2083	3.0000e-005	3.0000e-005	1.2183
Total	4.8000e-004	3.0000e-004	3.8800e-003	1.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.2083	1.2083	3.0000e-005	3.0000e-005	1.2183

3.4 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5021					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1100e-003	7.4500e-003	0.0118	2.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	1.6596	1.6596	9.0000e-005	0.0000	1.6619
Total	0.5032	7.4500e-003	0.0118	2.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	1.6596	1.6596	9.0000e-005	0.0000	1.6619

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3.4 Architectural Coating - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-005	5.0000e-005	7.0000e-004	0.0000	3.1000e-004	0.0000	3.1000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2182	0.2182	1.0000e-005	1.0000e-005	0.2200
Total	9.0000e-005	5.0000e-005	7.0000e-004	0.0000	3.1000e-004	0.0000	3.1000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2182	0.2182	1.0000e-005	1.0000e-005	0.2200

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5021					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9000e-004	8.8200e-003	0.0119	2.0000e-005		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	1.6596	1.6596	9.0000e-005	0.0000	1.6619
Total	0.5025	8.8200e-003	0.0119	2.0000e-005		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	1.6596	1.6596	9.0000e-005	0.0000	1.6619

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3.4 Architectural Coating - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-005	5.0000e-005	7.0000e-004	0.0000	3.1000e-004	0.0000	3.1000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2182	0.2182	1.0000e-005	1.0000e-005	0.2200
Total	9.0000e-005	5.0000e-005	7.0000e-004	0.0000	3.1000e-004	0.0000	3.1000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2182	0.2182	1.0000e-005	1.0000e-005	0.2200

3.4 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1931					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.3000e-004	2.8600e-003	4.5200e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	0.6383	0.6383	3.0000e-005	0.0000	0.6392
Total	0.1936	2.8600e-003	4.5200e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	0.6383	0.6383	3.0000e-005	0.0000	0.6392

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3.4 Architectural Coating - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.5000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0815	0.0815	0.0000	0.0000	0.0821
Total	3.0000e-005	2.0000e-005	2.5000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0815	0.0815	0.0000	0.0000	0.0821

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1931					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5000e-004	3.3900e-003	4.5800e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.6383	0.6383	3.0000e-005	0.0000	0.6392
Total	0.1933	3.3900e-003	4.5800e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.6383	0.6383	3.0000e-005	0.0000	0.6392

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.5000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0815	0.0815	0.0000	0.0000	0.0821
Total	3.0000e-005	2.0000e-005	2.5000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0815	0.0815	0.0000	0.0000	0.0821

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3940	0.4829	3.3105	6.3500e-003	0.7174	5.8500e-003	0.7232	0.1916	5.4900e-003	0.1971	0.0000	585.9485	585.9485	0.0415	0.0311	596.2646
Unmitigated	0.3940	0.4829	3.3105	6.3500e-003	0.7174	5.8500e-003	0.7232	0.1916	5.4900e-003	0.1971	0.0000	585.9485	585.9485	0.0415	0.0311	596.2646

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	919.60	900.90	655.60	1,919,910	1,919,910
Total	919.60	900.90	655.60	1,919,910	1,919,910

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Hotel	13.00	5.00	5.00	19.40	61.60	19.00	90	6	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hotel	0.502926	0.057913	0.201381	0.142041	0.033535	0.008550	0.008361	0.005979	0.000919	0.000356	0.031380	0.000886	0.005774

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	30.0548	30.0548	4.9300e-003	5.9000e-004	30.3542
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	30.7148	30.7148	5.0300e-003	6.0000e-004	31.0207
NaturalGas Mitigated	0.0142	0.1292	0.1085	7.7000e-004		9.8200e-003	9.8200e-003		9.8200e-003	9.8200e-003	0.0000	140.5923	140.5923	2.6900e-003	2.5800e-003	141.4278
NaturalGas Unmitigated	0.0142	0.1292	0.1085	7.7000e-004		9.8200e-003	9.8200e-003		9.8200e-003	9.8200e-003	0.0000	140.5923	140.5923	2.6900e-003	2.5800e-003	141.4278

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Hotel	2.6346e+006	0.0142	0.1292	0.1085	7.7000e-004		9.8200e-003	9.8200e-003		9.8200e-003	9.8200e-003	0.0000	140.5923	140.5923	2.6900e-003	2.5800e-003	141.4278
Total		0.0142	0.1292	0.1085	7.7000e-004		9.8200e-003	9.8200e-003		9.8200e-003	9.8200e-003	0.0000	140.5923	140.5923	2.6900e-003	2.5800e-003	141.4278

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Hotel	2.6346e+006	0.0142	0.1292	0.1085	7.7000e-004		9.8200e-003	9.8200e-003		9.8200e-003	9.8200e-003	0.0000	140.5923	140.5923	2.6900e-003	2.5800e-003	141.4278
Total		0.0142	0.1292	0.1085	7.7000e-004		9.8200e-003	9.8200e-003		9.8200e-003	9.8200e-003	0.0000	140.5923	140.5923	2.6900e-003	2.5800e-003	141.4278

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	444000	30.7148	5.0300e-003	6.0000e-004	31.0207
Total		30.7148	5.0300e-003	6.0000e-004	31.0207

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	434460	30.0548	4.9300e-003	5.9000e-004	30.3542
Total		30.0548	4.9300e-003	5.9000e-004	30.3542

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2484	2.0000e-005	1.8500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.6000e-003	3.6000e-003	1.0000e-005	0.0000	3.8400e-003
Unmitigated	0.3040	2.0000e-005	1.8500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.6000e-003	3.6000e-003	1.0000e-005	0.0000	3.8400e-003

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6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0695					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2343					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.7000e-004	2.0000e-005	1.8500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.6000e-003	3.6000e-003	1.0000e-005	0.0000	3.8400e-003
Total	0.3040	2.0000e-005	1.8500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.6000e-003	3.6000e-003	1.0000e-005	0.0000	3.8400e-003

Dana Reserve Hotel - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0139					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2343					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.7000e-004	2.0000e-005	1.8500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.6000e-003	3.6000e-003	1.0000e-005	0.0000	3.8400e-003
Total	0.2484	2.0000e-005	1.8500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.6000e-003	3.6000e-003	1.0000e-005	0.0000	3.8400e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Use Water Efficient Irrigation System

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	1.6992	0.0769	1.8300e-003	4.1671
Unmitigated	2.0048	0.0911	2.1700e-003	4.9288

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	2.79034 / 0.310038	2.0048	0.0911	2.1700e-003	4.9288
Total		2.0048	0.0911	2.1700e-003	4.9288

Dana Reserve Hotel - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	2.35505 / 0.291126	1.6992	0.0769	1.8300e-003	4.1671
Total		1.6992	0.0769	1.8300e-003	4.1671

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	6.1131	0.3613	0.0000	15.1449
Unmitigated	12.2262	0.7225	0.0000	30.2898

Dana Reserve Hotel - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	60.23	12.2262	0.7225	0.0000	30.2898
Total		12.2262	0.7225	0.0000	30.2898

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	30.115	6.1131	0.3613	0.0000	15.1449
Total		6.1131	0.3613	0.0000	15.1449

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Dana Reserve Hotel - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Dana Reserve Hotel 2030 - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Dana Reserve Hotel 2030
San Luis Obispo County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hotel	110.00	Room	3.67	60,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MW hr)	127.09	CH4 Intensity (lb/MW hr)	0.021	N2O Intensity (lb/MW hr)	0.002

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Utility intensity factor is based on renewable portfolio standards for PG&E in year 2030

Land Use - As per traffic report the hotel is 110 rooms and as per buildout schedule the hotel will be 60,000sqft.

Construction Phase - Demo, site prep, and grading will be completed at start of residential and so are not accounted for in this model run.

Off-road Equipment - Default

Off-road Equipment - Default

Off-road Equipment - Default

Vehicle Trips - Weekday and sunday trip generation is based on traffic report. Trip type is based on traffic report.

Construction Off-road Equipment Mitigation - Tier 3 engines, soil stabilizers, water exposed areas 3 times per day, and a speed limit of 15mph on unpaved roads.

Mobile Land Use Mitigation -

Area Mitigation - Use low VOC paints (50g/L)

Energy Mitigation -

Dana Reserve Hotel 2030 - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblLandUse	LandUseSquareFeet	159,720.00	60,000.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0.021
tblProjectCharacteristics	CO2IntensityFactor	203.98	127.09
tblProjectCharacteristics	N2OIntensityFactor	0.004	0.002
tblVehicleTrips	DV_TP	38.00	6.00
tblVehicleTrips	PR_TP	58.00	90.00
tblVehicleTrips	SU_TR	5.95	5.96

2.0 Emissions Summary

Dana Reserve Hotel 2030 - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	77.4342	12.8839	16.7622	0.0303	0.2936	0.5308	0.8244	0.0789	0.4993	0.5782	0.0000	2,899.1270	2,899.1270	0.6087	0.0266	2,922.2684
2027	77.4335	1.1524	1.9137	3.3400e-003	0.0494	0.0517	0.1011	0.0131	0.0517	0.0648	0.0000	318.6671	318.6671	0.0161	8.5000e-004	319.3217
Maximum	77.4342	12.8839	16.7622	0.0303	0.2936	0.5308	0.8244	0.0789	0.4993	0.5782	0.0000	2,899.1270	2,899.1270	0.6087	0.0266	2,922.2684

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	77.3227	14.6402	18.5514	0.0303	0.2936	0.9068	1.2004	0.0789	0.9066	0.9855	0.0000	2,899.1270	2,899.1270	0.6087	0.0266	2,922.2684
2027	77.3221	1.3639	1.9370	3.3400e-003	0.0494	0.0953	0.1447	0.0131	0.0953	0.1084	0.0000	318.6671	318.6671	0.0161	8.5000e-004	319.3217
Maximum	77.3227	14.6402	18.5514	0.0303	0.2936	0.9068	1.2004	0.0789	0.9066	0.9855	0.0000	2,899.1270	2,899.1270	0.6087	0.0266	2,922.2684

Dana Reserve Hotel 2030 - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.6660	1.0000e-004	0.0112	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0241	0.0241	6.0000e-005		0.0256
Energy	0.0778	0.7077	0.5944	4.2500e-003		0.0538	0.0538		0.0538	0.0538		849.1861	849.1861	0.0163	0.0156	854.2324
Mobile	2.0925	2.1241	16.3861	0.0344	4.2285	0.0275	4.2560	1.1266	0.0258	1.1524		3,495.1169	3,495.1169	0.2185	0.1685	3,550.7813
Total	3.8364	2.8318	16.9917	0.0386	4.2285	0.0813	4.3099	1.1266	0.0796	1.2062		4,344.3271	4,344.3271	0.2349	0.1840	4,405.0393

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.3612	1.0000e-004	0.0112	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0241	0.0241	6.0000e-005		0.0256
Energy	0.0778	0.7077	0.5944	4.2500e-003		0.0538	0.0538		0.0538	0.0538		849.1861	849.1861	0.0163	0.0156	854.2324
Mobile	2.0402	2.0246	15.6373	0.0324	3.9769	0.0260	4.0030	1.0596	0.0244	1.0840		3,293.7707	3,293.7707	0.2103	0.1610	3,347.0122
Total	3.4793	2.7324	16.2429	0.0366	3.9769	0.0799	4.0568	1.0596	0.0782	1.1378		4,142.9809	4,142.9809	0.2267	0.1766	4,201.2703

Dana Reserve Hotel 2030 - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	9.31	3.51	4.41	5.13	5.95	1.81	5.87	5.95	1.73	5.67	0.00	4.63	4.63	3.50	4.04	4.63

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2026	11/18/2026	5	230	
2	Paving	Paving	11/19/2026	12/14/2026	5	18	
3	Architectural Coating	Architectural Coating	12/15/2026	1/7/2027	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 90,000; Non-Residential Outdoor: 30,000; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36

Dana Reserve Hotel 2030 - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	25.00	10.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

- Use Cleaner Engines for Construction Equipment
- Use Soil Stabilizer
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads

3.2 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Dana Reserve Hotel 2030 - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Construction - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0108	0.3763	0.1241	1.4100e-003	0.0465	2.1800e-003	0.0487	0.0134	2.0900e-003	0.0155		150.9989	150.9989	3.6900e-003	0.0221	157.6846
Worker	0.0665	0.0378	0.5535	1.9000e-003	0.2472	1.0200e-003	0.2482	0.0656	9.4000e-004	0.0665		191.6537	191.6537	4.0800e-003	4.4600e-003	193.0858
Total	0.0773	0.4142	0.6776	3.3100e-003	0.2936	3.2000e-003	0.2968	0.0789	3.0300e-003	0.0820		342.6527	342.6527	7.7700e-003	0.0266	350.7703

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Dana Reserve Hotel 2030 - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Construction - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0108	0.3763	0.1241	1.4100e-003	0.0465	2.1800e-003	0.0487	0.0134	2.0900e-003	0.0155		150.9989	150.9989	3.6900e-003	0.0221	157.6846
Worker	0.0665	0.0378	0.5535	1.9000e-003	0.2472	1.0200e-003	0.2482	0.0656	9.4000e-004	0.0665		191.6537	191.6537	4.0800e-003	4.4600e-003	193.0858
Total	0.0773	0.4142	0.6776	3.3100e-003	0.2936	3.2000e-003	0.2968	0.0789	3.0300e-003	0.0820		342.6527	342.6527	7.7700e-003	0.0266	350.7703

3.3 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741

Dana Reserve Hotel 2030 - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Paving - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0532	0.0303	0.4428	1.5200e-003	0.1977	8.1000e-004	0.1985	0.0524	7.5000e-004	0.0532		153.3230	153.3230	3.2700e-003	3.5700e-003	154.4686
Total	0.0532	0.0303	0.4428	1.5200e-003	0.1977	8.1000e-004	0.1985	0.0524	7.5000e-004	0.0532		153.3230	153.3230	3.2700e-003	3.5700e-003	154.4686

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4389	9.0888	13.5323	0.0189		0.5246	0.5246		0.5246	0.5246	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4389	9.0888	13.5323	0.0189		0.5246	0.5246		0.5246	0.5246	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741

Dana Reserve Hotel 2030 - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Paving - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0532	0.0303	0.4428	1.5200e-003	0.1977	8.1000e-004	0.1985	0.0524	7.5000e-004	0.0532		153.3230	153.3230	3.2700e-003	3.5700e-003	154.4686
Total	0.0532	0.0303	0.4428	1.5200e-003	0.1977	8.1000e-004	0.1985	0.0524	7.5000e-004	0.0532		153.3230	153.3230	3.2700e-003	3.5700e-003	154.4686

3.4 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	77.2500					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	77.4209	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Dana Reserve Hotel 2030 - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0133	7.5700e-003	0.1107	3.8000e-004	0.0494	2.0000e-004	0.0496	0.0131	1.9000e-004	0.0133		38.3307	38.3307	8.2000e-004	8.9000e-004	38.6172
Total	0.0133	7.5700e-003	0.1107	3.8000e-004	0.0494	2.0000e-004	0.0496	0.0131	1.9000e-004	0.0133		38.3307	38.3307	8.2000e-004	8.9000e-004	38.6172

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	77.2500					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	77.3094	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Dana Reserve Hotel 2030 - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0133	7.5700e-003	0.1107	3.8000e-004	0.0494	2.0000e-004	0.0496	0.0131	1.9000e-004	0.0133		38.3307	38.3307	8.2000e-004	8.9000e-004	38.6172
Total	0.0133	7.5700e-003	0.1107	3.8000e-004	0.0494	2.0000e-004	0.0496	0.0131	1.9000e-004	0.0133		38.3307	38.3307	8.2000e-004	8.9000e-004	38.6172

3.4 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	77.2500					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	77.4209	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Dana Reserve Hotel 2030 - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0126	6.9000e-003	0.1046	3.7000e-004	0.0494	1.9000e-004	0.0496	0.0131	1.8000e-004	0.0133		37.2191	37.2191	7.5000e-004	8.5000e-004	37.4898
Total	0.0126	6.9000e-003	0.1046	3.7000e-004	0.0494	1.9000e-004	0.0496	0.0131	1.8000e-004	0.0133		37.2191	37.2191	7.5000e-004	8.5000e-004	37.4898

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	77.2500					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	77.3094	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Dana Reserve Hotel 2030 - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0126	6.9000e-003	0.1046	3.7000e-004	0.0494	1.9000e-004	0.0496	0.0131	1.8000e-004	0.0133		37.2191	37.2191	7.5000e-004	8.5000e-004	37.4898
Total	0.0126	6.9000e-003	0.1046	3.7000e-004	0.0494	1.9000e-004	0.0496	0.0131	1.8000e-004	0.0133		37.2191	37.2191	7.5000e-004	8.5000e-004	37.4898

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

- Increase Diversity
- Improve Walkability Design
- Improve Destination Accessibility
- Increase Transit Accessibility
- Improve Pedestrian Network

Dana Reserve Hotel 2030 - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.0402	2.0246	15.6373	0.0324	3.9769	0.0260	4.0030	1.0596	0.0244	1.0840		3,293.7707	3,293.7707	0.2103	0.1610	3,347.0122
Unmitigated	2.0925	2.1241	16.3861	0.0344	4.2285	0.0275	4.2560	1.1266	0.0258	1.1524		3,495.1169	3,495.1169	0.2185	0.1685	3,550.7813

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	919.60	900.90	655.60	1,919,910	1,805,675
Total	919.60	900.90	655.60	1,919,910	1,805,675

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Hotel	13.00	5.00	5.00	19.40	61.60	19.00	90	6	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hotel	0.516135	0.058853	0.199929	0.136792	0.029532	0.007795	0.008341	0.005917	0.000885	0.000346	0.029869	0.000792	0.004814

5.0 Energy Detail

Historical Energy Use: N

Dana Reserve Hotel 2030 - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0778	0.7077	0.5944	4.2500e-003		0.0538	0.0538		0.0538	0.0538		849.1861	849.1861	0.0163	0.0156	854.2324
NaturalGas Unmitigated	0.0778	0.7077	0.5944	4.2500e-003		0.0538	0.0538		0.0538	0.0538		849.1861	849.1861	0.0163	0.0156	854.2324

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hotel	7218.08	0.0778	0.7077	0.5944	4.2500e-003		0.0538	0.0538		0.0538	0.0538		849.1861	849.1861	0.0163	0.0156	854.2324
Total		0.0778	0.7077	0.5944	4.2500e-003		0.0538	0.0538		0.0538	0.0538		849.1861	849.1861	0.0163	0.0156	854.2324

Dana Reserve Hotel 2030 - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hotel	7.21808	0.0778	0.7077	0.5944	4.2500e-003		0.0538	0.0538		0.0538	0.0538		849.1861	849.1861	0.0163	0.0156	854.2324
Total		0.0778	0.7077	0.5944	4.2500e-003		0.0538	0.0538		0.0538	0.0538		849.1861	849.1861	0.0163	0.0156	854.2324

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior

Dana Reserve Hotel 2030 - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.3612	1.0000e-004	0.0112	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0241	0.0241	6.0000e-005		0.0256
Unmitigated	1.6660	1.0000e-004	0.0112	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0241	0.0241	6.0000e-005		0.0256

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3810					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2840					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0200e-003	1.0000e-004	0.0112	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0241	0.0241	6.0000e-005		0.0256
Total	1.6660	1.0000e-004	0.0112	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0241	0.0241	6.0000e-005		0.0256

Dana Reserve Hotel 2030 - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0762					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2840					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0200e-003	1.0000e-004	0.0112	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0241	0.0241	6.0000e-005		0.0256
Total	1.3612	1.0000e-004	0.0112	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0241	0.0241	6.0000e-005		0.0256

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Use Water Efficient Irrigation System

Dana Reserve Hotel 2030 - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Dana Reserve Hotel - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Dana Reserve Hotel
San Luis Obispo County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hotel	110.00	Room	3.67	60,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2027
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MW hr)	152.51	CH4 Intensity (lb/MW hr)	0.025	N2O Intensity (lb/MW hr)	0.003

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Utility intensity factor is based on renewable portfolio standards for PG&E in year 2027.

Land Use - As per traffic report the hotel is 110 rooms and as per buildout schedule the hotel will be 60,000sqft.

Construction Phase - Demo, site prep, and grading will be completed at start of residential and so are not accounted for in this model run.

Off-road Equipment - Default

Off-road Equipment - Default

Off-road Equipment - Default

Vehicle Trips - Weekday and sunday trip generation is based on traffic report. Trip type is based on traffic report.

Construction Off-road Equipment Mitigation - Tier 3 engines, soil stabilizers, water exposed areas 3 times per day, and a speed limit of 15mph on unpaved roads.

Area Mitigation - Use low VOC paints (50g/L)

Energy Mitigation -

Water Mitigation -

Dana Reserve Hotel - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 3
tblLandUse	LandUseSquareFeet	159,720.00	60,000.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0.025
tblProjectCharacteristics	CO2IntensityFactor	203.98	152.51
tblProjectCharacteristics	N2OIntensityFactor	0.004	0.003
tblVehicleTrips	DV_TP	38.00	6.00
tblVehicleTrips	PR_TP	58.00	90.00
tblVehicleTrips	SU_TR	5.95	5.96

2.0 Emissions Summary

Dana Reserve Hotel - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	77.4342	12.8839	16.7622	0.0303	0.2936	0.5308	0.8244	0.0789	0.4993	0.5782	0.0000	2,899.1270	2,899.1270	0.6087	0.0266	2,922.2684
2027	77.4335	1.1524	1.9137	3.3400e-003	0.0494	0.0517	0.1011	0.0131	0.0517	0.0648	0.0000	318.6671	318.6671	0.0161	8.5000e-004	319.3217
Maximum	77.4342	12.8839	16.7622	0.0303	0.2936	0.5308	0.8244	0.0789	0.4993	0.5782	0.0000	2,899.1270	2,899.1270	0.6087	0.0266	2,922.2684

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	77.3227	14.6402	18.5514	0.0303	0.2936	0.9068	1.2004	0.0789	0.9066	0.9855	0.0000	2,899.1270	2,899.1270	0.6087	0.0266	2,922.2684
2027	77.3221	1.3639	1.9370	3.3400e-003	0.0494	0.0953	0.1447	0.0131	0.0953	0.1084	0.0000	318.6671	318.6671	0.0161	8.5000e-004	319.3217
Maximum	77.3227	14.6402	18.5514	0.0303	0.2936	0.9068	1.2004	0.0789	0.9066	0.9855	0.0000	2,899.1270	2,899.1270	0.6087	0.0266	2,922.2684

Dana Reserve Hotel - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.14	-14.02	-9.70	0.00	0.00	-72.03	-45.33	0.00	-81.83	-70.12	0.00	0.00	0.00	0.00	0.00	0.00

Dana Reserve Hotel - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.6660	1.0000e-004	0.0112	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0241	0.0241	6.0000e-005		0.0256
Energy	0.0778	0.7077	0.5944	4.2500e-003		0.0538	0.0538		0.0538	0.0538		849.1861	849.1861	0.0163	0.0156	854.2324
Mobile	2.3759	2.6045	18.3433	0.0375	4.2326	0.0336	4.2663	1.1283	0.0316	1.1599		3,812.3294	3,812.3294	0.2482	0.1891	3,874.8710
Total	4.1197	3.3123	18.9489	0.0417	4.2326	0.0875	4.3201	1.1283	0.0854	1.2137		4,661.5396	4,661.5396	0.2645	0.2046	4,729.1291

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.3612	1.0000e-004	0.0112	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0241	0.0241	6.0000e-005		0.0256
Energy	0.0778	0.7077	0.5944	4.2500e-003		0.0538	0.0538		0.0538	0.0538		849.1861	849.1861	0.0163	0.0156	854.2324
Mobile	2.3759	2.6045	18.3433	0.0375	4.2326	0.0336	4.2663	1.1283	0.0316	1.1599		3,812.3294	3,812.3294	0.2482	0.1891	3,874.8710
Total	3.8149	3.3123	18.9489	0.0417	4.2326	0.0875	4.3201	1.1283	0.0854	1.2137		4,661.5396	4,661.5396	0.2645	0.2046	4,729.1291

Dana Reserve Hotel - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2026	11/18/2026	5	230	
2	Paving	Paving	11/19/2026	12/14/2026	5	18	
3	Architectural Coating	Architectural Coating	12/15/2026	1/7/2027	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 90,000; Non-Residential Outdoor: 30,000; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36

Dana Reserve Hotel - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	25.00	10.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

- Use Cleaner Engines for Construction Equipment
- Use Soil Stabilizer
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads

3.2 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Dana Reserve Hotel - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Construction - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0108	0.3763	0.1241	1.4100e-003	0.0465	2.1800e-003	0.0487	0.0134	2.0900e-003	0.0155		150.9989	150.9989	3.6900e-003	0.0221	157.6846
Worker	0.0665	0.0378	0.5535	1.9000e-003	0.2472	1.0200e-003	0.2482	0.0656	9.4000e-004	0.0665		191.6537	191.6537	4.0800e-003	4.4600e-003	193.0858
Total	0.0773	0.4142	0.6776	3.3100e-003	0.2936	3.2000e-003	0.2968	0.0789	3.0300e-003	0.0820		342.6527	342.6527	7.7700e-003	0.0266	350.7703

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Dana Reserve Hotel - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Construction - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0108	0.3763	0.1241	1.4100e-003	0.0465	2.1800e-003	0.0487	0.0134	2.0900e-003	0.0155		150.9989	150.9989	3.6900e-003	0.0221	157.6846
Worker	0.0665	0.0378	0.5535	1.9000e-003	0.2472	1.0200e-003	0.2482	0.0656	9.4000e-004	0.0665		191.6537	191.6537	4.0800e-003	4.4600e-003	193.0858
Total	0.0773	0.4142	0.6776	3.3100e-003	0.2936	3.2000e-003	0.2968	0.0789	3.0300e-003	0.0820		342.6527	342.6527	7.7700e-003	0.0266	350.7703

3.3 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741

Dana Reserve Hotel - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Paving - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0532	0.0303	0.4428	1.5200e-003	0.1977	8.1000e-004	0.1985	0.0524	7.5000e-004	0.0532		153.3230	153.3230	3.2700e-003	3.5700e-003	154.4686
Total	0.0532	0.0303	0.4428	1.5200e-003	0.1977	8.1000e-004	0.1985	0.0524	7.5000e-004	0.0532		153.3230	153.3230	3.2700e-003	3.5700e-003	154.4686

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4389	9.0888	13.5323	0.0189		0.5246	0.5246		0.5246	0.5246	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4389	9.0888	13.5323	0.0189		0.5246	0.5246		0.5246	0.5246	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741

Dana Reserve Hotel - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Paving - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0532	0.0303	0.4428	1.5200e-003	0.1977	8.1000e-004	0.1985	0.0524	7.5000e-004	0.0532		153.3230	153.3230	3.2700e-003	3.5700e-003	154.4686
Total	0.0532	0.0303	0.4428	1.5200e-003	0.1977	8.1000e-004	0.1985	0.0524	7.5000e-004	0.0532		153.3230	153.3230	3.2700e-003	3.5700e-003	154.4686

3.4 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	77.2500					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	77.4209	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Dana Reserve Hotel - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0133	7.5700e-003	0.1107	3.8000e-004	0.0494	2.0000e-004	0.0496	0.0131	1.9000e-004	0.0133		38.3307	38.3307	8.2000e-004	8.9000e-004	38.6172
Total	0.0133	7.5700e-003	0.1107	3.8000e-004	0.0494	2.0000e-004	0.0496	0.0131	1.9000e-004	0.0133		38.3307	38.3307	8.2000e-004	8.9000e-004	38.6172

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	77.2500					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	77.3094	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Dana Reserve Hotel - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0133	7.5700e-003	0.1107	3.8000e-004	0.0494	2.0000e-004	0.0496	0.0131	1.9000e-004	0.0133		38.3307	38.3307	8.2000e-004	8.9000e-004	38.6172
Total	0.0133	7.5700e-003	0.1107	3.8000e-004	0.0494	2.0000e-004	0.0496	0.0131	1.9000e-004	0.0133		38.3307	38.3307	8.2000e-004	8.9000e-004	38.6172

3.4 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	77.2500					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	77.4209	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Dana Reserve Hotel - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0126	6.9000e-003	0.1046	3.7000e-004	0.0494	1.9000e-004	0.0496	0.0131	1.8000e-004	0.0133		37.2191	37.2191	7.5000e-004	8.5000e-004	37.4898
Total	0.0126	6.9000e-003	0.1046	3.7000e-004	0.0494	1.9000e-004	0.0496	0.0131	1.8000e-004	0.0133		37.2191	37.2191	7.5000e-004	8.5000e-004	37.4898

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	77.2500					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	77.3094	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Dana Reserve Hotel - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0126	6.9000e-003	0.1046	3.7000e-004	0.0494	1.9000e-004	0.0496	0.0131	1.8000e-004	0.0133		37.2191	37.2191	7.5000e-004	8.5000e-004	37.4898
Total	0.0126	6.9000e-003	0.1046	3.7000e-004	0.0494	1.9000e-004	0.0496	0.0131	1.8000e-004	0.0133		37.2191	37.2191	7.5000e-004	8.5000e-004	37.4898

Dana Reserve Hotel - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.3759	2.6045	18.3433	0.0375	4.2326	0.0336	4.2663	1.1283	0.0316	1.1599		3,812.3294	3,812.3294	0.2482	0.1891	3,874.8710
Unmitigated	2.3759	2.6045	18.3433	0.0375	4.2326	0.0336	4.2663	1.1283	0.0316	1.1599		3,812.3294	3,812.3294	0.2482	0.1891	3,874.8710

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	919.60	900.90	655.60	1,919,910	1,919,910
Total	919.60	900.90	655.60	1,919,910	1,919,910

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Hotel	13.00	5.00	5.00	19.40	61.60	19.00	90	6	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hotel	0.502926	0.057913	0.201381	0.142041	0.033535	0.008550	0.008361	0.005979	0.000919	0.000356	0.031380	0.000886	0.005774

Dana Reserve Hotel - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0778	0.7077	0.5944	4.2500e-003		0.0538	0.0538		0.0538	0.0538		849.1861	849.1861	0.0163	0.0156	854.2324
NaturalGas Unmitigated	0.0778	0.7077	0.5944	4.2500e-003		0.0538	0.0538		0.0538	0.0538		849.1861	849.1861	0.0163	0.0156	854.2324

Dana Reserve Hotel - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hotel	7218.08	0.0778	0.7077	0.5944	4.2500e-003		0.0538	0.0538		0.0538	0.0538		849.1861	849.1861	0.0163	0.0156	854.2324
Total		0.0778	0.7077	0.5944	4.2500e-003		0.0538	0.0538		0.0538	0.0538		849.1861	849.1861	0.0163	0.0156	854.2324

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hotel	7.21808	0.0778	0.7077	0.5944	4.2500e-003		0.0538	0.0538		0.0538	0.0538		849.1861	849.1861	0.0163	0.0156	854.2324
Total		0.0778	0.7077	0.5944	4.2500e-003		0.0538	0.0538		0.0538	0.0538		849.1861	849.1861	0.0163	0.0156	854.2324

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Dana Reserve Hotel - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.3612	1.0000e-004	0.0112	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0241	0.0241	6.0000e-005		0.0256
Unmitigated	1.6660	1.0000e-004	0.0112	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0241	0.0241	6.0000e-005		0.0256

Dana Reserve Hotel - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3810					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2840					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0300e-003	1.0000e-004	0.0112	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0241	0.0241	6.0000e-005		0.0256
Total	1.6660	1.0000e-004	0.0112	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0241	0.0241	6.0000e-005		0.0256

Dana Reserve Hotel - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0762					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2840					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0300e-003	1.0000e-004	0.0112	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0241	0.0241	6.0000e-005		0.0256
Total	1.3612	1.0000e-004	0.0112	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0241	0.0241	6.0000e-005		0.0256

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Use Water Efficient Irrigation System

Dana Reserve Hotel - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Dana Reserve Hotel 2030 - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Dana Reserve Hotel 2030
San Luis Obispo County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hotel	110.00	Room	3.67	60,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MW hr)	127.09	CH4 Intensity (lb/MW hr)	0.021	N2O Intensity (lb/MW hr)	0.002

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Utility intensity factor is based on renewable portfolio standards for PG&E in year 2030

Land Use - As per traffic report the hotel is 110 rooms and as per buildout schedule the hotel will be 60,000sqft.

Construction Phase - Demo, site prep, and grading will be completed at start of residential and so are not accounted for in this model run.

Off-road Equipment - Default

Off-road Equipment - Default

Off-road Equipment - Default

Vehicle Trips - Weekday and sunday trip generation is based on traffic report. Trip type is based on traffic report.

Construction Off-road Equipment Mitigation - Tier 3 engines, soil stabilizers, water exposed areas 3 times per day, and a speed limit of 15mph on unpaved roads.

Mobile Land Use Mitigation -

Area Mitigation - Use low VOC paints (50g/L)

Energy Mitigation -

Dana Reserve Hotel 2030 - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblLandUse	LandUseSquareFeet	159,720.00	60,000.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0.021
tblProjectCharacteristics	CO2IntensityFactor	203.98	127.09
tblProjectCharacteristics	N2OIntensityFactor	0.004	0.002
tblVehicleTrips	DV_TP	38.00	6.00
tblVehicleTrips	PR_TP	58.00	90.00
tblVehicleTrips	SU_TR	5.95	5.96

2.0 Emissions Summary

Dana Reserve Hotel 2030 - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	77.4357	12.9021	16.7567	0.0302	0.2936	0.5308	0.8244	0.0789	0.4993	0.5782	0.0000	2,891.438 3	2,891.438 3	0.6091	0.0270	2,914.722 6
2027	77.4350	1.1533	1.9119	3.3200e-003	0.0494	0.0517	0.1011	0.0131	0.0517	0.0648	0.0000	317.1201	317.1201	0.0162	9.2000e-004	317.7984
Maximum	77.4357	12.9021	16.7567	0.0302	0.2936	0.5308	0.8244	0.0789	0.4993	0.5782	0.0000	2,891.438 3	2,891.438 3	0.6091	0.0270	2,914.722 6

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	77.3242	14.6585	18.5458	0.0302	0.2936	0.9068	1.2004	0.0789	0.9066	0.9855	0.0000	2,891.438 3	2,891.438 3	0.6091	0.0270	2,914.722 6
2027	77.3235	1.3648	1.9352	3.3200e-003	0.0494	0.0953	0.1447	0.0131	0.0953	0.1084	0.0000	317.1201	317.1201	0.0162	9.2000e-004	317.7984
Maximum	77.3242	14.6585	18.5458	0.0302	0.2936	0.9068	1.2004	0.0789	0.9066	0.9855	0.0000	2,891.438 3	2,891.438 3	0.6091	0.0270	2,914.722 6

Dana Reserve Hotel 2030 - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.14	-14.00	-9.71	0.00	0.00	-72.03	-45.33	0.00	-81.83	-70.12	0.00	0.00	0.00	0.00	0.00	0.00

Dana Reserve Hotel 2030 - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.6660	1.0000e-004	0.0112	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0241	0.0241	6.0000e-005		0.0256
Energy	0.0778	0.7077	0.5944	4.2500e-003		0.0538	0.0538		0.0538	0.0538		849.1861	849.1861	0.0163	0.0156	854.2324
Mobile	2.0160	2.2874	17.5711	0.0333	4.2285	0.0275	4.2560	1.1266	0.0258	1.1524		3,389.0654	3,389.0654	0.2376	0.1780	3,448.0422
Total	3.7599	2.9952	18.1767	0.0376	4.2285	0.0813	4.3099	1.1266	0.0796	1.2062		4,238.2757	4,238.2757	0.2540	0.1935	4,302.3003

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.3612	1.0000e-004	0.0112	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0241	0.0241	6.0000e-005		0.0256
Energy	0.0778	0.7077	0.5944	4.2500e-003		0.0538	0.0538		0.0538	0.0538		849.1861	849.1861	0.0163	0.0156	854.2324
Mobile	1.9615	2.1815	16.8149	0.0314	3.9769	0.0261	4.0030	1.0596	0.0244	1.0840		3,194.1652	3,194.1652	0.2292	0.1702	3,250.6234
Total	3.4005	2.8892	17.4205	0.0357	3.9769	0.0799	4.0568	1.0596	0.0783	1.1378		4,043.3754	4,043.3754	0.2456	0.1858	4,104.8815

Dana Reserve Hotel 2030 - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	9.56	3.54	4.16	5.11	5.95	1.81	5.87	5.95	1.73	5.67	0.00	4.60	4.60	3.31	4.00	4.59

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2026	11/18/2026	5	230	
2	Paving	Paving	11/19/2026	12/14/2026	5	18	
3	Architectural Coating	Architectural Coating	12/15/2026	1/7/2027	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 90,000; Non-Residential Outdoor: 30,000; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36

Dana Reserve Hotel 2030 - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	25.00	10.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

- Use Cleaner Engines for Construction Equipment
- Use Soil Stabilizer
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads

3.2 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Dana Reserve Hotel 2030 - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Construction - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0105	0.3895	0.1290	1.4100e-003	0.0465	2.2000e-003	0.0487	0.0134	2.1000e-003	0.0155		151.2854	151.2854	3.6700e-003	0.0222	157.9885
Worker	0.0740	0.0430	0.5431	1.8200e-003	0.2472	1.0200e-003	0.2482	0.0656	9.4000e-004	0.0665		183.6785	183.6785	4.4300e-003	4.8500e-003	185.2360
Total	0.0845	0.4324	0.6720	3.2300e-003	0.2936	3.2200e-003	0.2968	0.0789	3.0400e-003	0.0820		334.9640	334.9640	8.1000e-003	0.0270	343.2245

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Dana Reserve Hotel 2030 - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Construction - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0105	0.3895	0.1290	1.4100e-003	0.0465	2.2000e-003	0.0487	0.0134	2.1000e-003	0.0155		151.2854	151.2854	3.6700e-003	0.0222	157.9885
Worker	0.0740	0.0430	0.5431	1.8200e-003	0.2472	1.0200e-003	0.2482	0.0656	9.4000e-004	0.0665		183.6785	183.6785	4.4300e-003	4.8500e-003	185.2360
Total	0.0845	0.4324	0.6720	3.2300e-003	0.2936	3.2200e-003	0.2968	0.0789	3.0400e-003	0.0820		334.9640	334.9640	8.1000e-003	0.0270	343.2245

3.3 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741

Dana Reserve Hotel 2030 - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Paving - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0592	0.0344	0.4345	1.4500e-003	0.1977	8.1000e-004	0.1985	0.0524	7.5000e-004	0.0532		146.9428	146.9428	3.5400e-003	3.8800e-003	148.1888
Total	0.0592	0.0344	0.4345	1.4500e-003	0.1977	8.1000e-004	0.1985	0.0524	7.5000e-004	0.0532		146.9428	146.9428	3.5400e-003	3.8800e-003	148.1888

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4389	9.0888	13.5323	0.0189		0.5246	0.5246		0.5246	0.5246	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4389	9.0888	13.5323	0.0189		0.5246	0.5246		0.5246	0.5246	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741

Dana Reserve Hotel 2030 - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Paving - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0592	0.0344	0.4345	1.4500e-003	0.1977	8.1000e-004	0.1985	0.0524	7.5000e-004	0.0532		146.9428	146.9428	3.5400e-003	3.8800e-003	148.1888
Total	0.0592	0.0344	0.4345	1.4500e-003	0.1977	8.1000e-004	0.1985	0.0524	7.5000e-004	0.0532		146.9428	146.9428	3.5400e-003	3.8800e-003	148.1888

3.4 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	77.2500					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	77.4209	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Dana Reserve Hotel 2030 - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0148	8.5900e-003	0.1086	3.6000e-004	0.0494	2.0000e-004	0.0496	0.0131	1.9000e-004	0.0133		36.7357	36.7357	8.9000e-004	9.7000e-004	37.0472
Total	0.0148	8.5900e-003	0.1086	3.6000e-004	0.0494	2.0000e-004	0.0496	0.0131	1.9000e-004	0.0133		36.7357	36.7357	8.9000e-004	9.7000e-004	37.0472

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	77.2500					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	77.3094	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Dana Reserve Hotel 2030 - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0148	8.5900e-003	0.1086	3.6000e-004	0.0494	2.0000e-004	0.0496	0.0131	1.9000e-004	0.0133		36.7357	36.7357	8.9000e-004	9.7000e-004	37.0472
Total	0.0148	8.5900e-003	0.1086	3.6000e-004	0.0494	2.0000e-004	0.0496	0.0131	1.9000e-004	0.0133		36.7357	36.7357	8.9000e-004	9.7000e-004	37.0472

3.4 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	77.2500					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	77.4209	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Dana Reserve Hotel 2030 - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0141	7.8400e-003	0.1027	3.5000e-004	0.0494	1.9000e-004	0.0496	0.0131	1.8000e-004	0.0133		35.6721	35.6721	8.1000e-004	9.2000e-004	35.9665
Total	0.0141	7.8400e-003	0.1027	3.5000e-004	0.0494	1.9000e-004	0.0496	0.0131	1.8000e-004	0.0133		35.6721	35.6721	8.1000e-004	9.2000e-004	35.9665

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	77.2500					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	77.3094	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Dana Reserve Hotel 2030 - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0141	7.8400e-003	0.1027	3.5000e-004	0.0494	1.9000e-004	0.0496	0.0131	1.8000e-004	0.0133		35.6721	35.6721	8.1000e-004	9.2000e-004	35.9665
Total	0.0141	7.8400e-003	0.1027	3.5000e-004	0.0494	1.9000e-004	0.0496	0.0131	1.8000e-004	0.0133		35.6721	35.6721	8.1000e-004	9.2000e-004	35.9665

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

- Increase Diversity
- Improve Walkability Design
- Improve Destination Accessibility
- Increase Transit Accessibility
- Improve Pedestrian Network

Dana Reserve Hotel 2030 - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.9615	2.1815	16.8149	0.0314	3.9769	0.0261	4.0030	1.0596	0.0244	1.0840		3,194.1652	3,194.1652	0.2292	0.1702	3,250.6234
Unmitigated	2.0160	2.2874	17.5711	0.0333	4.2285	0.0275	4.2560	1.1266	0.0258	1.1524		3,389.0654	3,389.0654	0.2376	0.1780	3,448.0422

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	919.60	900.90	655.60	1,919,910	1,805,675
Total	919.60	900.90	655.60	1,919,910	1,805,675

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Hotel	13.00	5.00	5.00	19.40	61.60	19.00	90	6	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hotel	0.516135	0.058853	0.199929	0.136792	0.029532	0.007795	0.008341	0.005917	0.000885	0.000346	0.029869	0.000792	0.004814

5.0 Energy Detail

Historical Energy Use: N

Dana Reserve Hotel 2030 - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0778	0.7077	0.5944	4.2500e-003		0.0538	0.0538		0.0538	0.0538		849.1861	849.1861	0.0163	0.0156	854.2324
NaturalGas Unmitigated	0.0778	0.7077	0.5944	4.2500e-003		0.0538	0.0538		0.0538	0.0538		849.1861	849.1861	0.0163	0.0156	854.2324

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hotel	7218.08	0.0778	0.7077	0.5944	4.2500e-003		0.0538	0.0538		0.0538	0.0538		849.1861	849.1861	0.0163	0.0156	854.2324
Total		0.0778	0.7077	0.5944	4.2500e-003		0.0538	0.0538		0.0538	0.0538		849.1861	849.1861	0.0163	0.0156	854.2324

Dana Reserve Hotel 2030 - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hotel	7.21808	0.0778	0.7077	0.5944	4.2500e-003		0.0538	0.0538		0.0538	0.0538		849.1861	849.1861	0.0163	0.0156	854.2324
Total		0.0778	0.7077	0.5944	4.2500e-003		0.0538	0.0538		0.0538	0.0538		849.1861	849.1861	0.0163	0.0156	854.2324

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior

Dana Reserve Hotel 2030 - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.3612	1.0000e-004	0.0112	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0241	0.0241	6.0000e-005		0.0256
Unmitigated	1.6660	1.0000e-004	0.0112	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0241	0.0241	6.0000e-005		0.0256

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3810					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2840					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0200e-003	1.0000e-004	0.0112	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0241	0.0241	6.0000e-005		0.0256
Total	1.6660	1.0000e-004	0.0112	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0241	0.0241	6.0000e-005		0.0256

Dana Reserve Hotel 2030 - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0762					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2840					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0200e-003	1.0000e-004	0.0112	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0241	0.0241	6.0000e-005		0.0256
Total	1.3612	1.0000e-004	0.0112	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0241	0.0241	6.0000e-005		0.0256

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Use Water Efficient Irrigation System

Dana Reserve Hotel 2030 - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Dana Reserve Hotel - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Dana Reserve Hotel
San Luis Obispo County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hotel	110.00	Room	3.67	60,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2027
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MW hr)	152.51	CH4 Intensity (lb/MW hr)	0.025	N2O Intensity (lb/MW hr)	0.003

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Utility intensity factor is based on renewable portfolio standards for PG&E in year 2027.

Land Use - As per traffic report the hotel is 110 rooms and as per buildout schedule the hotel will be 60,000sqft.

Construction Phase - Demo, site prep, and grading will be completed at start of residential and so are not accounted for in this model run.

Off-road Equipment - Default

Off-road Equipment - Default

Off-road Equipment - Default

Vehicle Trips - Weekday and sunday trip generation is based on traffic report. Trip type is based on traffic report.

Construction Off-road Equipment Mitigation - Tier 3 engines, soil stabilizers, water exposed areas 3 times per day, and a speed limit of 15mph on unpaved roads.

Area Mitigation - Use low VOC paints (50g/L)

Energy Mitigation -

Water Mitigation -

Dana Reserve Hotel - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 3
tblLandUse	LandUseSquareFeet	159,720.00	60,000.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0.025
tblProjectCharacteristics	CO2IntensityFactor	203.98	152.51
tblProjectCharacteristics	N2OIntensityFactor	0.004	0.003
tblVehicleTrips	DV_TP	38.00	6.00
tblVehicleTrips	PR_TP	58.00	90.00
tblVehicleTrips	SU_TR	5.95	5.96

2.0 Emissions Summary

Dana Reserve Hotel - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	77.4357	12.9021	16.7567	0.0302	0.2936	0.5308	0.8244	0.0789	0.4993	0.5782	0.0000	2,891.438 3	2,891.438 3	0.6091	0.0270	2,914.722 6
2027	77.4350	1.1533	1.9119	3.3200e-003	0.0494	0.0517	0.1011	0.0131	0.0517	0.0648	0.0000	317.1201	317.1201	0.0162	9.2000e-004	317.7984
Maximum	77.4357	12.9021	16.7567	0.0302	0.2936	0.5308	0.8244	0.0789	0.4993	0.5782	0.0000	2,891.438 3	2,891.438 3	0.6091	0.0270	2,914.722 6

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	77.3242	14.6585	18.5458	0.0302	0.2936	0.9068	1.2004	0.0789	0.9066	0.9855	0.0000	2,891.438 3	2,891.438 3	0.6091	0.0270	2,914.722 6
2027	77.3235	1.3648	1.9352	3.3200e-003	0.0494	0.0953	0.1447	0.0131	0.0953	0.1084	0.0000	317.1201	317.1201	0.0162	9.2000e-004	317.7984
Maximum	77.3242	14.6585	18.5458	0.0302	0.2936	0.9068	1.2004	0.0789	0.9066	0.9855	0.0000	2,891.438 3	2,891.438 3	0.6091	0.0270	2,914.722 6

Dana Reserve Hotel - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.14	-14.00	-9.71	0.00	0.00	-72.03	-45.33	0.00	-81.83	-70.12	0.00	0.00	0.00	0.00	0.00	0.00

Dana Reserve Hotel - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.6660	1.0000e-004	0.0112	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0241	0.0241	6.0000e-005		0.0256
Energy	0.0778	0.7077	0.5944	4.2500e-003		0.0538	0.0538		0.0538	0.0538		849.1861	849.1861	0.0163	0.0156	854.2324
Mobile	2.3010	2.7995	19.6434	0.0364	4.2326	0.0337	4.2663	1.1283	0.0316	1.1599		3,698.1822	3,698.1822	0.2708	0.1997	3,764.4698
Total	4.0449	3.5073	20.2490	0.0406	4.2326	0.0875	4.3201	1.1283	0.0854	1.2137		4,547.3924	4,547.3924	0.2871	0.2153	4,618.7278

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.3612	1.0000e-004	0.0112	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0241	0.0241	6.0000e-005		0.0256
Energy	0.0778	0.7077	0.5944	4.2500e-003		0.0538	0.0538		0.0538	0.0538		849.1861	849.1861	0.0163	0.0156	854.2324
Mobile	2.3010	2.7995	19.6434	0.0364	4.2326	0.0337	4.2663	1.1283	0.0316	1.1599		3,698.1822	3,698.1822	0.2708	0.1997	3,764.4698
Total	3.7401	3.5073	20.2490	0.0406	4.2326	0.0875	4.3201	1.1283	0.0854	1.2137		4,547.3924	4,547.3924	0.2871	0.2153	4,618.7278

Dana Reserve Hotel - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	7.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2026	11/18/2026	5	230	
2	Paving	Paving	11/19/2026	12/14/2026	5	18	
3	Architectural Coating	Architectural Coating	12/15/2026	1/7/2027	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 90,000; Non-Residential Outdoor: 30,000; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36

Dana Reserve Hotel - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	25.00	10.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

- Use Cleaner Engines for Construction Equipment
- Use Soil Stabilizer
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads

3.2 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Dana Reserve Hotel - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Construction - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0105	0.3895	0.1290	1.4100e-003	0.0465	2.2000e-003	0.0487	0.0134	2.1000e-003	0.0155		151.2854	151.2854	3.6700e-003	0.0222	157.9885
Worker	0.0740	0.0430	0.5431	1.8200e-003	0.2472	1.0200e-003	0.2482	0.0656	9.4000e-004	0.0665		183.6785	183.6785	4.4300e-003	4.8500e-003	185.2360
Total	0.0845	0.4324	0.6720	3.2300e-003	0.2936	3.2200e-003	0.2968	0.0789	3.0400e-003	0.0820		334.9640	334.9640	8.1000e-003	0.0270	343.2245

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Dana Reserve Hotel - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Building Construction - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0105	0.3895	0.1290	1.4100e-003	0.0465	2.2000e-003	0.0487	0.0134	2.1000e-003	0.0155		151.2854	151.2854	3.6700e-003	0.0222	157.9885
Worker	0.0740	0.0430	0.5431	1.8200e-003	0.2472	1.0200e-003	0.2482	0.0656	9.4000e-004	0.0665		183.6785	183.6785	4.4300e-003	4.8500e-003	185.2360
Total	0.0845	0.4324	0.6720	3.2300e-003	0.2936	3.2200e-003	0.2968	0.0789	3.0400e-003	0.0820		334.9640	334.9640	8.1000e-003	0.0270	343.2245

3.3 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741

Dana Reserve Hotel - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Paving - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0592	0.0344	0.4345	1.4500e-003	0.1977	8.1000e-004	0.1985	0.0524	7.5000e-004	0.0532		146.9428	146.9428	3.5400e-003	3.8800e-003	148.1888
Total	0.0592	0.0344	0.4345	1.4500e-003	0.1977	8.1000e-004	0.1985	0.0524	7.5000e-004	0.0532		146.9428	146.9428	3.5400e-003	3.8800e-003	148.1888

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4389	9.0888	13.5323	0.0189		0.5246	0.5246		0.5246	0.5246	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4389	9.0888	13.5323	0.0189		0.5246	0.5246		0.5246	0.5246	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741

Dana Reserve Hotel - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Paving - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0592	0.0344	0.4345	1.4500e-003	0.1977	8.1000e-004	0.1985	0.0524	7.5000e-004	0.0532		146.9428	146.9428	3.5400e-003	3.8800e-003	148.1888
Total	0.0592	0.0344	0.4345	1.4500e-003	0.1977	8.1000e-004	0.1985	0.0524	7.5000e-004	0.0532		146.9428	146.9428	3.5400e-003	3.8800e-003	148.1888

3.4 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	77.2500					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	77.4209	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Dana Reserve Hotel - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0148	8.5900e-003	0.1086	3.6000e-004	0.0494	2.0000e-004	0.0496	0.0131	1.9000e-004	0.0133		36.7357	36.7357	8.9000e-004	9.7000e-004	37.0472
Total	0.0148	8.5900e-003	0.1086	3.6000e-004	0.0494	2.0000e-004	0.0496	0.0131	1.9000e-004	0.0133		36.7357	36.7357	8.9000e-004	9.7000e-004	37.0472

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	77.2500					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	77.3094	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Dana Reserve Hotel - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0148	8.5900e-003	0.1086	3.6000e-004	0.0494	2.0000e-004	0.0496	0.0131	1.9000e-004	0.0133		36.7357	36.7357	8.9000e-004	9.7000e-004	37.0472
Total	0.0148	8.5900e-003	0.1086	3.6000e-004	0.0494	2.0000e-004	0.0496	0.0131	1.9000e-004	0.0133		36.7357	36.7357	8.9000e-004	9.7000e-004	37.0472

3.4 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	77.2500					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	77.4209	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Dana Reserve Hotel - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0141	7.8400e-003	0.1027	3.5000e-004	0.0494	1.9000e-004	0.0496	0.0131	1.8000e-004	0.0133		35.6721	35.6721	8.1000e-004	9.2000e-004	35.9665
Total	0.0141	7.8400e-003	0.1027	3.5000e-004	0.0494	1.9000e-004	0.0496	0.0131	1.8000e-004	0.0133		35.6721	35.6721	8.1000e-004	9.2000e-004	35.9665

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	77.2500					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	77.3094	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Dana Reserve Hotel - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Architectural Coating - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0141	7.8400e-003	0.1027	3.5000e-004	0.0494	1.9000e-004	0.0496	0.0131	1.8000e-004	0.0133		35.6721	35.6721	8.1000e-004	9.2000e-004	35.9665
Total	0.0141	7.8400e-003	0.1027	3.5000e-004	0.0494	1.9000e-004	0.0496	0.0131	1.8000e-004	0.0133		35.6721	35.6721	8.1000e-004	9.2000e-004	35.9665

Dana Reserve Hotel - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.3010	2.7995	19.6434	0.0364	4.2326	0.0337	4.2663	1.1283	0.0316	1.1599		3,698.182 2	3,698.182 2	0.2708	0.1997	3,764.469 8
Unmitigated	2.3010	2.7995	19.6434	0.0364	4.2326	0.0337	4.2663	1.1283	0.0316	1.1599		3,698.182 2	3,698.182 2	0.2708	0.1997	3,764.469 8

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	919.60	900.90	655.60	1,919,910	1,919,910
Total	919.60	900.90	655.60	1,919,910	1,919,910

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Hotel	13.00	5.00	5.00	19.40	61.60	19.00	90	6	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hotel	0.502926	0.057913	0.201381	0.142041	0.033535	0.008550	0.008361	0.005979	0.000919	0.000356	0.031380	0.000886	0.005774

Dana Reserve Hotel - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0778	0.7077	0.5944	4.2500e-003		0.0538	0.0538		0.0538	0.0538		849.1861	849.1861	0.0163	0.0156	854.2324
NaturalGas Unmitigated	0.0778	0.7077	0.5944	4.2500e-003		0.0538	0.0538		0.0538	0.0538		849.1861	849.1861	0.0163	0.0156	854.2324

Dana Reserve Hotel - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hotel	7218.08	0.0778	0.7077	0.5944	4.2500e-003		0.0538	0.0538		0.0538	0.0538		849.1861	849.1861	0.0163	0.0156	854.2324
Total		0.0778	0.7077	0.5944	4.2500e-003		0.0538	0.0538		0.0538	0.0538		849.1861	849.1861	0.0163	0.0156	854.2324

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hotel	7.21808	0.0778	0.7077	0.5944	4.2500e-003		0.0538	0.0538		0.0538	0.0538		849.1861	849.1861	0.0163	0.0156	854.2324
Total		0.0778	0.7077	0.5944	4.2500e-003		0.0538	0.0538		0.0538	0.0538		849.1861	849.1861	0.0163	0.0156	854.2324

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Dana Reserve Hotel - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.3612	1.0000e-004	0.0112	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0241	0.0241	6.0000e-005		0.0256
Unmitigated	1.6660	1.0000e-004	0.0112	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0241	0.0241	6.0000e-005		0.0256

Dana Reserve Hotel - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3810					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2840					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0300e-003	1.0000e-004	0.0112	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0241	0.0241	6.0000e-005		0.0256
Total	1.6660	1.0000e-004	0.0112	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0241	0.0241	6.0000e-005		0.0256

Dana Reserve Hotel - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0762					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2840					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0300e-003	1.0000e-004	0.0112	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0241	0.0241	6.0000e-005		0.0256
Total	1.3612	1.0000e-004	0.0112	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0241	0.0241	6.0000e-005		0.0256

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Use Water Efficient Irrigation System

Dana Reserve Hotel - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Dana Reserve Residential 2030 operational
San Luis Obispo County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	610.00	Dwelling Unit	23.50	610,000.00	1745
Single Family Housing	833.00	Dwelling Unit	149.50	1,499,400.00	2382

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	127.09	CH4 Intensity (lb/MWhr)	0.021	N2O Intensity (lb/MWhr)	0.002

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Utility Intensity Factor based on renewable portfolio standards for PG&E for the year of 2030.

Land Use - Apartment Low Rise land use also includes 152 accessory dwelling units (ADU's) as per the traffic report. Lot acreage based on specific plan.

Construction Phase - Construction phasing is based on the anticipated building schedule for Dana Reserve.

Off-road Equipment - Defaults

Off-road Equipment - Defaults

Off-road Equipment - Defaults

Off-road Equipment - Defaults

Off-road Equipment - Defaults

Off-road Equipment - Defaults

Trips and VMT - defaults

Demolition - No structures are currently on the project site.

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading - Defaults

Vehicle Trips - Trip gen for Weekday and Sunday is based on traffic report, Sat was left default. Trip length was also left as default. Trip type was based on traffic report.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Use low VOC paint (50g/L)

Construction Off-road Equipment Mitigation - Soil stabilizers, Water exposed areas, and use tier 3 engines.

Mobile Land Use Mitigation - 75 Units will be affordable.

Area Mitigation - Use Low VOC Paints

Energy Mitigation - Based on average residential solar systems production and residential usage 75% of electricity generated will be from residential solar. Use energy efficient appliances.

Water Mitigation - Install low flow fixtures and irrigation.

Waste Mitigation -

Fleet Mix - Default

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	150	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	220.00	1,516.00
tblConstructionPhase	NumDays	3,100.00	1,545.00
tblConstructionPhase	NumDays	200.00	108.00
tblConstructionPhase	NumDays	310.00	130.00
tblConstructionPhase	NumDays	120.00	108.00
tblLandUse	LotAcreage	38.13	23.50
tblLandUse	LotAcreage	270.45	149.50

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblProjectCharacteristics	CH4IntensityFactor	0.033	0.021
tblProjectCharacteristics	CO2IntensityFactor	203.98	127.09
tblProjectCharacteristics	N2OIntensityFactor	0.004	0.002
tblVehicleTrips	DV_TP	11.00	6.00
tblVehicleTrips	DV_TP	11.00	6.00
tblVehicleTrips	PB_TP	3.00	4.00
tblVehicleTrips	PB_TP	3.00	4.00
tblVehicleTrips	PR_TP	86.00	90.00
tblVehicleTrips	PR_TP	86.00	90.00
tblVehicleTrips	SU_TR	6.28	6.29
tblVehicleTrips	SU_TR	8.55	8.79
tblVehicleTrips	WD_TR	7.32	7.50
tblVehicleTrips	WD_TR	9.44	8.78

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.4919	4.8971	3.9506	8.4400e-003	1.6894	0.2150	1.9044	0.7909	0.1983	0.9892	0.0000	741.4398	741.4398	0.2251	6.5000e-004	747.2624
2024	5.3189	2.9451	5.3493	0.0156	1.1790	0.0967	1.2757	0.3155	0.0913	0.4068	0.0000	1,426.3925	1,426.3925	0.1011	0.0644	1,448.0988
2025	6.2317	2.7889	5.2469	0.0155	1.2058	0.0850	1.2908	0.3226	0.0804	0.4029	0.0000	1,417.9819	1,417.9819	0.0994	0.0625	1,439.0905
2026	6.2145	2.7513	5.0866	0.0152	1.2058	0.0847	1.2905	0.3226	0.0800	0.4026	0.0000	1,388.5322	1,388.5322	0.0978	0.0605	1,408.9993
2027	6.1984	2.7178	4.9482	0.0149	1.2058	0.0843	1.2901	0.3226	0.0797	0.4022	0.0000	1,360.6034	1,360.6034	0.0964	0.0586	1,380.4764
2028	6.1589	2.6789	4.8135	0.0146	1.2012	0.0836	1.2848	0.3213	0.0790	0.4003	0.0000	1,329.8529	1,329.8529	0.0949	0.0567	1,349.1218
2029	6.1058	3.4043	6.0174	0.0159	1.1354	0.1233	1.2587	0.3037	0.1154	0.4191	0.0000	1,444.8518	1,444.8518	0.1583	0.0513	1,464.1028
Maximum	6.2317	4.8971	6.0174	0.0159	1.6894	0.2150	1.9044	0.7909	0.1983	0.9892	0.0000	1,444.8518	1,444.8518	0.2251	0.0644	1,464.1028

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.2090	3.9742	5.0406	8.4400e-003	0.6770	0.1823	0.8593	0.3133	0.1823	0.4955	0.0000	741.4390	741.4390	0.2251	6.5000e-004	747.2616
2024	5.2012	3.0627	5.5753	0.0156	1.1790	0.1384	1.3175	0.3155	0.1378	0.4533	0.0000	1,426.3921	1,426.3921	0.1011	0.0644	1,448.0984
2025	6.1266	3.0457	5.4834	0.0155	1.2058	0.1398	1.3456	0.3226	0.1392	0.4618	0.0000	1,417.9815	1,417.9815	0.0994	0.0625	1,439.0901
2026	6.1094	3.0081	5.3231	0.0152	1.2058	0.1394	1.3452	0.3226	0.1389	0.4614	0.0000	1,388.5318	1,388.5318	0.0978	0.0605	1,408.9989
2027	6.0933	2.9746	5.1847	0.0149	1.2058	0.1390	1.3448	0.3226	0.1385	0.4611	0.0000	1,360.6030	1,360.6030	0.0964	0.0586	1,380.4760
2028	6.0543	2.9348	5.0491	0.0146	1.2012	0.1381	1.3393	0.3213	0.1376	0.4590	0.0000	1,329.8525	1,329.8525	0.0949	0.0567	1,349.1214
2029	5.9694	3.9405	6.5340	0.0159	1.1354	0.1950	1.3304	0.3037	0.1945	0.4982	0.0000	1,444.8511	1,444.8511	0.1583	0.0513	1,464.1021
Maximum	6.1266	3.9742	6.5340	0.0159	1.2058	0.1950	1.3456	0.3226	0.1945	0.4982	0.0000	1,444.8511	1,444.8511	0.2251	0.0644	1,464.1021

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	2.61	-3.41	-7.84	0.00	11.48	-38.77	7.43	17.70	-47.60	3.88	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-2-2023	4-1-2023	1.4154	1.0519
2	4-2-2023	7-1-2023	1.4839	1.0597
3	7-2-2023	10-1-2023	1.2331	1.0272
4	10-2-2023	1-1-2024	1.2155	1.0141

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5	1-2-2024	4-1-2024	1.3458	1.3455
6	4-2-2024	7-1-2024	2.2867	2.2868
7	7-2-2024	10-1-2024	2.3121	2.3121
8	10-2-2024	1-1-2025	2.3345	2.3349
9	1-2-2025	4-1-2025	2.2312	2.2686
10	4-2-2025	7-1-2025	2.2344	2.2721
11	7-2-2025	10-1-2025	2.2591	2.2974
12	10-2-2025	1-1-2026	2.2809	2.3191
13	1-2-2026	4-1-2026	2.2175	2.2548
14	4-2-2026	7-1-2026	2.2213	2.2591
15	7-2-2026	10-1-2026	2.2460	2.2842
16	10-2-2026	1-1-2027	2.2668	2.3051
17	1-2-2027	4-1-2027	2.2050	2.2424
18	4-2-2027	7-1-2027	2.2095	2.2473
19	7-2-2027	10-1-2027	2.2340	2.2722
20	10-2-2027	1-1-2028	2.2541	2.2923
21	1-2-2028	4-1-2028	2.2181	2.2559
22	4-2-2028	7-1-2028	2.1989	2.2367
23	7-2-2028	10-1-2028	2.2233	2.2615
24	10-2-2028	1-1-2029	2.2426	2.2808
25	1-2-2029	4-1-2029	2.3878	2.4758
26	4-2-2029	7-1-2029	2.4991	2.6136
27	7-2-2029	9-30-2029	2.4991	2.6136
		Highest	2.4991	2.6136

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	9.4842	0.2259	19.5912	1.0400e-003		0.1089	0.1089		0.1089	0.1089	0.0000	32.0867	32.0867	0.0306	0.0000	32.8510
Energy	0.1521	1.2995	0.5530	8.2900e-003		0.1051	0.1051		0.1051	0.1051	0.0000	2,023.9087	2,023.9087	0.1146	0.0358	2,037.4293
Mobile	5.1195	6.1894	46.0800	0.0943	11.6711	0.0765	11.7476	3.1161	0.0718	3.1878	0.0000	8,697.0738	8,697.0738	0.5544	0.4321	8,839.6888
Waste						0.0000	0.0000		0.0000	0.0000	255.2043	0.0000	255.2043	15.0821	0.0000	632.2579
Water						0.0000	0.0000		0.0000	0.0000	29.8273	41.2856	71.1129	3.0704	0.0730	169.6224
Total	14.7558	7.7147	66.2243	0.1036	11.6711	0.2905	11.9616	3.1161	0.2858	3.4018	285.0316	10,794.3547	11,079.3863	18.8521	0.5408	11,711.8494

Dana Reserve Residential 2030 operational - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	9.4842	0.2259	19.5912	1.0400e-003		0.1089	0.1089		0.1089	0.1089	0.0000	32.0867	32.0867	0.0306	0.0000	32.8510
Energy	0.1521	1.2995	0.5530	8.2900e-003		0.1051	0.1051		0.1051	0.1051	0.0000	1,631.7145	1,631.7145	0.0498	0.0296	1,641.7757
Mobile	4.6650	5.2942	39.7876	0.0780	9.5990	0.0641	9.6631	2.5628	0.0601	2.6230	0.0000	7,195.7598	7,195.7598	0.4907	0.3729	7,319.1446
Waste						0.0000	0.0000		0.0000	0.0000	127.6022	0.0000	127.6022	7.5411	0.0000	316.1289
Water						0.0000	0.0000		0.0000	0.0000	23.8619	34.6908	58.5526	2.4566	0.0584	137.3749
Total	14.3013	6.8196	59.9318	0.0873	9.5990	0.2781	9.8771	2.5628	0.2741	2.8370	151.4640	8,894.2517	9,045.7157	10.5687	0.4609	9,447.2752

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	3.08	11.60	9.50	15.71	17.75	4.26	17.43	17.75	4.07	16.60	46.86	17.60	18.36	43.94	14.78	19.34

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/2/2023	5/31/2023	5	108	
2	Site Preparation	Site Preparation	2/1/2023	6/30/2023	5	108	
3	Grading	Grading	7/3/2023	12/29/2023	5	130	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4	Building Construction	Building Construction	1/1/2024	11/30/2029	5	1545
5	Architectural Coating	Architectural Coating	3/1/2024	12/21/2029	5	1516
6	Paving	Paving	2/1/2029	12/5/2029	5	220

Acres of Grading (Site Preparation Phase): 162

Acres of Grading (Grading Phase): 390

Acres of Paving: 0

Residential Indoor: 4,271,535; Residential Outdoor: 1,423,845; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42

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Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	739.00	154.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	148.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1225	1.1602	1.0607	2.1000e-003		0.0539	0.0539		0.0501	0.0501	0.0000	183.5572	183.5572	0.0514	0.0000	184.8423
Total	0.1225	1.1602	1.0607	2.1000e-003		0.0539	0.0539		0.0501	0.0501	0.0000	183.5572	183.5572	0.0514	0.0000	184.8423

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5800e-003	1.8800e-003	0.0214	7.0000e-005	7.8000e-003	4.0000e-005	7.8400e-003	2.0700e-003	4.0000e-005	2.1100e-003	0.0000	5.9843	5.9843	1.7000e-004	1.7000e-004	6.0397
Total	2.5800e-003	1.8800e-003	0.0214	7.0000e-005	7.8000e-003	4.0000e-005	7.8400e-003	2.0700e-003	4.0000e-005	2.1100e-003	0.0000	5.9843	5.9843	1.7000e-004	1.7000e-004	6.0397

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0499	0.9889	1.3324	2.1000e-003		0.0466	0.0466		0.0466	0.0466	0.0000	183.5569	183.5569	0.0514	0.0000	184.8421
Total	0.0499	0.9889	1.3324	2.1000e-003		0.0466	0.0466		0.0466	0.0466	0.0000	183.5569	183.5569	0.0514	0.0000	184.8421

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5800e-003	1.8800e-003	0.0214	7.0000e-005	7.8000e-003	4.0000e-005	7.8400e-003	2.0700e-003	4.0000e-005	2.1100e-003	0.0000	5.9843	5.9843	1.7000e-004	1.7000e-004	6.0397
Total	2.5800e-003	1.8800e-003	0.0214	7.0000e-005	7.8000e-003	4.0000e-005	7.8400e-003	2.0700e-003	4.0000e-005	2.1100e-003	0.0000	5.9843	5.9843	1.7000e-004	1.7000e-004	6.0397

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0615	0.0000	1.0615	0.5455	0.0000	0.5455	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1436	1.4863	0.9852	2.0600e-003		0.0684	0.0684		0.0629	0.0629	0.0000	180.6338	180.6338	0.0584	0.0000	182.0943
Total	0.1436	1.4863	0.9852	2.0600e-003	1.0615	0.0684	1.1299	0.5455	0.0629	0.6084	0.0000	180.6338	180.6338	0.0584	0.0000	182.0943

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-003	2.2500e-003	0.0257	8.0000e-005	9.3600e-003	5.0000e-005	9.4000e-003	2.4900e-003	4.0000e-005	2.5300e-003	0.0000	7.1812	7.1812	2.0000e-004	2.1000e-004	7.2477
Total	3.1000e-003	2.2500e-003	0.0257	8.0000e-005	9.3600e-003	5.0000e-005	9.4000e-003	2.4900e-003	4.0000e-005	2.5300e-003	0.0000	7.1812	7.1812	2.0000e-004	2.1000e-004	7.2477

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4140	0.0000	0.4140	0.2128	0.0000	0.2128	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0503	1.0295	1.2398	2.0600e-003		0.0511	0.0511		0.0511	0.0511	0.0000	180.6336	180.6336	0.0584	0.0000	182.0941
Total	0.0503	1.0295	1.2398	2.0600e-003	0.4140	0.0511	0.4651	0.2128	0.0511	0.2639	0.0000	180.6336	180.6336	0.0584	0.0000	182.0941

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-003	2.2500e-003	0.0257	8.0000e-005	9.3600e-003	5.0000e-005	9.4000e-003	2.4900e-003	4.0000e-005	2.5300e-003	0.0000	7.1812	7.1812	2.0000e-004	2.1000e-004	7.2477
Total	3.1000e-003	2.2500e-003	0.0257	8.0000e-005	9.3600e-003	5.0000e-005	9.4000e-003	2.4900e-003	4.0000e-005	2.5300e-003	0.0000	7.1812	7.1812	2.0000e-004	2.1000e-004	7.2477

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5982	0.0000	0.5982	0.2375	0.0000	0.2375	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2159	2.2435	1.8233	4.0400e-003		0.0926	0.0926		0.0852	0.0852	0.0000	354.4789	354.4789	0.1147	0.0000	357.3450
Total	0.2159	2.2435	1.8233	4.0400e-003	0.5982	0.0926	0.6908	0.2375	0.0852	0.3227	0.0000	354.4789	354.4789	0.1147	0.0000	357.3450

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1400e-003	3.0200e-003	0.0343	1.0000e-004	0.0125	6.0000e-005	0.0126	3.3300e-003	6.0000e-005	3.3800e-003	0.0000	9.6045	9.6045	2.7000e-004	2.8000e-004	9.6934
Total	4.1400e-003	3.0200e-003	0.0343	1.0000e-004	0.0125	6.0000e-005	0.0126	3.3300e-003	6.0000e-005	3.3800e-003	0.0000	9.6045	9.6045	2.7000e-004	2.8000e-004	9.6934

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2333	0.0000	0.2333	0.0926	0.0000	0.0926	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0990	1.9486	2.3870	4.0400e-003		0.0845	0.0845		0.0845	0.0845	0.0000	354.4784	354.4784	0.1147	0.0000	357.3446
Total	0.0990	1.9486	2.3870	4.0400e-003	0.2333	0.0845	0.3178	0.0926	0.0845	0.1771	0.0000	354.4784	354.4784	0.1147	0.0000	357.3446

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1400e-003	3.0200e-003	0.0343	1.0000e-004	0.0125	6.0000e-005	0.0126	3.3300e-003	6.0000e-005	3.3800e-003	0.0000	9.6045	9.6045	2.7000e-004	2.8000e-004	9.6934
Total	4.1400e-003	3.0200e-003	0.0343	1.0000e-004	0.0125	6.0000e-005	0.0126	3.3300e-003	6.0000e-005	3.3800e-003	0.0000	9.6045	9.6045	2.7000e-004	2.8000e-004	9.6934

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
Total	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0228	0.8178	0.2624	2.9500e-003	0.0917	4.6500e-003	0.0964	0.0265	4.4400e-003	0.0310	0.0000	286.5800	286.5800	6.5400e-003	0.0421	299.2845
Worker	0.2902	0.2000	2.3759	7.5500e-003	0.9320	4.3400e-003	0.9363	0.2477	4.0000e-003	0.2517	0.0000	692.8114	692.8114	0.0182	0.0191	698.9548
Total	0.3130	1.0178	2.6382	0.0105	1.0237	8.9900e-003	1.0327	0.2742	8.4400e-003	0.2826	0.0000	979.3914	979.3914	0.0247	0.0612	998.2393

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0883	1.8636	2.3415	3.5300e-003		0.1184	0.1184		0.1184	0.1184	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	0.0883	1.8636	2.3415	3.5300e-003		0.1184	0.1184		0.1184	0.1184	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0228	0.8178	0.2624	2.9500e-003	0.0917	4.6500e-003	0.0964	0.0265	4.4400e-003	0.0310	0.0000	286.5800	286.5800	6.5400e-003	0.0421	299.2845
Worker	0.2902	0.2000	2.3759	7.5500e-003	0.9320	4.3400e-003	0.9363	0.2477	4.0000e-003	0.2517	0.0000	692.8114	692.8114	0.0182	0.0191	698.9548
Total	0.3130	1.0178	2.6382	0.0105	1.0237	8.9900e-003	1.0327	0.2742	8.4400e-003	0.2826	0.0000	979.3914	979.3914	0.0247	0.0612	998.2393

Dana Reserve Residential 2030 operational - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0220	0.7974	0.2574	2.8800e-003	0.0914	4.5200e-003	0.0959	0.0264	4.3200e-003	0.0307	0.0000	280.5426	280.5426	6.6200e-003	0.0412	292.9752
Worker	0.2732	0.1788	2.2115	7.2800e-003	0.9284	4.1200e-003	0.9326	0.2467	3.8000e-003	0.2505	0.0000	667.7365	667.7365	0.0165	0.0178	673.4452
Total	0.2952	0.9763	2.4689	0.0102	1.0198	8.6400e-003	1.0285	0.2731	8.1200e-003	0.2813	0.0000	948.2791	948.2791	0.0231	0.0589	966.4203

Dana Reserve Residential 2030 operational - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0879	1.8565	2.3325	3.5200e-003		0.1179	0.1179		0.1179	0.1179	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.0879	1.8565	2.3325	3.5200e-003		0.1179	0.1179		0.1179	0.1179	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0220	0.7974	0.2574	2.8800e-003	0.0914	4.5200e-003	0.0959	0.0264	4.3200e-003	0.0307	0.0000	280.5426	280.5426	6.6200e-003	0.0412	292.9752
Worker	0.2732	0.1788	2.2115	7.2800e-003	0.9284	4.1200e-003	0.9326	0.2467	3.8000e-003	0.2505	0.0000	667.7365	667.7365	0.0165	0.0178	673.4452
Total	0.2952	0.9763	2.4689	0.0102	1.0198	8.6400e-003	1.0285	0.2731	8.1200e-003	0.2813	0.0000	948.2791	948.2791	0.0231	0.0589	966.4203

Dana Reserve Residential 2030 operational - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0213	0.7801	0.2543	2.8300e-003	0.0914	4.4000e-003	0.0958	0.0264	4.2100e-003	0.0306	0.0000	275.5144	275.5144	6.7200e-003	0.0404	287.7202
Worker	0.2594	0.1620	2.0805	7.0600e-003	0.9284	3.9200e-003	0.9324	0.2467	3.6100e-003	0.2503	0.0000	647.3898	647.3898	0.0151	0.0167	652.7530
Total	0.2808	0.9421	2.3348	9.8900e-003	1.0199	8.3200e-003	1.0282	0.2732	7.8200e-003	0.2810	0.0000	922.9042	922.9042	0.0218	0.0571	940.4732

Dana Reserve Residential 2030 operational - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0879	1.8565	2.3325	3.5200e-003		0.1179	0.1179		0.1179	0.1179	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.0879	1.8565	2.3325	3.5200e-003		0.1179	0.1179		0.1179	0.1179	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0213	0.7801	0.2543	2.8300e-003	0.0914	4.4000e-003	0.0958	0.0264	4.2100e-003	0.0306	0.0000	275.5144	275.5144	6.7200e-003	0.0404	287.7202
Worker	0.2594	0.1620	2.0805	7.0600e-003	0.9284	3.9200e-003	0.9324	0.2467	3.6100e-003	0.2503	0.0000	647.3898	647.3898	0.0151	0.0167	652.7530
Total	0.2808	0.9421	2.3348	9.8900e-003	1.0199	8.3200e-003	1.0282	0.2732	7.8200e-003	0.2810	0.0000	922.9042	922.9042	0.0218	0.0571	940.4732

Dana Reserve Residential 2030 operational - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0208	0.7638	0.2519	2.7700e-003	0.0914	4.2900e-003	0.0957	0.0264	4.1000e-003	0.0305	0.0000	270.0893	270.0893	6.8000e-003	0.0396	282.0538
Worker	0.2465	0.1477	1.9672	6.8600e-003	0.9284	3.6900e-003	0.9321	0.2467	3.4000e-003	0.2501	0.0000	628.6409	628.6409	0.0139	0.0159	633.7102
Total	0.2673	0.9115	2.2191	9.6300e-003	1.0199	7.9800e-003	1.0278	0.2732	7.5000e-003	0.2807	0.0000	898.7302	898.7302	0.0207	0.0554	915.7640

Dana Reserve Residential 2030 operational - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0879	1.8565	2.3325	3.5200e-003		0.1179	0.1179		0.1179	0.1179	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.0879	1.8565	2.3325	3.5200e-003		0.1179	0.1179		0.1179	0.1179	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0208	0.7638	0.2519	2.7700e-003	0.0914	4.2900e-003	0.0957	0.0264	4.1000e-003	0.0305	0.0000	270.0893	270.0893	6.8000e-003	0.0396	282.0538
Worker	0.2465	0.1477	1.9672	6.8600e-003	0.9284	3.6900e-003	0.9321	0.2467	3.4000e-003	0.2501	0.0000	628.6409	628.6409	0.0139	0.0159	633.7102
Total	0.2673	0.9115	2.2191	9.6300e-003	1.0199	7.9800e-003	1.0278	0.2732	7.5000e-003	0.2807	0.0000	898.7302	898.7302	0.0207	0.0554	915.7640

Dana Reserve Residential 2030 operational - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671
Total	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0202	0.7468	0.2491	2.7000e-003	0.0911	4.1700e-003	0.0952	0.0263	3.9800e-003	0.0303	0.0000	263.8953	263.8953	6.8800e-003	0.0387	275.5841
Worker	0.2329	0.1351	1.8647	6.6400e-003	0.9249	3.4400e-003	0.9283	0.2458	3.1700e-003	0.2490	0.0000	609.2542	609.2542	0.0128	0.0150	614.0558
Total	0.2531	0.8819	2.1138	9.3400e-003	1.0160	7.6100e-003	1.0236	0.2721	7.1500e-003	0.2793	0.0000	873.1495	873.1495	0.0196	0.0537	889.6398

Dana Reserve Residential 2030 operational - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0876	1.8494	2.3236	3.5000e-003		0.1175	0.1175		0.1175	0.1175	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667
Total	0.0876	1.8494	2.3236	3.5000e-003		0.1175	0.1175		0.1175	0.1175	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0202	0.7468	0.2491	2.7000e-003	0.0911	4.1700e-003	0.0952	0.0263	3.9800e-003	0.0303	0.0000	263.8953	263.8953	6.8800e-003	0.0387	275.5841
Worker	0.2329	0.1351	1.8647	6.6400e-003	0.9249	3.4400e-003	0.9283	0.2458	3.1700e-003	0.2490	0.0000	609.2542	609.2542	0.0128	0.0150	614.0558
Total	0.2531	0.8819	2.1138	9.3400e-003	1.0160	7.6100e-003	1.0236	0.2721	7.1500e-003	0.2793	0.0000	873.1495	873.1495	0.0196	0.0537	889.6398

Dana Reserve Residential 2030 operational - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1641	1.4964	1.9302	3.2400e-003		0.0633	0.0633		0.0596	0.0596	0.0000	278.3033	278.3033	0.0654	0.0000	279.9389
Total	0.1641	1.4964	1.9302	3.2400e-003		0.0633	0.0633		0.0596	0.0596	0.0000	278.3033	278.3033	0.0654	0.0000	279.9389

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0181	0.6760	0.2284	2.4400e-003	0.0841	3.7400e-003	0.0878	0.0243	3.5800e-003	0.0279	0.0000	238.7618	238.7618	6.4400e-003	0.0349	249.3362
Worker	0.2036	0.1152	1.6442	5.9800e-003	0.8537	2.9800e-003	0.8567	0.2269	2.7400e-003	0.2296	0.0000	548.1763	548.1763	0.0109	0.0133	552.4123
Total	0.2218	0.7913	1.8726	8.4200e-003	0.9378	6.7200e-003	0.9445	0.2512	6.3200e-003	0.2575	0.0000	786.9381	786.9381	0.0173	0.0482	801.7485

Dana Reserve Residential 2030 operational - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0809	1.7071	2.1449	3.2400e-003		0.1084	0.1084		0.1084	0.1084	0.0000	278.3030	278.3030	0.0654	0.0000	279.9385
Total	0.0809	1.7071	2.1449	3.2400e-003		0.1084	0.1084		0.1084	0.1084	0.0000	278.3030	278.3030	0.0654	0.0000	279.9385

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0181	0.6760	0.2284	2.4400e-003	0.0841	3.7400e-003	0.0878	0.0243	3.5800e-003	0.0279	0.0000	238.7618	238.7618	6.4400e-003	0.0349	249.3362
Worker	0.2036	0.1152	1.6442	5.9800e-003	0.8537	2.9800e-003	0.8567	0.2269	2.7400e-003	0.2296	0.0000	548.1763	548.1763	0.0109	0.0133	552.4123
Total	0.2218	0.7913	1.8726	8.4200e-003	0.9378	6.7200e-003	0.9445	0.2512	6.3200e-003	0.2575	0.0000	786.9381	786.9381	0.0173	0.0482	801.7485

Dana Reserve Residential 2030 operational - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.7450					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0197	0.1329	0.1973	3.2000e-004		6.6400e-003	6.6400e-003		6.6400e-003	6.6400e-003	0.0000	27.8305	27.8305	1.5700e-003	0.0000	27.8696
Total	4.7647	0.1329	0.1973	3.2000e-004		6.6400e-003	6.6400e-003		6.6400e-003	6.6400e-003	0.0000	27.8305	27.8305	1.5700e-003	0.0000	27.8696

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0484	0.0333	0.3959	1.2600e-003	0.1553	7.2000e-004	0.1560	0.0413	6.7000e-004	0.0419	0.0000	115.4483	115.4483	3.0300e-003	3.1800e-003	116.4720
Total	0.0484	0.0333	0.3959	1.2600e-003	0.1553	7.2000e-004	0.1560	0.0413	6.7000e-004	0.0419	0.0000	115.4483	115.4483	3.0300e-003	3.1800e-003	116.4720

Dana Reserve Residential 2030 operational - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.7450					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.4800e-003	0.1479	0.1997	3.2000e-004		0.0104	0.0104		0.0104	0.0104	0.0000	27.8304	27.8304	1.5700e-003	0.0000	27.8696
Total	4.7515	0.1479	0.1997	3.2000e-004		0.0104	0.0104		0.0104	0.0104	0.0000	27.8304	27.8304	1.5700e-003	0.0000	27.8696

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0484	0.0333	0.3959	1.2600e-003	0.1553	7.2000e-004	0.1560	0.0413	6.7000e-004	0.0419	0.0000	115.4483	115.4483	3.0300e-003	3.1800e-003	116.4720
Total	0.0484	0.0333	0.3959	1.2600e-003	0.1553	7.2000e-004	0.1560	0.0413	6.7000e-004	0.0419	0.0000	115.4483	115.4483	3.0300e-003	3.1800e-003	116.4720

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3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.6810					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
Total	5.7033	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0547	0.0358	0.4429	1.4600e-003	0.1859	8.3000e-004	0.1868	0.0494	7.6000e-004	0.0502	0.0000	133.7280	133.7280	3.3000e-003	3.5600e-003	134.8713
Total	0.0547	0.0358	0.4429	1.4600e-003	0.1859	8.3000e-004	0.1868	0.0494	7.6000e-004	0.0502	0.0000	133.7280	133.7280	3.3000e-003	3.5600e-003	134.8713

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3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.6810					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7600e-003	0.1771	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
Total	5.6888	0.1771	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0547	0.0358	0.4429	1.4600e-003	0.1859	8.3000e-004	0.1868	0.0494	7.6000e-004	0.0502	0.0000	133.7280	133.7280	3.3000e-003	3.5600e-003	134.8713
Total	0.0547	0.0358	0.4429	1.4600e-003	0.1859	8.3000e-004	0.1868	0.0494	7.6000e-004	0.0502	0.0000	133.7280	133.7280	3.3000e-003	3.5600e-003	134.8713

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.6810					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
Total	5.7033	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0520	0.0324	0.4167	1.4100e-003	0.1859	7.8000e-004	0.1867	0.0494	7.2000e-004	0.0501	0.0000	129.6532	129.6532	3.0200e-003	3.3500e-003	130.7273
Total	0.0520	0.0324	0.4167	1.4100e-003	0.1859	7.8000e-004	0.1867	0.0494	7.2000e-004	0.0501	0.0000	129.6532	129.6532	3.0200e-003	3.3500e-003	130.7273

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.6810					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7600e-003	0.1771	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
Total	5.6888	0.1771	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0520	0.0324	0.4167	1.4100e-003	0.1859	7.8000e-004	0.1867	0.0494	7.2000e-004	0.0501	0.0000	129.6532	129.6532	3.0200e-003	3.3500e-003	130.7273
Total	0.0520	0.0324	0.4167	1.4100e-003	0.1859	7.8000e-004	0.1867	0.0494	7.2000e-004	0.0501	0.0000	129.6532	129.6532	3.0200e-003	3.3500e-003	130.7273

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.6810					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
Total	5.7033	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0494	0.0296	0.3940	1.3700e-003	0.1859	7.4000e-004	0.1867	0.0494	6.8000e-004	0.0501	0.0000	125.8983	125.8983	2.7800e-003	3.1700e-003	126.9135
Total	0.0494	0.0296	0.3940	1.3700e-003	0.1859	7.4000e-004	0.1867	0.0494	6.8000e-004	0.0501	0.0000	125.8983	125.8983	2.7800e-003	3.1700e-003	126.9135

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3.6 Architectural Coating - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.6810					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7600e-003	0.1771	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
Total	5.6888	0.1771	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0494	0.0296	0.3940	1.3700e-003	0.1859	7.4000e-004	0.1867	0.0494	6.8000e-004	0.0501	0.0000	125.8983	125.8983	2.7800e-003	3.1700e-003	126.9135
Total	0.0494	0.0296	0.3940	1.3700e-003	0.1859	7.4000e-004	0.1867	0.0494	6.8000e-004	0.0501	0.0000	125.8983	125.8983	2.7800e-003	3.1700e-003	126.9135

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.6592					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0222	0.1489	0.2352	3.9000e-004		6.7000e-003	6.7000e-003		6.7000e-003	6.7000e-003	0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2376
Total	5.6814	0.1489	0.2352	3.9000e-004		6.7000e-003	6.7000e-003		6.7000e-003	6.7000e-003	0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2376

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0467	0.0271	0.3734	1.3300e-003	0.1852	6.9000e-004	0.1859	0.0492	6.4000e-004	0.0499	0.0000	122.0157	122.0157	2.5500e-003	3.0100e-003	122.9773
Total	0.0467	0.0271	0.3734	1.3300e-003	0.1852	6.9000e-004	0.1859	0.0492	6.4000e-004	0.0499	0.0000	122.0157	122.0157	2.5500e-003	3.0100e-003	122.9773

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.6592					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7300e-003	0.1764	0.2382	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2375
Total	5.6670	0.1764	0.2382	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2375

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0467	0.0271	0.3734	1.3300e-003	0.1852	6.9000e-004	0.1859	0.0492	6.4000e-004	0.0499	0.0000	122.0157	122.0157	2.5500e-003	3.0100e-003	122.9773
Total	0.0467	0.0271	0.3734	1.3300e-003	0.1852	6.9000e-004	0.1859	0.0492	6.4000e-004	0.0499	0.0000	122.0157	122.0157	2.5500e-003	3.0100e-003	122.9773

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.5504					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0218	0.1461	0.2307	3.8000e-004		6.5700e-003	6.5700e-003		6.5700e-003	6.5700e-003	0.0000	32.5540	32.5540	1.7800e-003	0.0000	32.5984
Total	5.5722	0.1461	0.2307	3.8000e-004		6.5700e-003	6.5700e-003		6.5700e-003	6.5700e-003	0.0000	32.5540	32.5540	1.7800e-003	0.0000	32.5984

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0433	0.0245	0.3499	1.2700e-003	0.1817	6.3000e-004	0.1823	0.0483	5.8000e-004	0.0489	0.0000	116.6451	116.6451	2.3200e-003	2.8300e-003	117.5465
Total	0.0433	0.0245	0.3499	1.2700e-003	0.1817	6.3000e-004	0.1823	0.0483	5.8000e-004	0.0489	0.0000	116.6451	116.6451	2.3200e-003	2.8300e-003	117.5465

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.5504					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.5800e-003	0.1730	0.2336	3.8000e-004		0.0121	0.0121		0.0121	0.0121	0.0000	32.5540	32.5540	1.7800e-003	0.0000	32.5983
Total	5.5580	0.1730	0.2336	3.8000e-004		0.0121	0.0121		0.0121	0.0121	0.0000	32.5540	32.5540	1.7800e-003	0.0000	32.5983

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0433	0.0245	0.3499	1.2700e-003	0.1817	6.3000e-004	0.1823	0.0483	5.8000e-004	0.0489	0.0000	116.6451	116.6451	2.3200e-003	2.8300e-003	117.5465
Total	0.0433	0.0245	0.3499	1.2700e-003	0.1817	6.3000e-004	0.1823	0.0483	5.8000e-004	0.0489	0.0000	116.6451	116.6451	2.3200e-003	2.8300e-003	117.5465

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Paving - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1007	0.9440	1.6036	2.5100e-003		0.0460	0.0460		0.0424	0.0424	0.0000	220.2118	220.2118	0.0712	0.0000	221.9923
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1007	0.9440	1.6036	2.5100e-003		0.0460	0.0460		0.0424	0.0424	0.0000	220.2118	220.2118	0.0712	0.0000	221.9923

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7900e-003	2.1400e-003	0.0306	1.1000e-004	0.0159	6.0000e-005	0.0159	4.2200e-003	5.0000e-005	4.2700e-003	0.0000	10.1995	10.1995	2.0000e-004	2.5000e-004	10.2783
Total	3.7900e-003	2.1400e-003	0.0306	1.1000e-004	0.0159	6.0000e-005	0.0159	4.2200e-003	5.0000e-005	4.2700e-003	0.0000	10.1995	10.1995	2.0000e-004	2.5000e-004	10.2783

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Paving - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0617	1.2425	1.9025	2.5100e-003		0.0670	0.0670		0.0670	0.0670	0.0000	220.2116	220.2116	0.0712	0.0000	221.9921
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0617	1.2425	1.9025	2.5100e-003		0.0670	0.0670		0.0670	0.0670	0.0000	220.2116	220.2116	0.0712	0.0000	221.9921

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7900e-003	2.1400e-003	0.0306	1.1000e-004	0.0159	6.0000e-005	0.0159	4.2200e-003	5.0000e-005	4.2700e-003	0.0000	10.1995	10.1995	2.0000e-004	2.5000e-004	10.2783
Total	3.7900e-003	2.1400e-003	0.0306	1.1000e-004	0.0159	6.0000e-005	0.0159	4.2200e-003	5.0000e-005	4.2700e-003	0.0000	10.1995	10.1995	2.0000e-004	2.5000e-004	10.2783

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

- Increase Density
- Improve Walkability Design
- Improve Destination Accessibility
- Increase Transit Accessibility
- Integrate Below Market Rate Housing
- Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.6650	5.2942	39.7876	0.0780	9.5990	0.0641	9.6631	2.5628	0.0601	2.6230	0.0000	7,195.7598	7,195.7598	0.4907	0.3729	7,319.1446
Unmitigated	5.1195	6.1894	46.0800	0.0943	11.6711	0.0765	11.7476	3.1161	0.0718	3.1878	0.0000	8,697.0738	8,697.0738	0.5544	0.4321	8,839.6888

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartment Low Rise	4,575.00	4,965.40	3836.90	11,859,256	9,753,755
Single Family Housing	7,313.74	7,946.82	7322.07	19,406,808	15,961,308
Total	11,888.74	12,912.22	11,158.97	31,266,064	25,715,062

4.3 Trip Type Information

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	13.00	5.00	5.00	35.80	21.00	43.20	90	6	4
Single Family Housing	13.00	5.00	5.00	35.80	21.00	43.20	90	6	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.516135	0.058853	0.199929	0.136792	0.029532	0.007795	0.008341	0.005917	0.000885	0.000346	0.029869	0.000792	0.004814
Single Family Housing	0.516135	0.058853	0.199929	0.136792	0.029532	0.007795	0.008341	0.005917	0.000885	0.000346	0.029869	0.000792	0.004814

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

Percent of Electricity Use Generated with Renewable Energy

Install Energy Efficient Appliances

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	126.7612	126.7612	0.0210	1.9900e-003	127.8793
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	518.9554	518.9554	0.0858	8.1700e-003	523.5329
NaturalGas Mitigated	0.1521	1.2995	0.5530	8.2900e-003		0.1051	0.1051		0.1051	0.1051	0.0000	1,504.9532	1,504.9532	0.0288	0.0276	1,513.8964
NaturalGas Unmitigated	0.1521	1.2995	0.5530	8.2900e-003		0.1051	0.1051		0.1051	0.1051	0.0000	1,504.9532	1,504.9532	0.0288	0.0276	1,513.8964

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	6.01935e+006	0.0325	0.2774	0.1180	1.7700e-003		0.0224	0.0224		0.0224	0.0224	0.0000	321.2155	321.2155	6.1600e-003	5.8900e-003	323.1244
Single Family Housing	2.21824e+007	0.1196	1.0221	0.4350	6.5200e-003		0.0826	0.0826		0.0826	0.0826	0.0000	1,183.7377	1,183.7377	0.0227	0.0217	1,190.7721
Total		0.1521	1.2995	0.5530	8.2900e-003		0.1051	0.1051		0.1051	0.1051	0.0000	1,504.9532	1,504.9532	0.0289	0.0276	1,513.8964

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	6.01935e+006	0.0325	0.2774	0.1180	1.7700e-003		0.0224	0.0224		0.0224	0.0224	0.0000	321.2155	321.2155	6.1600e-003	5.8900e-003	323.1244
Single Family Housing	2.21824e+007	0.1196	1.0221	0.4350	6.5200e-003		0.0826	0.0826		0.0826	0.0826	0.0000	1,183.7377	1,183.7377	0.0227	0.0217	1,190.7721
Total		0.1521	1.2995	0.5530	8.2900e-003		0.1051	0.1051		0.1051	0.1051	0.0000	1,504.9532	1,504.9532	0.0289	0.0276	1,513.8964

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	2.47722e+006	142.8042	0.0236	2.2500e-003	144.0638
Single Family Housing	6.52507e+006	376.1512	0.0622	5.9200e-003	379.4690
Total		518.9554	0.0858	8.1700e-003	523.5329

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	602660	34.7416	5.7400e-003	5.5000e-004	35.0480
Single Family Housing	1.59626e+006	92.0196	0.0152	1.4500e-003	92.8313
Total		126.7612	0.0210	2.0000e-003	127.8793

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	9.4842	0.2259	19.5912	1.0400e-003		0.1089	0.1089		0.1089	0.1089	0.0000	32.0867	32.0867	0.0306	0.0000	32.8510
Unmitigated	9.4842	0.2259	19.5912	1.0400e-003		0.1089	0.1089		0.1089	0.1089	0.0000	32.0867	32.0867	0.0306	0.0000	32.8510

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.6600					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	8.2383					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.5860	0.2259	19.5912	1.0400e-003		0.1089	0.1089		0.1089	0.1089	0.0000	32.0867	32.0867	0.0306	0.0000	32.8510
Total	9.4842	0.2259	19.5912	1.0400e-003		0.1089	0.1089		0.1089	0.1089	0.0000	32.0867	32.0867	0.0306	0.0000	32.8510

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.6600					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	8.2383					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.5860	0.2259	19.5912	1.0400e-003		0.1089	0.1089		0.1089	0.1089	0.0000	32.0867	32.0867	0.0306	0.0000	32.8510
Total	9.4842	0.2259	19.5912	1.0400e-003		0.1089	0.1089		0.1089	0.1089	0.0000	32.0867	32.0867	0.0306	0.0000	32.8510

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	58.5526	2.4566	0.0584	137.3749
Unmitigated	71.1129	3.0704	0.0730	169.6224

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	39.744 / 25.056	30.0616	1.2979	0.0309	71.7046
Single Family Housing	54.2733 / 34.2158	41.0513	1.7724	0.0421	97.9179
Total		71.1129	3.0704	0.0730	169.6224

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	31.7952 / 23.5276	24.7520	1.0385	0.0247	58.0725
Single Family Housing	43.4186 / 32.1286	33.8007	1.4181	0.0337	79.3023
Total		58.5526	2.4566	0.0584	137.3749

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	127.6022	7.5411	0.0000	316.1289
Unmitigated	255.2043	15.0821	0.0000	632.2579

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	280.6	56.9593	3.3662	0.0000	141.1142
Single Family Housing	976.62	198.2450	11.7160	0.0000	491.1437
Total		255.2043	15.0822	0.0000	632.2579

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	140.3	28.4796	1.6831	0.0000	70.5571
Single Family Housing	488.31	99.1225	5.8580	0.0000	245.5718
Total		127.6022	7.5411	0.0000	316.1289

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Dana Reserve Residential - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Dana Reserve Residential
San Luis Obispo County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	55.20	Acre	55.20	2,404,512.00	0
Apartments Low Rise	610.00	Dwelling Unit	23.50	610,000.00	1745
Single Family Housing	833.00	Dwelling Unit	149.50	1,499,400.00	2382

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2031
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	118.62	CH4 Intensity (lb/MWhr)	0.019	N2O Intensity (lb/MWhr)	0.002

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Utility Intensity Factor based on renewable portfolio standards for PG&E for the year of 2031.

Land Use - Apartment Low Rise land use also includes 152 accessory dwelling units (ADU's) as per the traffic report. Lot acreage based on specific plan, other non-asphalt surfaces is included to account for grading of entire project.

Construction Phase - Construction phasing is based on the anticipated building schedule for Dana Reserve.

Off-road Equipment - Defaults

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Trips and VMT - defaults

Demolition - No structures are currently on the project site.

Grading - Defaults

Architectural Coating -

Vehicle Trips - Trip gen for Weekday and sunday is based on traffic report, sat was left default. Trip length was also left as default. Trip type was based on traffic report.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Use low VOC paint (50g/L)

Construction Off-road Equipment Mitigation - Soil stabilizers, Water exposed areas, and use tier 3 engines.

Mobile Land Use Mitigation - 75 units will be "affordable"

Area Mitigation - Use Low VOC Paints

Energy Mitigation - Based on average residential solar systems production and residential usage 75% of electricity generated will be from residential solar. Use energy efficient appliances.

Water Mitigation - Install low flow fixtures and irrigation.

Waste Mitigation -

Fleet Mix - Default

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	144,271.00	170,407.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	150	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblAreaCoating	Area_Parking	144271	0
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
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tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	330.00	1,783.00
tblConstructionPhase	NumDays	4,650.00	1,805.00

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tblConstructionPhase	NumDays	300.00	108.00
tblConstructionPhase	NumDays	465.00	130.00
tblConstructionPhase	NumDays	330.00	220.00
tblConstructionPhase	NumDays	180.00	108.00
tblLandUse	LotAcreage	38.13	23.50
tblLandUse	LotAcreage	270.45	149.50
tblProjectCharacteristics	CH4IntensityFactor	0.033	0.019
tblProjectCharacteristics	CO2IntensityFactor	203.98	118.62
tblProjectCharacteristics	N2OIntensityFactor	0.004	0.002
tblTripsAndVMT	VendorTripNumber	548.00	620.00
tblTripsAndVMT	WorkerTripNumber	1,749.00	1,932.00
tblTripsAndVMT	WorkerTripNumber	350.00	386.00
tblVehicleTrips	DV_TP	11.00	6.00
tblVehicleTrips	DV_TP	11.00	6.00
tblVehicleTrips	PB_TP	3.00	4.00
tblVehicleTrips	PB_TP	3.00	4.00
tblVehicleTrips	PR_TP	86.00	90.00
tblVehicleTrips	PR_TP	86.00	90.00
tblVehicleTrips	SU_TR	6.28	6.29
tblVehicleTrips	SU_TR	8.55	8.79
tblVehicleTrips	WD_TR	7.32	7.50
tblVehicleTrips	WD_TR	9.44	8.78

2.0 Emissions Summary

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2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.4919	4.8971	3.9506	8.4400e-003	1.6894	0.2150	1.9044	0.7909	0.1983	0.9892	0.0000	741.4398	741.4398	0.2251	6.5000e-004	747.2624
2024	5.2961	5.7964	10.6153	0.0388	3.2109	0.1189	3.3299	0.8619	0.1123	0.9742	0.0000	3,597.6651	3,597.6651	0.1552	0.2276	3,669.3787
2025	6.0634	5.5481	10.3081	0.0383	3.2802	0.1067	3.3869	0.8803	0.1008	0.9811	0.0000	3,559.9018	3,559.9018	0.1513	0.2215	3,629.6853
2026	6.0175	5.4257	9.8848	0.0374	3.2802	0.1056	3.3858	0.8803	0.0998	0.9800	0.0000	3,475.8375	3,475.8375	0.1473	0.2151	3,543.6243
2027	5.9746	5.3150	9.5196	0.0366	3.2802	0.1044	3.3846	0.8803	0.0986	0.9789	0.0000	3,395.1873	3,395.1873	0.1438	0.2091	3,461.0806
2028	5.9099	5.2004	9.1781	0.0356	3.2677	0.1029	3.3706	0.8769	0.0972	0.9741	0.0000	3,308.1534	3,308.1534	0.1404	0.2028	3,372.0899
2029	5.8918	5.1296	8.9437	0.0350	3.2803	0.1021	3.3824	0.8803	0.0965	0.9768	0.0000	3,251.2333	3,251.2333	0.1383	0.1984	3,313.8043
2030	5.9287	4.8537	9.8561	0.0354	3.0606	0.0803	3.1409	0.8212	0.0790	0.9002	0.0000	3,260.4555	3,260.4555	0.0848	0.1784	3,315.7291
Maximum	6.0634	5.7964	10.6153	0.0388	3.2803	0.2150	3.3869	0.8803	0.1983	0.9892	0.0000	3,597.6651	3,597.6651	0.2251	0.2276	3,669.3787

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2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.2090	3.9742	5.0406	8.4400e-003	0.6770	0.1823	0.8593	0.3133	0.1823	0.4955	0.0000	741.4390	741.4390	0.2251	6.5000e-004	747.2616
2024	5.1784	5.9139	10.8413	0.0388	3.2109	0.1607	3.3716	0.8619	0.1588	1.0207	0.0000	3,597.6647	3,597.6647	0.1552	0.2276	3,669.3783
2025	5.9583	5.8049	10.5446	0.0383	3.2802	0.1615	3.4416	0.8803	0.1596	1.0399	0.0000	3,559.9014	3,559.9014	0.1513	0.2215	3,629.6849
2026	5.9124	5.6825	10.1213	0.0374	3.2802	0.1603	3.4405	0.8803	0.1586	1.0389	0.0000	3,475.8371	3,475.8371	0.1473	0.2151	3,543.6239
2027	5.8695	5.5718	9.7562	0.0366	3.2802	0.1592	3.4394	0.8803	0.1575	1.0378	0.0000	3,395.1869	3,395.1869	0.1438	0.2091	3,461.0802
2028	5.8053	5.4562	9.4137	0.0356	3.2677	0.1574	3.4251	0.8769	0.1558	1.0328	0.0000	3,308.1530	3,308.1530	0.1404	0.2028	3,372.0895
2029	5.7868	5.3864	9.1802	0.0350	3.2803	0.1569	3.4372	0.8803	0.1554	1.0357	0.0000	3,251.2329	3,251.2329	0.1383	0.1984	3,313.8038
2030	5.7529	6.1301	10.2248	0.0354	3.0606	0.2110	3.2716	0.8212	0.2097	1.0309	0.0000	3,260.4548	3,260.4548	0.0848	0.1784	3,315.7284
Maximum	5.9583	6.1301	10.8413	0.0388	3.2803	0.2110	3.4416	0.8803	0.2097	1.0399	0.0000	3,597.6647	3,597.6647	0.2251	0.2276	3,669.3783

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	2.65	-4.16	-3.97	0.00	4.16	-44.17	2.37	6.95	-51.57	0.29	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-2-2023	4-1-2023	1.4154	1.0519
2	4-2-2023	7-1-2023	1.4839	1.0597
3	7-2-2023	10-1-2023	1.2331	1.0272

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4	10-2-2023	1-1-2024	1.2247	1.0233
5	1-2-2024	4-1-2024	2.1348	2.1345
6	4-2-2024	7-1-2024	2.9337	2.9337
7	7-2-2024	10-1-2024	2.9667	2.9667
8	10-2-2024	1-1-2025	3.0350	3.0354
9	1-2-2025	4-1-2025	2.8851	2.9225
10	4-2-2025	7-1-2025	2.8516	2.8894
11	7-2-2025	10-1-2025	2.8836	2.9219
12	10-2-2025	1-1-2026	2.9495	2.9877
13	1-2-2026	4-1-2026	2.8431	2.8804
14	4-2-2026	7-1-2026	2.8114	2.8492
15	7-2-2026	10-1-2026	2.8430	2.8812
16	10-2-2026	1-1-2027	2.9065	2.9447
17	1-2-2027	4-1-2027	2.8046	2.8420
18	4-2-2027	7-1-2027	2.7747	2.8125
19	7-2-2027	10-1-2027	2.8059	2.8441
20	10-2-2027	1-1-2028	2.8673	2.9055
21	1-2-2028	4-1-2028	2.8011	2.8389
22	4-2-2028	7-1-2028	2.7421	2.7799
23	7-2-2028	10-1-2028	2.7729	2.8111
24	10-2-2028	1-1-2029	2.8322	2.8704
25	1-2-2029	4-1-2029	2.7372	2.7746
26	4-2-2029	7-1-2029	2.7106	2.7484
27	7-2-2029	10-1-2029	2.7410	2.7792
28	10-2-2029	1-1-2030	2.7966	2.8366
29	1-2-2030	4-1-2030	2.7341	3.0015
30	4-2-2030	7-1-2030	2.8017	3.1084
31	7-2-2030	9-30-2030	2.8017	3.1084
		Highest	3.0350	3.1084

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2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	9.6397	0.2259	19.5922	1.0400e-003		0.1089	0.1089		0.1089	0.1089	0.0000	32.0885	32.0885	0.0306	0.0000	32.8529
Energy	0.1521	1.2995	0.5530	8.2900e-003		0.1051	0.1051		0.1051	0.1051	0.0000	1,989.3225	1,989.3225	0.1064	0.0358	2,002.6390
Mobile	4.8999	5.8138	44.5722	0.0919	11.6679	0.0715	11.7393	3.1147	0.0670	3.1817	0.0000	8,480.9403	8,480.9403	0.5330	0.4179	8,618.7956
Waste						0.0000	0.0000		0.0000	0.0000	255.2043	0.0000	255.2043	15.0821	0.0000	632.2579
Water						0.0000	0.0000		0.0000	0.0000	29.8273	38.5341	68.3614	3.0697	0.0730	166.8546
Total	14.6917	7.3392	64.7173	0.1012	11.6679	0.2855	11.9534	3.1147	0.2810	3.3957	285.0316	10,540.8854	10,825.9170	18.8219	0.5266	11,453.4000

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	9.6397	0.2259	19.5922	1.0400e-003		0.1089	0.1089		0.1089	0.1089	0.0000	32.0885	32.0885	0.0306	0.0000	32.8529
Energy	0.1521	1.2995	0.5530	8.2900e-003		0.1051	0.1051		0.1051	0.1051	0.0000	1,623.2664	1,623.2664	0.0478	0.0296	1,633.2778
Mobile	4.5130	5.0786	39.2286	0.0780	9.8445	0.0613	9.9058	2.6280	0.0575	2.6854	0.0000	7,192.3880	7,192.3880	0.4786	0.3676	7,313.9056
Waste						0.0000	0.0000		0.0000	0.0000	127.6022	0.0000	127.6022	7.5411	0.0000	316.1289
Water						0.0000	0.0000		0.0000	0.0000	23.8619	32.3788	56.2406	2.4560	0.0584	135.0492
Total	14.3048	6.6039	59.3738	0.0873	9.8445	0.2753	10.1198	2.6280	0.2715	2.8994	151.4640	8,880.1217	9,031.5857	10.5541	0.4556	9,431.2144

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	2.63	10.02	8.26	13.79	15.63	3.56	15.34	15.63	3.39	14.61	46.86	15.76	16.57	43.93	13.48	17.66

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grubbing	Demolition	1/2/2023	5/31/2023	5	108	
2	Site Preparation	Site Preparation	2/1/2023	6/30/2023	5	108	
3	Grading	Grading	7/3/2023	12/29/2023	5	130	

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4	Building Construction	Building Construction	1/1/2024	11/29/2030	5	1805
5	Architectural Coating	Architectural Coating	3/1/2024	12/31/2030	5	1783
6	Paving	Paving	2/1/2030	12/5/2030	5	220

Acres of Grading (Site Preparation Phase): 162

Acres of Grading (Grading Phase): 390

Acres of Paving: 55.2

Residential Indoor: 4,271,535; Residential Outdoor: 1,423,845; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 170,407 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grubbing	Concrete/Industrial Saws	1	8.00	81	0.73
Grubbing	Excavators	3	8.00	158	0.38
Grubbing	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42

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Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grubbing	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,932.00	620.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	386.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

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3.2 Grubbing - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1225	1.1602	1.0607	2.1000e-003		0.0539	0.0539		0.0501	0.0501	0.0000	183.5572	183.5572	0.0514	0.0000	184.8423
Total	0.1225	1.1602	1.0607	2.1000e-003		0.0539	0.0539		0.0501	0.0501	0.0000	183.5572	183.5572	0.0514	0.0000	184.8423

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5800e-003	1.8800e-003	0.0214	7.0000e-005	7.8000e-003	4.0000e-005	7.8400e-003	2.0700e-003	4.0000e-005	2.1100e-003	0.0000	5.9843	5.9843	1.7000e-004	1.7000e-004	6.0397
Total	2.5800e-003	1.8800e-003	0.0214	7.0000e-005	7.8000e-003	4.0000e-005	7.8400e-003	2.0700e-003	4.0000e-005	2.1100e-003	0.0000	5.9843	5.9843	1.7000e-004	1.7000e-004	6.0397

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Grubbing - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0499	0.9889	1.3324	2.1000e-003		0.0466	0.0466		0.0466	0.0466	0.0000	183.5569	183.5569	0.0514	0.0000	184.8421
Total	0.0499	0.9889	1.3324	2.1000e-003		0.0466	0.0466		0.0466	0.0466	0.0000	183.5569	183.5569	0.0514	0.0000	184.8421

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5800e-003	1.8800e-003	0.0214	7.0000e-005	7.8000e-003	4.0000e-005	7.8400e-003	2.0700e-003	4.0000e-005	2.1100e-003	0.0000	5.9843	5.9843	1.7000e-004	1.7000e-004	6.0397
Total	2.5800e-003	1.8800e-003	0.0214	7.0000e-005	7.8000e-003	4.0000e-005	7.8400e-003	2.0700e-003	4.0000e-005	2.1100e-003	0.0000	5.9843	5.9843	1.7000e-004	1.7000e-004	6.0397

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0615	0.0000	1.0615	0.5455	0.0000	0.5455	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1436	1.4863	0.9852	2.0600e-003		0.0684	0.0684		0.0629	0.0629	0.0000	180.6338	180.6338	0.0584	0.0000	182.0943
Total	0.1436	1.4863	0.9852	2.0600e-003	1.0615	0.0684	1.1299	0.5455	0.0629	0.6084	0.0000	180.6338	180.6338	0.0584	0.0000	182.0943

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-003	2.2500e-003	0.0257	8.0000e-005	9.3600e-003	5.0000e-005	9.4000e-003	2.4900e-003	4.0000e-005	2.5300e-003	0.0000	7.1812	7.1812	2.0000e-004	2.1000e-004	7.2477
Total	3.1000e-003	2.2500e-003	0.0257	8.0000e-005	9.3600e-003	5.0000e-005	9.4000e-003	2.4900e-003	4.0000e-005	2.5300e-003	0.0000	7.1812	7.1812	2.0000e-004	2.1000e-004	7.2477

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4140	0.0000	0.4140	0.2128	0.0000	0.2128	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0503	1.0295	1.2398	2.0600e-003		0.0511	0.0511		0.0511	0.0511	0.0000	180.6336	180.6336	0.0584	0.0000	182.0941
Total	0.0503	1.0295	1.2398	2.0600e-003	0.4140	0.0511	0.4651	0.2128	0.0511	0.2639	0.0000	180.6336	180.6336	0.0584	0.0000	182.0941

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-003	2.2500e-003	0.0257	8.0000e-005	9.3600e-003	5.0000e-005	9.4000e-003	2.4900e-003	4.0000e-005	2.5300e-003	0.0000	7.1812	7.1812	2.0000e-004	2.1000e-004	7.2477
Total	3.1000e-003	2.2500e-003	0.0257	8.0000e-005	9.3600e-003	5.0000e-005	9.4000e-003	2.4900e-003	4.0000e-005	2.5300e-003	0.0000	7.1812	7.1812	2.0000e-004	2.1000e-004	7.2477

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5982	0.0000	0.5982	0.2375	0.0000	0.2375	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2159	2.2435	1.8233	4.0400e-003		0.0926	0.0926		0.0852	0.0852	0.0000	354.4789	354.4789	0.1147	0.0000	357.3450
Total	0.2159	2.2435	1.8233	4.0400e-003	0.5982	0.0926	0.6908	0.2375	0.0852	0.3227	0.0000	354.4789	354.4789	0.1147	0.0000	357.3450

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1400e-003	3.0200e-003	0.0343	1.0000e-004	0.0125	6.0000e-005	0.0126	3.3300e-003	6.0000e-005	3.3800e-003	0.0000	9.6045	9.6045	2.7000e-004	2.8000e-004	9.6934
Total	4.1400e-003	3.0200e-003	0.0343	1.0000e-004	0.0125	6.0000e-005	0.0126	3.3300e-003	6.0000e-005	3.3800e-003	0.0000	9.6045	9.6045	2.7000e-004	2.8000e-004	9.6934

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2333	0.0000	0.2333	0.0926	0.0000	0.0926	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0990	1.9486	2.3870	4.0400e-003		0.0845	0.0845		0.0845	0.0845	0.0000	354.4784	354.4784	0.1147	0.0000	357.3446
Total	0.0990	1.9486	2.3870	4.0400e-003	0.2333	0.0845	0.3178	0.0926	0.0845	0.1771	0.0000	354.4784	354.4784	0.1147	0.0000	357.3446

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1400e-003	3.0200e-003	0.0343	1.0000e-004	0.0125	6.0000e-005	0.0126	3.3300e-003	6.0000e-005	3.3800e-003	0.0000	9.6045	9.6045	2.7000e-004	2.8000e-004	9.6934
Total	4.1400e-003	3.0200e-003	0.0343	1.0000e-004	0.0125	6.0000e-005	0.0126	3.3300e-003	6.0000e-005	3.3800e-003	0.0000	9.6045	9.6045	2.7000e-004	2.8000e-004	9.6934

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
Total	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0919	3.2926	1.0562	0.0119	0.3693	0.0187	0.3880	0.1067	0.0179	0.1246	0.0000	1,153.7636	1,153.7636	0.0263	0.1694	1,204.9115
Worker	0.7587	0.5229	6.2113	0.0198	2.4366	0.0114	2.4479	0.6475	0.0105	0.6580	0.0000	1,811.2471	1,811.2471	0.0475	0.0499	1,827.3081
Total	0.8506	3.8154	7.2675	0.0316	2.8059	0.0301	2.8359	0.7543	0.0284	0.7826	0.0000	2,965.0107	2,965.0107	0.0739	0.2193	3,032.2196

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0883	1.8636	2.3415	3.5300e-003		0.1184	0.1184		0.1184	0.1184	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	0.0883	1.8636	2.3415	3.5300e-003		0.1184	0.1184		0.1184	0.1184	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0919	3.2926	1.0562	0.0119	0.3693	0.0187	0.3880	0.1067	0.0179	0.1246	0.0000	1,153.7636	1,153.7636	0.0263	0.1694	1,204.9115
Worker	0.7587	0.5229	6.2113	0.0198	2.4366	0.0114	2.4479	0.6475	0.0105	0.6580	0.0000	1,811.2471	1,811.2471	0.0475	0.0499	1,827.3081
Total	0.8506	3.8154	7.2675	0.0316	2.8059	0.0301	2.8359	0.7543	0.0284	0.7826	0.0000	2,965.0107	2,965.0107	0.0739	0.2193	3,032.2196

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0886	3.2104	1.0362	0.0116	0.3680	0.0182	0.3862	0.1063	0.0174	0.1238	0.0000	1,129.4572	1,129.4572	0.0267	0.1657	1,179.5104
Worker	0.7143	0.4676	5.7816	0.0190	2.4273	0.0108	2.4380	0.6451	9.9300e-003	0.6550	0.0000	1,745.6926	1,745.6926	0.0431	0.0465	1,760.6171
Total	0.8029	3.6779	6.8178	0.0306	2.7952	0.0290	2.8242	0.7514	0.0273	0.7787	0.0000	2,875.1499	2,875.1499	0.0698	0.2122	2,940.1275

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0879	1.8565	2.3325	3.5200e-003		0.1179	0.1179		0.1179	0.1179	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.0879	1.8565	2.3325	3.5200e-003		0.1179	0.1179		0.1179	0.1179	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0886	3.2104	1.0362	0.0116	0.3680	0.0182	0.3862	0.1063	0.0174	0.1238	0.0000	1,129.4572	1,129.4572	0.0267	0.1657	1,179.5104
Worker	0.7143	0.4676	5.7816	0.0190	2.4273	0.0108	2.4380	0.6451	9.9300e-003	0.6550	0.0000	1,745.6926	1,745.6926	0.0431	0.0465	1,760.6171
Total	0.8029	3.6779	6.8178	0.0306	2.7952	0.0290	2.8242	0.7514	0.0273	0.7787	0.0000	2,875.1499	2,875.1499	0.0698	0.2122	2,940.1275

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0859	3.1408	1.0240	0.0114	0.3680	0.0177	0.3857	0.1064	0.0169	0.1233	0.0000	1,109.2139	1,109.2139	0.0270	0.1626	1,158.3539
Worker	0.6783	0.4235	5.4390	0.0185	2.4273	0.0102	2.4375	0.6451	9.4400e-003	0.6545	0.0000	1,692.4994	1,692.4994	0.0395	0.0437	1,706.5207
Total	0.7642	3.5643	6.4630	0.0298	2.7953	0.0280	2.8232	0.7514	0.0264	0.7778	0.0000	2,801.7132	2,801.7132	0.0665	0.2064	2,864.8746

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0879	1.8565	2.3325	3.5200e-003		0.1179	0.1179		0.1179	0.1179	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.0879	1.8565	2.3325	3.5200e-003		0.1179	0.1179		0.1179	0.1179	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0859	3.1408	1.0240	0.0114	0.3680	0.0177	0.3857	0.1064	0.0169	0.1233	0.0000	1,109.2139	1,109.2139	0.0270	0.1626	1,158.3539
Worker	0.6783	0.4235	5.4390	0.0185	2.4273	0.0102	2.4375	0.6451	9.4400e-003	0.6545	0.0000	1,692.4994	1,692.4994	0.0395	0.0437	1,706.5207
Total	0.7642	3.5643	6.4630	0.0298	2.7953	0.0280	2.8232	0.7514	0.0264	0.7778	0.0000	2,801.7132	2,801.7132	0.0665	0.2064	2,864.8746

Dana Reserve Residential - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0836	3.0750	1.0141	0.0112	0.3680	0.0173	0.3853	0.1064	0.0165	0.1229	0.0000	1,087.3725	1,087.3725	0.0274	0.1593	1,135.5413
Worker	0.6445	0.3861	5.1429	0.0179	2.4273	9.6500e-003	2.4369	0.6451	8.8800e-003	0.6539	0.0000	1,643.4835	1,643.4835	0.0362	0.0414	1,656.7361
Total	0.7281	3.4611	6.1570	0.0291	2.7953	0.0269	2.8222	0.7514	0.0254	0.7768	0.0000	2,730.8560	2,730.8560	0.0636	0.2008	2,792.2774

Dana Reserve Residential - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0879	1.8565	2.3325	3.5200e-003		0.1179	0.1179		0.1179	0.1179	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.0879	1.8565	2.3325	3.5200e-003		0.1179	0.1179		0.1179	0.1179	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0836	3.0750	1.0141	0.0112	0.3680	0.0173	0.3853	0.1064	0.0165	0.1229	0.0000	1,087.3725	1,087.3725	0.0274	0.1593	1,135.5413
Worker	0.6445	0.3861	5.1429	0.0179	2.4273	9.6500e-003	2.4369	0.6451	8.8800e-003	0.6539	0.0000	1,643.4835	1,643.4835	0.0362	0.0414	1,656.7361
Total	0.7281	3.4611	6.1570	0.0291	2.7953	0.0269	2.8222	0.7514	0.0254	0.7768	0.0000	2,730.8560	2,730.8560	0.0636	0.2008	2,792.2774

Dana Reserve Residential - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671
Total	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0812	3.0067	1.0029	0.0109	0.3667	0.0168	0.3834	0.1060	0.0160	0.1220	0.0000	1,062.4357	1,062.4357	0.0277	0.1556	1,109.4942
Worker	0.6090	0.3532	4.8750	0.0174	2.4180	9.0100e-003	2.4270	0.6426	8.2900e-003	0.6509	0.0000	1,592.7999	1,592.7999	0.0333	0.0393	1,605.3528
Total	0.6901	3.3598	5.8779	0.0283	2.7846	0.0258	2.8104	0.7486	0.0243	0.7729	0.0000	2,655.2356	2,655.2356	0.0610	0.1949	2,714.8470

Dana Reserve Residential - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0876	1.8494	2.3236	3.5000e-003		0.1175	0.1175		0.1175	0.1175	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667
Total	0.0876	1.8494	2.3236	3.5000e-003		0.1175	0.1175		0.1175	0.1175	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0812	3.0067	1.0029	0.0109	0.3667	0.0168	0.3834	0.1060	0.0160	0.1220	0.0000	1,062.4357	1,062.4357	0.0277	0.1556	1,109.4942
Worker	0.6090	0.3532	4.8750	0.0174	2.4180	9.0100e-003	2.4270	0.6426	8.2900e-003	0.6509	0.0000	1,592.7999	1,592.7999	0.0333	0.0393	1,605.3528
Total	0.6901	3.3598	5.8779	0.0283	2.7846	0.0258	2.8104	0.7486	0.0243	0.7729	0.0000	2,655.2356	2,655.2356	0.0610	0.1949	2,714.8470

Dana Reserve Residential - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0794	2.9598	1.0001	0.0107	0.3681	0.0164	0.3845	0.1064	0.0157	0.1221	0.0000	1,045.3580	1,045.3580	0.0282	0.1530	1,091.6554
Worker	0.5790	0.3276	4.6745	0.0170	2.4273	8.4700e-003	2.4357	0.6451	7.8000e-003	0.6528	0.0000	1,558.5193	1,558.5193	0.0310	0.0378	1,570.5626
Total	0.6584	3.2874	5.6746	0.0277	2.7954	0.0249	2.8202	0.7515	0.0235	0.7749	0.0000	2,603.8773	2,603.8773	0.0592	0.1908	2,662.2180

Dana Reserve Residential - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0879	1.8565	2.3325	3.5200e-003		0.1179	0.1179		0.1179	0.1179	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.0879	1.8565	2.3325	3.5200e-003		0.1179	0.1179		0.1179	0.1179	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0794	2.9598	1.0001	0.0107	0.3681	0.0164	0.3845	0.1064	0.0157	0.1221	0.0000	1,045.3580	1,045.3580	0.0282	0.1530	1,091.6554
Worker	0.5790	0.3276	4.6745	0.0170	2.4273	8.4700e-003	2.4357	0.6451	7.8000e-003	0.6528	0.0000	1,558.5193	1,558.5193	0.0310	0.0378	1,570.5626
Total	0.6584	3.2874	5.6746	0.0277	2.7954	0.0249	2.8202	0.7515	0.0235	0.7749	0.0000	2,603.8773	2,603.8773	0.0592	0.1908	2,662.2180

Dana Reserve Residential - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1564	0.9482	1.9308	3.7000e-003		0.0177	0.0177		0.0177	0.0177	0.0000	314.1189	314.1189	0.0126	0.0000	314.4340
Total	0.1564	0.9482	1.9308	3.7000e-003		0.0177	0.0177		0.0177	0.0177	0.0000	314.1189	314.1189	0.0126	0.0000	314.4340

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0712	2.6689	0.9123	9.6200e-003	0.3371	0.0147	0.3518	0.0974	0.0141	0.1115	0.0000	940.0739	940.0739	0.0261	0.1375	981.7110
Worker	0.5016	0.2788	4.1091	0.0152	2.2227	7.2500e-003	2.2299	0.5907	6.6800e-003	0.5974	0.0000	1,393.7854	1,393.7854	0.0263	0.0333	1,404.3761
Total	0.5729	2.9477	5.0214	0.0248	2.5598	0.0220	2.5817	0.6881	0.0207	0.7089	0.0000	2,333.8593	2,333.8593	0.0525	0.1709	2,386.0871

Dana Reserve Residential - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0805	1.7000	2.1359	3.7000e-003		0.1080	0.1080		0.1080	0.1080	0.0000	314.1185	314.1185	0.0126	0.0000	314.4336
Total	0.0805	1.7000	2.1359	3.7000e-003		0.1080	0.1080		0.1080	0.1080	0.0000	314.1185	314.1185	0.0126	0.0000	314.4336

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0712	2.6689	0.9123	9.6200e-003	0.3371	0.0147	0.3518	0.0974	0.0141	0.1115	0.0000	940.0739	940.0739	0.0261	0.1375	981.7110
Worker	0.5016	0.2788	4.1091	0.0152	2.2227	7.2500e-003	2.2299	0.5907	6.6800e-003	0.5974	0.0000	1,393.7854	1,393.7854	0.0263	0.0333	1,404.3761
Total	0.5729	2.9477	5.0214	0.0248	2.5598	0.0220	2.5817	0.6881	0.0207	0.7089	0.0000	2,333.8593	2,333.8593	0.0525	0.1709	2,386.0871

Dana Reserve Residential - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.1069					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0197	0.1329	0.1973	3.2000e-004		6.6400e-003	6.6400e-003		6.6400e-003	6.6400e-003	0.0000	27.8305	27.8305	1.5700e-003	0.0000	27.8696
Total	4.1266	0.1329	0.1973	3.2000e-004		6.6400e-003	6.6400e-003		6.6400e-003	6.6400e-003	0.0000	27.8305	27.8305	1.5700e-003	0.0000	27.8696

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1261	0.0869	1.0326	3.2800e-003	0.4051	1.8900e-003	0.4069	0.1076	1.7400e-003	0.1094	0.0000	301.1016	301.1016	7.9000e-003	8.3000e-003	303.7716
Total	0.1261	0.0869	1.0326	3.2800e-003	0.4051	1.8900e-003	0.4069	0.1076	1.7400e-003	0.1094	0.0000	301.1016	301.1016	7.9000e-003	8.3000e-003	303.7716

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.1069					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.4800e-003	0.1479	0.1997	3.2000e-004		0.0104	0.0104		0.0104	0.0104	0.0000	27.8304	27.8304	1.5700e-003	0.0000	27.8696
Total	4.1134	0.1479	0.1997	3.2000e-004		0.0104	0.0104		0.0104	0.0104	0.0000	27.8304	27.8304	1.5700e-003	0.0000	27.8696

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1261	0.0869	1.0326	3.2800e-003	0.4051	1.8900e-003	0.4069	0.1076	1.7400e-003	0.1094	0.0000	301.1016	301.1016	7.9000e-003	8.3000e-003	303.7716
Total	0.1261	0.0869	1.0326	3.2800e-003	0.4051	1.8900e-003	0.4069	0.1076	1.7400e-003	0.1094	0.0000	301.1016	301.1016	7.9000e-003	8.3000e-003	303.7716

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.9170					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
Total	4.9393	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1427	0.0934	1.1551	3.8000e-003	0.4850	2.1500e-003	0.4871	0.1289	1.9800e-003	0.1309	0.0000	348.7771	348.7771	8.6100e-003	9.2800e-003	351.7589
Total	0.1427	0.0934	1.1551	3.8000e-003	0.4850	2.1500e-003	0.4871	0.1289	1.9800e-003	0.1309	0.0000	348.7771	348.7771	8.6100e-003	9.2800e-003	351.7589

Dana Reserve Residential - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.9170					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7600e-003	0.1771	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
Total	4.9248	0.1771	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1427	0.0934	1.1551	3.8000e-003	0.4850	2.1500e-003	0.4871	0.1289	1.9800e-003	0.1309	0.0000	348.7771	348.7771	8.6100e-003	9.2800e-003	351.7589
Total	0.1427	0.0934	1.1551	3.8000e-003	0.4850	2.1500e-003	0.4871	0.1289	1.9800e-003	0.1309	0.0000	348.7771	348.7771	8.6100e-003	9.2800e-003	351.7589

Dana Reserve Residential - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.9170					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
Total	4.9393	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1355	0.0846	1.0867	3.6900e-003	0.4850	2.0500e-003	0.4870	0.1289	1.8900e-003	0.1308	0.0000	338.1495	338.1495	7.8800e-003	8.7400e-003	340.9508
Total	0.1355	0.0846	1.0867	3.6900e-003	0.4850	2.0500e-003	0.4870	0.1289	1.8900e-003	0.1308	0.0000	338.1495	338.1495	7.8800e-003	8.7400e-003	340.9508

Dana Reserve Residential - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.9170					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7600e-003	0.1771	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
Total	4.9248	0.1771	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1355	0.0846	1.0867	3.6900e-003	0.4850	2.0500e-003	0.4870	0.1289	1.8900e-003	0.1308	0.0000	338.1495	338.1495	7.8800e-003	8.7400e-003	340.9508
Total	0.1355	0.0846	1.0867	3.6900e-003	0.4850	2.0500e-003	0.4870	0.1289	1.8900e-003	0.1308	0.0000	338.1495	338.1495	7.8800e-003	8.7400e-003	340.9508

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.9170					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
Total	4.9393	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1288	0.0771	1.0275	3.5800e-003	0.4850	1.9300e-003	0.4869	0.1289	1.7700e-003	0.1307	0.0000	328.3564	328.3564	7.2400e-003	8.2800e-003	331.0042
Total	0.1288	0.0771	1.0275	3.5800e-003	0.4850	1.9300e-003	0.4869	0.1289	1.7700e-003	0.1307	0.0000	328.3564	328.3564	7.2400e-003	8.2800e-003	331.0042

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.9170					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7600e-003	0.1771	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
Total	4.9248	0.1771	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1288	0.0771	1.0275	3.5800e-003	0.4850	1.9300e-003	0.4869	0.1289	1.7700e-003	0.1307	0.0000	328.3564	328.3564	7.2400e-003	8.2800e-003	331.0042
Total	0.1288	0.0771	1.0275	3.5800e-003	0.4850	1.9300e-003	0.4869	0.1289	1.7700e-003	0.1307	0.0000	328.3564	328.3564	7.2400e-003	8.2800e-003	331.0042

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.8982					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0222	0.1489	0.2352	3.9000e-004		6.7000e-003	6.7000e-003		6.7000e-003	6.7000e-003	0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2376
Total	4.9204	0.1489	0.2352	3.9000e-004		6.7000e-003	6.7000e-003		6.7000e-003	6.7000e-003	0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2376

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1217	0.0706	0.9740	3.4700e-003	0.4831	1.8000e-003	0.4849	0.1284	1.6600e-003	0.1300	0.0000	318.2302	318.2302	6.6600e-003	7.8600e-003	320.7382
Total	0.1217	0.0706	0.9740	3.4700e-003	0.4831	1.8000e-003	0.4849	0.1284	1.6600e-003	0.1300	0.0000	318.2302	318.2302	6.6600e-003	7.8600e-003	320.7382

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.8982					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7300e-003	0.1764	0.2382	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2375
Total	4.9059	0.1764	0.2382	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2375

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1217	0.0706	0.9740	3.4700e-003	0.4831	1.8000e-003	0.4849	0.1284	1.6600e-003	0.1300	0.0000	318.2302	318.2302	6.6600e-003	7.8600e-003	320.7382
Total	0.1217	0.0706	0.9740	3.4700e-003	0.4831	1.8000e-003	0.4849	0.1284	1.6600e-003	0.1300	0.0000	318.2302	318.2302	6.6600e-003	7.8600e-003	320.7382

Dana Reserve Residential - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.9170					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
Total	4.9393	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1157	0.0655	0.9339	3.4000e-003	0.4850	1.6900e-003	0.4866	0.1289	1.5600e-003	0.1304	0.0000	311.3812	311.3812	6.1900e-003	7.5600e-003	313.7874
Total	0.1157	0.0655	0.9339	3.4000e-003	0.4850	1.6900e-003	0.4866	0.1289	1.5600e-003	0.1304	0.0000	311.3812	311.3812	6.1900e-003	7.5600e-003	313.7874

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.9170					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7600e-003	0.1771	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
Total	4.9248	0.1771	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1157	0.0655	0.9339	3.4000e-003	0.4850	1.6900e-003	0.4866	0.1289	1.5600e-003	0.1304	0.0000	311.3812	311.3812	6.1900e-003	7.5600e-003	313.7874
Total	0.1157	0.0655	0.9339	3.4000e-003	0.4850	1.6900e-003	0.4866	0.1289	1.5600e-003	0.1304	0.0000	311.3812	311.3812	6.1900e-003	7.5600e-003	313.7874

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.9170					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0171	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3537
Total	4.9341	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3537

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1094	0.0608	0.8965	3.3200e-003	0.4850	1.5800e-003	0.4865	0.1289	1.4600e-003	0.1303	0.0000	304.1016	304.1016	5.7500e-003	7.2700e-003	306.4123
Total	0.1094	0.0608	0.8965	3.3200e-003	0.4850	1.5800e-003	0.4865	0.1289	1.4600e-003	0.1303	0.0000	304.1016	304.1016	5.7500e-003	7.2700e-003	306.4123

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.9170					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7600e-003	0.1771	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3536
Total	4.9248	0.1771	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3536

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1094	0.0608	0.8965	3.3200e-003	0.4850	1.5800e-003	0.4865	0.1289	1.4600e-003	0.1303	0.0000	304.1016	304.1016	5.7500e-003	7.2700e-003	306.4123
Total	0.1094	0.0608	0.8965	3.3200e-003	0.4850	1.5800e-003	0.4865	0.1289	1.4600e-003	0.1303	0.0000	304.1016	304.1016	5.7500e-003	7.2700e-003	306.4123

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Paving - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1523	0.7832	1.7435	3.0900e-003		0.0364	0.0364		0.0364	0.0364	0.0000	265.0947	265.0947	0.0124	0.0000	265.4054
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1523	0.7832	1.7435	3.0900e-003		0.0364	0.0364		0.0364	0.0364	0.0000	265.0947	265.0947	0.0124	0.0000	265.4054

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5800e-003	1.9900e-003	0.0294	1.1000e-004	0.0159	5.0000e-005	0.0159	4.2200e-003	5.0000e-005	4.2700e-003	0.0000	9.9610	9.9610	1.9000e-004	2.4000e-004	10.0367
Total	3.5800e-003	1.9900e-003	0.0294	1.1000e-004	0.0159	5.0000e-005	0.0159	4.2200e-003	5.0000e-005	4.2700e-003	0.0000	9.9610	9.9610	1.9000e-004	2.4000e-004	10.0367

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Paving - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0617	1.2425	1.9025	3.0900e-003		0.0670	0.0670		0.0670	0.0670	0.0000	265.0944	265.0944	0.0124	0.0000	265.4050
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0617	1.2425	1.9025	3.0900e-003		0.0670	0.0670		0.0670	0.0670	0.0000	265.0944	265.0944	0.0124	0.0000	265.4050

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5800e-003	1.9900e-003	0.0294	1.1000e-004	0.0159	5.0000e-005	0.0159	4.2200e-003	5.0000e-005	4.2700e-003	0.0000	9.9610	9.9610	1.9000e-004	2.4000e-004	10.0367
Total	3.5800e-003	1.9900e-003	0.0294	1.1000e-004	0.0159	5.0000e-005	0.0159	4.2200e-003	5.0000e-005	4.2700e-003	0.0000	9.9610	9.9610	1.9000e-004	2.4000e-004	10.0367

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

- Increase Density
- Improve Walkability Design
- Improve Destination Accessibility
- Increase Transit Accessibility
- Integrate Below Market Rate Housing
- Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.5130	5.0786	39.2286	0.0780	9.8445	0.0613	9.9058	2.6280	0.0575	2.6854	0.0000	7,192.3880	7,192.3880	0.4786	0.3676	7,313.9056
Unmitigated	4.8999	5.8138	44.5722	0.0919	11.6679	0.0715	11.7393	3.1147	0.0670	3.1817	0.0000	8,480.9403	8,480.9403	0.5330	0.4179	8,618.7956

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	4,575.00	4,965.40	3836.90	11,859,256	10,005,989
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	7,313.74	7,946.82	7322.07	19,406,808	16,374,071
Total	11,888.74	12,912.22	11,158.97	31,266,064	26,380,060

4.3 Trip Type Information

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	13.00	5.00	5.00	35.80	21.00	43.20	90	6	4
Other Non-Asphalt Surfaces	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Single Family Housing	13.00	5.00	5.00	35.80	21.00	43.20	90	6	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.519871	0.059133	0.199493	0.135447	0.028418	0.007565	0.008311	0.005882	0.000876	0.000344	0.029338	0.000768	0.004554
Other Non-Asphalt Surfaces	0.519871	0.059133	0.199493	0.135447	0.028418	0.007565	0.008311	0.005882	0.000876	0.000344	0.029338	0.000768	0.004554
Single Family Housing	0.519871	0.059133	0.199493	0.135447	0.028418	0.007565	0.008311	0.005882	0.000876	0.000344	0.029338	0.000768	0.004554

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

Percent of Electricity Use Generated with Renewable Energy

Install Energy Efficient Appliances

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	118.3131	118.3131	0.0190	1.9900e-003	119.3814
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	484.3693	484.3693	0.0776	8.1700e-003	488.7426
NaturalGas Mitigated	0.1521	1.2995	0.5530	8.2900e-003		0.1051	0.1051		0.1051	0.1051	0.0000	1,504.9532	1,504.9532	0.0288	0.0276	1,513.8964
NaturalGas Unmitigated	0.1521	1.2995	0.5530	8.2900e-003		0.1051	0.1051		0.1051	0.1051	0.0000	1,504.9532	1,504.9532	0.0288	0.0276	1,513.8964

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	6.01935e+006	0.0325	0.2774	0.1180	1.7700e-003		0.0224	0.0224		0.0224	0.0224	0.0000	321.2155	321.2155	6.1600e-003	5.8900e-003	323.1244
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	2.21824e+007	0.1196	1.0221	0.4350	6.5200e-003		0.0826	0.0826		0.0826	0.0826	0.0000	1,183.7377	1,183.7377	0.0227	0.0217	1,190.7721
Total		0.1521	1.2995	0.5530	8.2900e-003		0.1051	0.1051		0.1051	0.1051	0.0000	1,504.9532	1,504.9532	0.0289	0.0276	1,513.8964

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	6.01935e+006	0.0325	0.2774	0.1180	1.7700e-003		0.0224	0.0224		0.0224	0.0224	0.0000	321.2155	321.2155	6.1600e-003	5.8900e-003	323.1244
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	2.21824e+007	0.1196	1.0221	0.4350	6.5200e-003		0.0826	0.0826		0.0826	0.0826	0.0000	1,183.7377	1,183.7377	0.0227	0.0217	1,190.7721
Total		0.1521	1.2995	0.5530	8.2900e-003		0.1051	0.1051		0.1051	0.1051	0.0000	1,504.9532	1,504.9532	0.0289	0.0276	1,513.8964

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	2.47722e+006	133.2869	0.0214	2.2500e-003	134.4904
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	6.52507e+006	351.0823	0.0562	5.9200e-003	354.2522
Total		484.3693	0.0776	8.1700e-003	488.7426

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	602660	32.4262	5.1900e-003	5.5000e-004	32.7190
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.59626e+006	85.8869	0.0138	1.4500e-003	86.6624
Total		118.3131	0.0190	2.0000e-003	119.3814

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	9.6397	0.2259	19.5922	1.0400e-003		0.1089	0.1089		0.1089	0.1089	0.0000	32.0885	32.0885	0.0306	0.0000	32.8529
Unmitigated	9.6397	0.2259	19.5922	1.0400e-003		0.1089	0.1089		0.1089	0.1089	0.0000	32.0885	32.0885	0.0306	0.0000	32.8529

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.6600					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	8.3937					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.5861	0.2259	19.5922	1.0400e-003		0.1089	0.1089		0.1089	0.1089	0.0000	32.0885	32.0885	0.0306	0.0000	32.8529
Total	9.6397	0.2259	19.5922	1.0400e-003		0.1089	0.1089		0.1089	0.1089	0.0000	32.0885	32.0885	0.0306	0.0000	32.8529

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.6600					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	8.3937					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.5861	0.2259	19.5922	1.0400e-003		0.1089	0.1089		0.1089	0.1089	0.0000	32.0885	32.0885	0.0306	0.0000	32.8529
Total	9.6397	0.2259	19.5922	1.0400e-003		0.1089	0.1089		0.1089	0.1089	0.0000	32.0885	32.0885	0.0306	0.0000	32.8529

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	56.2406	2.4560	0.0584	135.0492
Unmitigated	68.3614	3.0697	0.0730	166.8546

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	39.744 / 25.056	28.8985	1.2977	0.0309	70.5345
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	54.2733 / 34.2158	39.4630	1.7721	0.0421	96.3201
Total		68.3614	3.0697	0.0730	166.8546

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	31.7952 / 23.5276	23.7746	1.0382	0.0247	57.0894
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	43.4186 / 32.1286	32.4660	1.4178	0.0337	77.9598
Total		56.2406	2.4560	0.0584	135.0492

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Dana Reserve Residential - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	127.6022	7.5411	0.0000	316.1289
Unmitigated	255.2043	15.0821	0.0000	632.2579

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	280.6	56.9593	3.3662	0.0000	141.1142
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	976.62	198.2450	11.7160	0.0000	491.1437
Total		255.2043	15.0822	0.0000	632.2579

Dana Reserve Residential - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	140.3	28.4796	1.6831	0.0000	70.5571
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	488.31	99.1225	5.8580	0.0000	245.5718
Total		127.6022	7.5411	0.0000	316.1289

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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Dana Reserve Residential - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

11.0 Vegetation

Dana Reserve Residential 2030 operational - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Dana Reserve Residential 2030 operational

San Luis Obispo County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	610.00	Dwelling Unit	23.50	610,000.00	1745
Single Family Housing	833.00	Dwelling Unit	149.50	1,499,400.00	2382

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	127.09	CH4 Intensity (lb/MWhr)	0.021	N2O Intensity (lb/MWhr)	0.002

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Utility Intensity Factor based on renewable portfolio standards for PG&E for the year of 2030.

Land Use - Apartment Low Rise land use also includes 152 accessory dwelling units (ADU's) as per the traffic report. Lot acreage based on specific plan.

Construction Phase - Construction phasing is based on the anticipated building schedule for Dana Reserve.

Off-road Equipment - Defaults

Off-road Equipment - Defaults

Off-road Equipment - Defaults

Off-road Equipment - Defaults

Off-road Equipment - Defaults

Off-road Equipment - Defaults

Trips and VMT - defaults

Demolition - No structures are currently on the project site.

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading - Defaults

Vehicle Trips - Trip gen for Weekday and sunday is based on traffic report, sat was left default. Trip length was also left as default. Trip type was based on traffic report.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Use low VOC paint (50g/L)

Construction Off-road Equipment Mitigation - Soil stabilizers, Water exposed areas, and use tier 3 engines.

Mobile Land Use Mitigation - 75 Units will be affordable.

Area Mitigation - Use Low VOC Paints

Energy Mitigation - Based on average residential solar systems production and residential usage 75% of electricity generated will be from residential solar. Use energy efficient appliances.

Water Mitigation - Install low flow fixtures and irrigation.

Waste Mitigation -

Fleet Mix - Default

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	150	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	220.00	1,516.00
tblConstructionPhase	NumDays	3,100.00	1,545.00
tblConstructionPhase	NumDays	200.00	108.00
tblConstructionPhase	NumDays	310.00	130.00
tblConstructionPhase	NumDays	120.00	108.00
tblLandUse	LotAcreage	38.13	23.50
tblLandUse	LotAcreage	270.45	149.50

Dana Reserve Residential 2030 operational - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblProjectCharacteristics	CH4IntensityFactor	0.033	0.021
tblProjectCharacteristics	CO2IntensityFactor	203.98	127.09
tblProjectCharacteristics	N2OIntensityFactor	0.004	0.002
tblVehicleTrips	DV_TP	11.00	6.00
tblVehicleTrips	DV_TP	11.00	6.00
tblVehicleTrips	PB_TP	3.00	4.00
tblVehicleTrips	PB_TP	3.00	4.00
tblVehicleTrips	PR_TP	86.00	90.00
tblVehicleTrips	PR_TP	86.00	90.00
tblVehicleTrips	SU_TR	6.28	6.29
tblVehicleTrips	SU_TR	8.55	8.79
tblVehicleTrips	WD_TR	7.32	7.50
tblVehicleTrips	WD_TR	9.44	8.78

2.0 Emissions Summary

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	5.0327	49.0775	38.7850	0.0797	19.9833	2.2651	22.2484	10.1890	2.0942	12.2831	0.0000	7,712.7857	7,712.7857	2.2491	7.2000e-003	7,771.1582
2024	47.9940	22.3663	42.3297	0.1241	9.4846	0.7494	10.2340	2.5319	0.7083	3.2402	0.0000	12,497.0987	12,497.0987	0.8498	0.5335	12,677.3346
2025	47.7278	21.0215	40.7225	0.1214	9.4847	0.6515	10.1362	2.5319	0.6157	3.1476	0.0000	12,219.8450	12,219.8450	0.8310	0.5154	12,394.2053
2026	47.5950	20.7534	39.4432	0.1188	9.4848	0.6487	10.1335	2.5319	0.6131	3.1451	0.0000	11,963.1798	11,963.1798	0.8181	0.4991	12,132.3550
2027	47.4712	20.5134	38.3418	0.1165	9.4849	0.6458	10.1306	2.5320	0.6104	3.1423	0.0000	11,720.1163	11,720.1163	0.8069	0.4838	11,884.4705
2028	47.3507	20.3086	37.4177	0.1143	9.4849	0.6428	10.1278	2.5320	0.6076	3.1396	0.0000	11,497.1677	11,497.1677	0.7974	0.4702	11,657.2129
2029	48.1823	28.7146	51.4697	0.1361	9.6333	1.0590	10.6923	2.5713	0.9905	3.5618	0.0000	13,602.9703	13,602.9703	1.5047	0.4598	13,777.5994
Maximum	48.1823	49.0775	51.4697	0.1361	19.9833	2.2651	22.2484	10.1890	2.0942	12.2831	0.0000	13,602.9703	13,602.9703	2.2491	0.5335	13,777.5994

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	52.3088	1.3688	118.7347	6.2900e-003		0.6602	0.6602		0.6602	0.6602	0.0000	214.3610	214.3610	0.2042	0.0000	219.4668
Energy	0.8333	7.1205	3.0300	0.0455		0.5757	0.5757		0.5757	0.5757		9,090.0109	9,090.0109	0.1742	0.1667	9,144.0283
Mobile	31.8517	34.5189	265.4441	0.5761	71.2545	0.4554	71.7098	18.9843	0.4272	19.4115		58,583.5875	58,583.5875	3.4565	2.7168	59,479.5931
Total	84.9937	43.0082	387.2088	0.6278	71.2545	1.6913	72.9458	18.9843	1.6631	20.6474	0.0000	67,887.9593	67,887.9593	3.8349	2.8834	68,843.0881

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	52.3088	1.3688	118.7347	6.2900e-003		0.6602	0.6602		0.6602	0.6602	0.0000	214.3610	214.3610	0.2042	0.0000	219.4668
Energy	0.8333	7.1205	3.0300	0.0455		0.5757	0.5757		0.5757	0.5757		9,090.0109	9,090.0109	0.1742	0.1667	9,144.0283
Mobile	29.2216	29.5200	227.7898	0.4765	58.6039	0.3817	58.9856	15.6138	0.3580	15.9718		48,459.6870	48,459.6870	3.0433	2.3426	49,233.8685
Total	82.3636	38.0093	349.5545	0.5282	58.6039	1.6177	60.2215	15.6138	1.5939	17.2077	0.0000	57,764.0588	57,764.0588	3.4218	2.5093	58,597.3635

Dana Reserve Residential 2030 operational - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	3.09	11.62	9.72	15.86	17.75	4.35	17.44	17.75	4.16	16.66	0.00	14.91	14.91	10.77	12.98	14.88

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/2/2023	5/31/2023	5	108	
2	Site Preparation	Site Preparation	2/1/2023	6/30/2023	5	108	
3	Grading	Grading	7/3/2023	12/29/2023	5	130	
4	Building Construction	Building Construction	1/1/2024	11/30/2029	5	1545	
5	Architectural Coating	Architectural Coating	3/1/2024	12/21/2029	5	1516	
6	Paving	Paving	2/1/2029	12/5/2029	5	220	

Acres of Grading (Site Preparation Phase): 162

Acres of Grading (Grading Phase): 390

Acres of Paving: 0

Residential Indoor: 4,271,535; Residential Outdoor: 1,423,845; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

Dana Reserve Residential 2030 operational - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	739.00	154.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	148.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0474	0.0313	0.4079	1.2500e-003	0.1483	7.1000e-004	0.1490	0.0393	6.5000e-004	0.0400		126.5880	126.5880	3.2500e-003	3.2700e-003	127.6446
Total	0.0474	0.0313	0.4079	1.2500e-003	0.1483	7.1000e-004	0.1490	0.0393	6.5000e-004	0.0400		126.5880	126.5880	3.2500e-003	3.2700e-003	127.6446

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9246	18.3130	24.6739	0.0388		0.8627	0.8627		0.8627	0.8627	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	0.9246	18.3130	24.6739	0.0388		0.8627	0.8627		0.8627	0.8627	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0474	0.0313	0.4079	1.2500e-003	0.1483	7.1000e-004	0.1490	0.0393	6.5000e-004	0.0400		126.5880	126.5880	3.2500e-003	3.2700e-003	127.6446
Total	0.0474	0.0313	0.4079	1.2500e-003	0.1483	7.1000e-004	0.1490	0.0393	6.5000e-004	0.0400		126.5880	126.5880	3.2500e-003	3.2700e-003	127.6446

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672		3,687.308 1	3,687.308 1	1.1926		3,717.121 9

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0568	0.0376	0.4895	1.5000e-003	0.1780	8.5000e-004	0.1788	0.0472	7.8000e-004	0.0480		151.9056	151.9056	3.9000e-003	3.9300e-003	153.1735
Total	0.0568	0.0376	0.4895	1.5000e-003	0.1780	8.5000e-004	0.1788	0.0472	7.8000e-004	0.0480		151.9056	151.9056	3.9000e-003	3.9300e-003	153.1735

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			0.0000			0.0000
Off-Road	0.9312	19.0656	22.9600	0.0381		0.9462	0.9462		0.9462	0.9462	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	0.9312	19.0656	22.9600	0.0381	7.6662	0.9462	8.6124	3.9400	0.9462	4.8861	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0568	0.0376	0.4895	1.5000e-003	0.1780	8.5000e-004	0.1788	0.0472	7.8000e-004	0.0480		151.9056	151.9056	3.9000e-003	3.9300e-003	153.1735
Total	0.0568	0.0376	0.4895	1.5000e-003	0.1780	8.5000e-004	0.1788	0.0472	7.8000e-004	0.0480		151.9056	151.9056	3.9000e-003	3.9300e-003	153.1735

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	3.3217	34.5156	28.0512	0.0621	9.2036	1.4245	10.6281	3.6538	1.3105	4.9643		6,011.4777	6,011.4777	1.9442		6,060.0836

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0632	0.0418	0.5438	1.6700e-003	0.1977	9.5000e-004	0.1987	0.0524	8.7000e-004	0.0533		168.7840	168.7840	4.3300e-003	4.3600e-003	170.1928
Total	0.0632	0.0418	0.5438	1.6700e-003	0.1977	9.5000e-004	0.1987	0.0524	8.7000e-004	0.0533		168.7840	168.7840	4.3300e-003	4.3600e-003	170.1928

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.5894	0.0000	3.5894	1.4250	0.0000	1.4250			0.0000			0.0000
Off-Road	1.5231	29.9782	36.7226	0.0621		1.2994	1.2994		1.2994	1.2994	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	1.5231	29.9782	36.7226	0.0621	3.5894	1.2994	4.8888	1.4250	1.2994	2.7244	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0632	0.0418	0.5438	1.6700e-003	0.1977	9.5000e-004	0.1987	0.0524	8.7000e-004	0.0533		168.7840	168.7840	4.3300e-003	4.3600e-003	170.1928
Total	0.0632	0.0418	0.5438	1.6700e-003	0.1977	9.5000e-004	0.1987	0.0524	8.7000e-004	0.0533		168.7840	168.7840	4.3300e-003	4.3600e-003	170.1928

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1767	6.0529	1.9635	0.0225	0.7156	0.0354	0.7510	0.2062	0.0338	0.2400		2,409.7022	2,409.7022	0.0552	0.3536	2,516.4571
Worker	2.1933	1.3754	18.6535	0.0598	7.3059	0.0331	7.3390	1.9377	0.0305	1.9682		6,040.5123	6,040.5123	0.1453	0.1499	6,088.8148
Total	2.3700	7.4283	20.6170	0.0822	8.0215	0.0685	8.0900	2.1438	0.0644	2.2082		8,450.2145	8,450.2145	0.2005	0.5035	8,605.2718

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1767	6.0529	1.9635	0.0225	0.7156	0.0354	0.7510	0.2062	0.0338	0.2400		2,409.7022	2,409.7022	0.0552	0.3536	2,516.4571
Worker	2.1933	1.3754	18.6535	0.0598	7.3059	0.0331	7.3390	1.9377	0.0305	1.9682		6,040.5123	6,040.5123	0.1453	0.1499	6,088.8148
Total	2.3700	7.4283	20.6170	0.0822	8.0215	0.0685	8.0900	2.1438	0.0644	2.2082		8,450.2145	8,450.2145	0.2005	0.5035	8,605.2718

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1712	5.9242	1.9334	0.0221	0.7157	0.0346	0.7503	0.2062	0.0331	0.2392		2,367.894 9	2,367.894 9	0.0561	0.3472	2,472.766 2
Worker	2.0711	1.2348	17.4088	0.0578	7.3059	0.0316	7.3374	1.9377	0.0291	1.9668		5,843.705 2	5,843.705 2	0.1321	0.1401	5,888.762 9
Total	2.2423	7.1590	19.3422	0.0799	8.0216	0.0661	8.0877	2.1438	0.0622	2.2060		8,211.600 0	8,211.600 0	0.1882	0.4873	8,361.529 1

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1712	5.9242	1.9334	0.0221	0.7157	0.0346	0.7503	0.2062	0.0331	0.2392		2,367.894 9	2,367.894 9	0.0561	0.3472	2,472.766 2
Worker	2.0711	1.2348	17.4088	0.0578	7.3059	0.0316	7.3374	1.9377	0.0291	1.9668		5,843.705 2	5,843.705 2	0.1321	0.1401	5,888.762 9
Total	2.2423	7.1590	19.3422	0.0799	8.0216	0.0661	8.0877	2.1438	0.0622	2.2060		8,211.600 0	8,211.600 0	0.1882	0.4873	8,361.529 1

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1662	5.7956	1.9107	0.0217	0.7158	0.0336	0.7494	0.2062	0.0322	0.2384		2,325.383 5	2,325.383 5	0.0569	0.3407	2,428.342 1
Worker	1.9646	1.1186	16.3619	0.0560	7.3059	0.0300	7.3359	1.9377	0.0277	1.9653		5,665.283 9	5,665.283 9	0.1207	0.1319	5,707.615 3
Total	2.1308	6.9142	18.2726	0.0777	8.0216	0.0637	8.0853	2.1439	0.0598	2.2037		7,990.667 4	7,990.667 4	0.1776	0.4727	8,135.957 4

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1662	5.7956	1.9107	0.0217	0.7158	0.0336	0.7494	0.2062	0.0322	0.2384		2,325.383 5	2,325.383 5	0.0569	0.3407	2,428.342 1
Worker	1.9646	1.1186	16.3619	0.0560	7.3059	0.0300	7.3359	1.9377	0.0277	1.9653		5,665.283 9	5,665.283 9	0.1207	0.1319	5,707.615 3
Total	2.1308	6.9142	18.2726	0.0777	8.0216	0.0637	8.0853	2.1439	0.0598	2.2037		7,990.667 4	7,990.667 4	0.1776	0.4727	8,135.957 4

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1619	5.6741	1.8924	0.0212	0.7159	0.0328	0.7486	0.2062	0.0313	0.2376		2,279.528 1	2,279.528 1	0.0576	0.3338	2,380.451 5
Worker	1.8651	1.0199	15.4595	0.0544	7.3059	0.0283	7.3341	1.9377	0.0260	1.9637		5,500.980 9	5,500.980 9	0.1108	0.1250	5,540.991 2
Total	2.0269	6.6940	17.3519	0.0756	8.0217	0.0610	8.0827	2.1439	0.0574	2.2013		7,780.509 0	7,780.509 0	0.1684	0.4588	7,921.442 7

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1619	5.6741	1.8924	0.0212	0.7159	0.0328	0.7486	0.2062	0.0313	0.2376		2,279.528 1	2,279.528 1	0.0576	0.3338	2,380.451 5
Worker	1.8651	1.0199	15.4595	0.0544	7.3059	0.0283	7.3341	1.9377	0.0260	1.9637		5,500.980 9	5,500.980 9	0.1108	0.1250	5,540.991 2
Total	2.0269	6.6940	17.3519	0.0756	8.0217	0.0610	8.0827	2.1439	0.0574	2.2013		7,780.509 0	7,780.509 0	0.1684	0.4588	7,921.442 7

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1579	5.5691	1.8788	0.0208	0.7159	0.0320	0.7479	0.2063	0.0306	0.2368		2,235.760 6	2,235.760 6	0.0585	0.3272	2,334.736 6
Worker	1.7679	0.9367	14.7009	0.0529	7.3059	0.0265	7.3324	1.9377	0.0244	1.9621		5,351.696 9	5,351.696 9	0.1022	0.1191	5,389.739 8
Total	1.9259	6.5058	16.5797	0.0737	8.0218	0.0585	8.0802	2.1439	0.0550	2.1989		7,587.457 5	7,587.457 5	0.1607	0.4463	7,724.476 4

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1579	5.5691	1.8788	0.0208	0.7159	0.0320	0.7479	0.2063	0.0306	0.2368		2,235.760 6	2,235.760 6	0.0585	0.3272	2,334.736 6
Worker	1.7679	0.9367	14.7009	0.0529	7.3059	0.0265	7.3324	1.9377	0.0244	1.9621		5,351.696 9	5,351.696 9	0.1022	0.1191	5,389.739 8
Total	1.9259	6.5058	16.5797	0.0737	8.0218	0.0585	8.0802	2.1439	0.0550	2.1989		7,587.457 5	7,587.457 5	0.1607	0.4463	7,724.476 4

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1542	5.4611	1.8665	0.0204	0.7160	0.0312	0.7471	0.2063	0.0298	0.2361		2,191.339 9	2,191.339 9	0.0594	0.3205	2,288.340 8
Worker	1.6732	0.8657	14.0357	0.0516	7.3059	0.0248	7.3307	1.9377	0.0229	1.9605		5,216.392 0	5,216.392 0	0.0945	0.1141	5,252.750 4
Total	1.8274	6.3268	15.9021	0.0720	8.0218	0.0560	8.0778	2.1439	0.0526	2.1966		7,407.731 9	7,407.731 9	0.1539	0.4346	7,541.091 2

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1542	5.4611	1.8665	0.0204	0.7160	0.0312	0.7471	0.2063	0.0298	0.2361		2,191.339 9	2,191.339 9	0.0594	0.3205	2,288.340 8
Worker	1.6732	0.8657	14.0357	0.0516	7.3059	0.0248	7.3307	1.9377	0.0229	1.9605		5,216.392 0	5,216.392 0	0.0945	0.1141	5,252.750 4
Total	1.8274	6.3268	15.9021	0.0720	8.0218	0.0560	8.0778	2.1439	0.0526	2.1966		7,407.731 9	7,407.731 9	0.1539	0.4346	7,541.091 2

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.5325					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	43.7132	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4393	0.2754	3.7358	0.0120	1.4632	6.6400e-003	1.4698	0.3881	6.1200e-003	0.3942		1,209.7372	1,209.7372	0.0291	0.0300	1,219.4108
Total	0.4393	0.2754	3.7358	0.0120	1.4632	6.6400e-003	1.4698	0.3881	6.1200e-003	0.3942		1,209.7372	1,209.7372	0.0291	0.0300	1,219.4108

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.5325					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.8443
Total	43.5919	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4393	0.2754	3.7358	0.0120	1.4632	6.6400e-003	1.4698	0.3881	6.1200e-003	0.3942		1,209.7372	1,209.7372	0.0291	0.0300	1,219.4108
Total	0.4393	0.2754	3.7358	0.0120	1.4632	6.6400e-003	1.4698	0.3881	6.1200e-003	0.3942		1,209.7372	1,209.7372	0.0291	0.0300	1,219.4108

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.5325					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	43.7033	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4148	0.2473	3.4865	0.0116	1.4632	6.3300e-003	1.4695	0.3881	5.8300e-003	0.3939		1,170.3226	1,170.3226	0.0265	0.0281	1,179.3463
Total	0.4148	0.2473	3.4865	0.0116	1.4632	6.3300e-003	1.4695	0.3881	5.8300e-003	0.3939		1,170.3226	1,170.3226	0.0265	0.0281	1,179.3463

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.5325					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	43.5919	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4148	0.2473	3.4865	0.0116	1.4632	6.3300e-003	1.4695	0.3881	5.8300e-003	0.3939		1,170.3226	1,170.3226	0.0265	0.0281	1,179.3463
Total	0.4148	0.2473	3.4865	0.0116	1.4632	6.3300e-003	1.4695	0.3881	5.8300e-003	0.3939		1,170.3226	1,170.3226	0.0265	0.0281	1,179.3463

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.5325					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	43.7033	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3935	0.2240	3.2768	0.0112	1.4632	6.0100e-003	1.4692	0.3881	5.5400e-003	0.3936		1,134.5900	1,134.5900	0.0242	0.0264	1,143.0677
Total	0.3935	0.2240	3.2768	0.0112	1.4632	6.0100e-003	1.4692	0.3881	5.5400e-003	0.3936		1,134.5900	1,134.5900	0.0242	0.0264	1,143.0677

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.5325					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	43.5919	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3935	0.2240	3.2768	0.0112	1.4632	6.0100e-003	1.4692	0.3881	5.5400e-003	0.3936		1,134.5900	1,134.5900	0.0242	0.0264	1,143.0677
Total	0.3935	0.2240	3.2768	0.0112	1.4632	6.0100e-003	1.4692	0.3881	5.5400e-003	0.3936		1,134.5900	1,134.5900	0.0242	0.0264	1,143.0677

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.5325					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	43.7033	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3735	0.2043	3.0961	0.0109	1.4632	5.6600e-003	1.4688	0.3881	5.2100e-003	0.3933		1,101.6849	1,101.6849	0.0222	0.0250	1,109.6978
Total	0.3735	0.2043	3.0961	0.0109	1.4632	5.6600e-003	1.4688	0.3881	5.2100e-003	0.3933		1,101.6849	1,101.6849	0.0222	0.0250	1,109.6978

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.5325					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	43.5919	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3735	0.2043	3.0961	0.0109	1.4632	5.6600e-003	1.4688	0.3881	5.2100e-003	0.3933		1,101.6849	1,101.6849	0.0222	0.0250	1,109.6978
Total	0.3735	0.2043	3.0961	0.0109	1.4632	5.6600e-003	1.4688	0.3881	5.2100e-003	0.3933		1,101.6849	1,101.6849	0.0222	0.0250	1,109.6978

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.5325					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	43.7033	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3541	0.1876	2.9442	0.0106	1.4632	5.3100e-003	1.4685	0.3881	4.8900e-003	0.3929		1,071.7877	1,071.7877	0.0205	0.0239	1,079.4066
Total	0.3541	0.1876	2.9442	0.0106	1.4632	5.3100e-003	1.4685	0.3881	4.8900e-003	0.3929		1,071.7877	1,071.7877	0.0205	0.0239	1,079.4066

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.5325					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	43.5919	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3541	0.1876	2.9442	0.0106	1.4632	5.3100e-003	1.4685	0.3881	4.8900e-003	0.3929		1,071.7877	1,071.7877	0.0205	0.0239	1,079.4066
Total	0.3541	0.1876	2.9442	0.0106	1.4632	5.3100e-003	1.4685	0.3881	4.8900e-003	0.3929		1,071.7877	1,071.7877	0.0205	0.0239	1,079.4066

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.5325					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	43.7033	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3351	0.1734	2.8109	0.0103	1.4632	4.9700e-003	1.4681	0.3881	4.5800e-003	0.3926		1,044.6901	1,044.6901	0.0189	0.0229	1,051.9717
Total	0.3351	0.1734	2.8109	0.0103	1.4632	4.9700e-003	1.4681	0.3881	4.5800e-003	0.3926		1,044.6901	1,044.6901	0.0189	0.0229	1,051.9717

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.5325					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	43.5919	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3351	0.1734	2.8109	0.0103	1.4632	4.9700e-003	1.4681	0.3881	4.5800e-003	0.3926		1,044.6901	1,044.6901	0.0189	0.0229	1,051.9717
Total	0.3351	0.1734	2.8109	0.0103	1.4632	4.9700e-003	1.4681	0.3881	4.5800e-003	0.3926		1,044.6901	1,044.6901	0.0189	0.0229	1,051.9717

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Paving - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0340	0.0176	0.2849	1.0500e-003	0.1483	5.0000e-004	0.1488	0.0393	4.6000e-004	0.0398		105.8808	105.8808	1.9200e-003	2.3200e-003	106.6188
Total	0.0340	0.0176	0.2849	1.0500e-003	0.1483	5.0000e-004	0.1488	0.0393	4.6000e-004	0.0398		105.8808	105.8808	1.9200e-003	2.3200e-003	106.6188

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Paving - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5609	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0340	0.0176	0.2849	1.0500e-003	0.1483	5.0000e-004	0.1488	0.0393	4.6000e-004	0.0398		105.8808	105.8808	1.9200e-003	2.3200e-003	106.6188
Total	0.0340	0.0176	0.2849	1.0500e-003	0.1483	5.0000e-004	0.1488	0.0393	4.6000e-004	0.0398		105.8808	105.8808	1.9200e-003	2.3200e-003	106.6188

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

- Increase Density
- Improve Walkability Design
- Improve Destination Accessibility
- Increase Transit Accessibility
- Integrate Below Market Rate Housing
- Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	29.2216	29.5200	227.7898	0.4765	58.6039	0.3817	58.9856	15.6138	0.3580	15.9718		48,459.6870	48,459.6870	3.0433	2.3426	49,233.8685
Unmitigated	31.8517	34.5189	265.4441	0.5761	71.2545	0.4554	71.7098	18.9843	0.4272	19.4115		58,583.5875	58,583.5875	3.4565	2.7168	59,479.5931

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartment Low Rise	4,575.00	4,965.40	3836.90	11,859,256	9,753,755
Single Family Housing	7,313.74	7,946.82	7322.07	19,406,808	15,961,308
Total	11,888.74	12,912.22	11,158.97	31,266,064	25,715,062

4.3 Trip Type Information

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	13.00	5.00	5.00	35.80	21.00	43.20	90	6	4
Single Family Housing	13.00	5.00	5.00	35.80	21.00	43.20	90	6	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.516135	0.058853	0.199929	0.136792	0.029532	0.007795	0.008341	0.005917	0.000885	0.000346	0.029869	0.000792	0.004814
Single Family Housing	0.516135	0.058853	0.199929	0.136792	0.029532	0.007795	0.008341	0.005917	0.000885	0.000346	0.029869	0.000792	0.004814

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

Percent of Electricity Use Generated with Renewable Energy

Install Energy Efficient Appliances

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
NaturalGas Mitigated	0.8333	7.1205	3.0300	0.0455		0.5757	0.5757		0.5757	0.5757		9,090.0109	9,090.0109	0.1742	0.1667	9,144.0283
NaturalGas Unmitigated	0.8333	7.1205	3.0300	0.0455		0.5757	0.5757		0.5757	0.5757		9,090.0109	9,090.0109	0.1742	0.1667	9,144.0283

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	16491.4	0.1779	1.5198	0.6467	9.7000e-003		0.1229	0.1229		0.1229	0.1229		1,940.1618	1,940.1618	0.0372	0.0356	1,951.6912
Single Family Housing	60773.7	0.6554	5.6007	2.3833	0.0358		0.4528	0.4528		0.4528	0.4528		7,149.8491	7,149.8491	0.1370	0.1311	7,192.3371
Total		0.8333	7.1205	3.0300	0.0455		0.5757	0.5757		0.5757	0.5757		9,090.0109	9,090.0109	0.1742	0.1667	9,144.0283

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	16.4914	0.1779	1.5198	0.6467	9.7000e-003		0.1229	0.1229		0.1229	0.1229		1,940.1618	1,940.1618	0.0372	0.0356	1,951.6912
Single Family Housing	60.7737	0.6554	5.6007	2.3833	0.0358		0.4528	0.4528		0.4528	0.4528		7,149.8491	7,149.8491	0.1370	0.1311	7,192.3371
Total		0.8333	7.1205	3.0300	0.0455		0.5757	0.5757		0.5757	0.5757		9,090.0109	9,090.0109	0.1742	0.1667	9,144.0283

6.0 Area Detail

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	52.3088	1.3688	118.7347	6.2900e-003		0.6602	0.6602		0.6602	0.6602	0.0000	214.3610	214.3610	0.2042	0.0000	219.4668
Unmitigated	52.3088	1.3688	118.7347	6.2900e-003		0.6602	0.6602		0.6602	0.6602	0.0000	214.3610	214.3610	0.2042	0.0000	219.4668

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.6162					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	45.1412					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.5514	1.3688	118.7347	6.2900e-003		0.6602	0.6602		0.6602	0.6602		214.3610	214.3610	0.2042		219.4668
Total	52.3088	1.3688	118.7347	6.2900e-003		0.6602	0.6602		0.6602	0.6602	0.0000	214.3610	214.3610	0.2042	0.0000	219.4668

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.6162					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	45.1412					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.5514	1.3688	118.7347	6.2900e-003		0.6602	0.6602		0.6602	0.6602		214.3610	214.3610	0.2042		219.4668
Total	52.3088	1.3688	118.7347	6.2900e-003		0.6602	0.6602		0.6602	0.6602	0.0000	214.3610	214.3610	0.2042	0.0000	219.4668

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Dana Reserve Residential
San Luis Obispo County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	55.20	Acre	55.20	2,404,512.00	0
Apartments Low Rise	610.00	Dwelling Unit	23.50	610,000.00	1745
Single Family Housing	833.00	Dwelling Unit	149.50	1,499,400.00	2382

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2031
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	118.62	CH4 Intensity (lb/MWhr)	0.019	N2O Intensity (lb/MWhr)	0.002

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Utility Intensity Factor based on renewable portfolio standards for PG&E for the year of 2031.

Land Use - Apartment Low Rise land use also includes 152 accessory dwelling units (ADU's) as per the traffic report. Lot acreage based on specific plan, other non-asphalt surfaces is included to account for grading of entire project.

Construction Phase - Construction phasing is based on the anticipated building schedule for Dana Reserve.

Off-road Equipment - Defaults

Off-road Equipment - Defaults

Off-road Equipment - Defaults

Off-road Equipment - Defaults

Off-road Equipment - Defaults

Off-road Equipment - Defaults

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT - defaults

Demolition - No structures are currently on the project site.

Grading - Defaults

Architectural Coating -

Vehicle Trips - Trip gen for Weekday and Sunday is based on traffic report, Sat was left default. Trip length was also left as default. Trip type was based on traffic report.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Use low VOC paint (50g/L)

Construction Off-road Equipment Mitigation - Soil stabilizers, Water exposed areas, and use tier 3 engines.

Mobile Land Use Mitigation - 75 units will be "affordable"

Area Mitigation - Use Low VOC Paints

Energy Mitigation - Based on average residential solar systems production and residential usage 75% of electricity generated will be from residential solar. Use energy efficient appliances.

Water Mitigation - Install low flow fixtures and irrigation.

Waste Mitigation -

Fleet Mix - Default

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	144,271.00	170,407.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	150	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblAreaCoating	Area_Parking	144271	0
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	330.00	1,783.00
tblConstructionPhase	NumDays	4,650.00	1,805.00

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDays	300.00	108.00
tblConstructionPhase	NumDays	465.00	130.00
tblConstructionPhase	NumDays	330.00	220.00
tblConstructionPhase	NumDays	180.00	108.00
tblLandUse	LotAcreage	38.13	23.50
tblLandUse	LotAcreage	270.45	149.50
tblProjectCharacteristics	CH4IntensityFactor	0.033	0.019
tblProjectCharacteristics	CO2IntensityFactor	203.98	118.62
tblProjectCharacteristics	N2OIntensityFactor	0.004	0.002
tblTripsAndVMT	VendorTripNumber	548.00	620.00
tblTripsAndVMT	WorkerTripNumber	1,749.00	1,932.00
tblTripsAndVMT	WorkerTripNumber	350.00	386.00
tblVehicleTrips	DV_TP	11.00	6.00
tblVehicleTrips	DV_TP	11.00	6.00
tblVehicleTrips	PB_TP	3.00	4.00
tblVehicleTrips	PB_TP	3.00	4.00
tblVehicleTrips	PR_TP	86.00	90.00
tblVehicleTrips	PR_TP	86.00	90.00
tblVehicleTrips	SU_TR	6.28	6.29
tblVehicleTrips	SU_TR	8.55	8.79
tblVehicleTrips	WD_TR	7.32	7.50
tblVehicleTrips	WD_TR	9.44	8.78

2.0 Emissions Summary

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	5.0327	49.0775	38.7850	0.0797	19.9833	2.2651	22.2484	10.1890	2.0942	12.2831	0.0000	7,712.7857	7,712.7857	2.2491	7.2000e-003	7,771.1582
2024	46.9214	43.3454	84.3917	0.3078	25.7971	0.9206	26.7177	6.9077	0.8698	7.7776	0.0000	31,485.6462	31,485.6462	1.2982	1.8938	32,082.4525
2025	46.4018	41.3390	80.2834	0.3001	25.7974	0.8173	26.6147	6.9079	0.7721	7.6800	0.0000	30,700.7872	30,700.7872	1.2565	1.8374	31,279.7352
2026	46.0479	40.4570	76.9082	0.2929	25.7977	0.8087	26.6064	6.9080	0.7641	7.6720	0.0000	29,969.9886	29,969.9886	1.2241	1.7856	30,532.6844
2027	45.7181	39.6580	74.0040	0.2860	25.7980	0.7997	26.5977	6.9081	0.7556	7.6637	0.0000	29,270.0115	29,270.0115	1.1958	1.7360	29,817.2333
2028	45.3976	38.9744	71.5698	0.2797	25.7983	0.7909	26.5892	6.9082	0.7474	7.6556	0.0000	28,625.5500	28,625.5500	1.1723	1.6909	29,158.7601
2029	45.0853	38.3169	69.4334	0.2737	25.7986	0.7823	26.5809	6.9083	0.7394	7.6477	0.0000	28,022.3062	28,022.3062	1.1517	1.6483	28,542.2814
2030	46.1049	40.1010	83.8064	0.3015	25.9471	0.6951	26.6422	6.9477	0.6840	7.6316	0.0000	30,582.3561	30,582.3561	0.7707	1.6134	31,082.4270
Maximum	46.9214	49.0775	84.3917	0.3078	25.9471	2.2651	26.7177	10.1890	2.0942	12.2831	0.0000	31,485.6462	31,485.6462	2.2491	1.8938	32,082.4525

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	53.1610	1.3688	118.7403	6.2900e-003		0.6602	0.6602		0.6602	0.6602	0.0000	214.3731	214.3731	0.2043	0.0000	219.4796
Energy	0.8333	7.1205	3.0300	0.0455		0.5757	0.5757		0.5757	0.5757		9,090.0109	9,090.0109	0.1742	0.1667	9,144.0283
Mobile	30.5107	32.4104	256.7215	0.5619	71.2354	0.4254	71.6608	18.9763	0.3989	19.3752		57,135.4171	57,135.4171	3.3253	2.6274	58,001.5058
Total	84.5049	40.8997	378.4918	0.6136	71.2354	1.6613	72.8968	18.9763	1.6348	20.6111	0.0000	66,439.8010	66,439.8010	3.7038	2.7940	67,365.0137

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	53.1610	1.3688	118.7403	6.2900e-003		0.6602	0.6602		0.6602	0.6602	0.0000	214.3731	214.3731	0.2043	0.0000	219.4796
Energy	0.8333	7.1205	3.0300	0.0455		0.5757	0.5757		0.5757	0.5757		9,090.0109	9,090.0109	0.1742	0.1667	9,144.0283
Mobile	28.2710	28.3071	224.7388	0.4764	60.1033	0.3649	60.4683	16.0108	0.3421	16.3529		48,445.0330	48,445.0330	2.9727	2.3097	49,207.6258
Total	82.2652	36.7964	346.5091	0.5281	60.1033	1.6009	61.7042	16.0108	1.5780	17.5888	0.0000	57,749.4169	57,749.4169	3.3512	2.4763	58,571.1337

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	2.65	10.03	8.45	13.93	15.63	3.64	15.35	15.63	3.47	14.66	0.00	13.08	13.08	9.52	11.37	13.05

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grubbing	Demolition	1/2/2023	5/31/2023	5	108	
2	Site Preparation	Site Preparation	2/1/2023	6/30/2023	5	108	
3	Grading	Grading	7/3/2023	12/29/2023	5	130	
4	Building Construction	Building Construction	1/1/2024	11/29/2030	5	1805	
5	Architectural Coating	Architectural Coating	3/1/2024	12/31/2030	5	1783	
6	Paving	Paving	2/1/2030	12/5/2030	5	220	

Acres of Grading (Site Preparation Phase): 162

Acres of Grading (Grading Phase): 390

Acres of Paving: 55.2

Residential Indoor: 4,271,535; Residential Outdoor: 1,423,845; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 170,407 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grubbing	Concrete/Industrial Saws	1	8.00	81	0.73
Grubbing	Excavators	3	8.00	158	0.38
Grubbing	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grubbing	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,932.00	620.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	386.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grubbing - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0474	0.0313	0.4079	1.2500e-003	0.1483	7.1000e-004	0.1490	0.0393	6.5000e-004	0.0400		126.5880	126.5880	3.2500e-003	3.2700e-003	127.6446
Total	0.0474	0.0313	0.4079	1.2500e-003	0.1483	7.1000e-004	0.1490	0.0393	6.5000e-004	0.0400		126.5880	126.5880	3.2500e-003	3.2700e-003	127.6446

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Grubbing - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9246	18.3130	24.6739	0.0388		0.8627	0.8627		0.8627	0.8627	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	0.9246	18.3130	24.6739	0.0388		0.8627	0.8627		0.8627	0.8627	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0474	0.0313	0.4079	1.2500e-003	0.1483	7.1000e-004	0.1490	0.0393	6.5000e-004	0.0400		126.5880	126.5880	3.2500e-003	3.2700e-003	127.6446
Total	0.0474	0.0313	0.4079	1.2500e-003	0.1483	7.1000e-004	0.1490	0.0393	6.5000e-004	0.0400		126.5880	126.5880	3.2500e-003	3.2700e-003	127.6446

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672		3,687.308 1	3,687.308 1	1.1926		3,717.121 9

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0568	0.0376	0.4895	1.5000e-003	0.1780	8.5000e-004	0.1788	0.0472	7.8000e-004	0.0480		151.9056	151.9056	3.9000e-003	3.9300e-003	153.1735
Total	0.0568	0.0376	0.4895	1.5000e-003	0.1780	8.5000e-004	0.1788	0.0472	7.8000e-004	0.0480		151.9056	151.9056	3.9000e-003	3.9300e-003	153.1735

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			0.0000			0.0000
Off-Road	0.9312	19.0656	22.9600	0.0381		0.9462	0.9462		0.9462	0.9462	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	0.9312	19.0656	22.9600	0.0381	7.6662	0.9462	8.6124	3.9400	0.9462	4.8861	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0568	0.0376	0.4895	1.5000e-003	0.1780	8.5000e-004	0.1788	0.0472	7.8000e-004	0.0480		151.9056	151.9056	3.9000e-003	3.9300e-003	153.1735
Total	0.0568	0.0376	0.4895	1.5000e-003	0.1780	8.5000e-004	0.1788	0.0472	7.8000e-004	0.0480		151.9056	151.9056	3.9000e-003	3.9300e-003	153.1735

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	3.3217	34.5156	28.0512	0.0621	9.2036	1.4245	10.6281	3.6538	1.3105	4.9643		6,011.4777	6,011.4777	1.9442		6,060.0836

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0632	0.0418	0.5438	1.6700e-003	0.1977	9.5000e-004	0.1987	0.0524	8.7000e-004	0.0533		168.7840	168.7840	4.3300e-003	4.3600e-003	170.1928
Total	0.0632	0.0418	0.5438	1.6700e-003	0.1977	9.5000e-004	0.1987	0.0524	8.7000e-004	0.0533		168.7840	168.7840	4.3300e-003	4.3600e-003	170.1928

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.5894	0.0000	3.5894	1.4250	0.0000	1.4250			0.0000			0.0000
Off-Road	1.5231	29.9782	36.7226	0.0621		1.2994	1.2994		1.2994	1.2994	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	1.5231	29.9782	36.7226	0.0621	3.5894	1.2994	4.8888	1.4250	1.2994	2.7244	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0632	0.0418	0.5438	1.6700e-003	0.1977	9.5000e-004	0.1987	0.0524	8.7000e-004	0.0533		168.7840	168.7840	4.3300e-003	4.3600e-003	170.1928
Total	0.0632	0.0418	0.5438	1.6700e-003	0.1977	9.5000e-004	0.1987	0.0524	8.7000e-004	0.0533		168.7840	168.7840	4.3300e-003	4.3600e-003	170.1928

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.7114	24.3688	7.9048	0.0905	2.8811	0.1424	3.0235	0.8299	0.1363	0.9662		9,701.3984	9,701.3984	0.2222	1.4236	10,131.1907
Worker	5.7340	3.5957	48.7667	0.1562	19.1000	0.0866	19.1866	5.0657	0.0798	5.1455		15,791.9754	15,791.9754	0.3798	0.3919	15,918.2546
Total	6.4454	27.9645	56.6715	0.2467	21.9811	0.2291	22.2101	5.8956	0.2161	6.1117		25,493.3737	25,493.3737	0.6021	1.8155	26,049.4454

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.7114	24.3688	7.9048	0.0905	2.8811	0.1424	3.0235	0.8299	0.1363	0.9662		9,701.3984	9,701.3984	0.2222	1.4236	10,131.1907
Worker	5.7340	3.5957	48.7667	0.1562	19.1000	0.0866	19.1866	5.0657	0.0798	5.1455		15,791.9754	15,791.9754	0.3798	0.3919	15,918.2546
Total	6.4454	27.9645	56.6715	0.2467	21.9811	0.2291	22.2101	5.8956	0.2161	6.1117		25,493.3737	25,493.3737	0.6021	1.8155	26,049.4454

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6893	23.8506	7.7839	0.0888	2.8814	0.1391	3.0205	0.8301	0.1331	0.9631		9,533.083 3	9,533.083 3	0.2257	1.3979	9,955.292 5
Worker	5.4145	3.2283	45.5126	0.1511	19.1000	0.0826	19.1826	5.0657	0.0761	5.1418		15,277.45 38	15,277.45 38	0.3455	0.3663	15,395.25 01
Total	6.1037	27.0789	53.2965	0.2399	21.9814	0.2217	22.2031	5.8958	0.2092	6.1049		24,810.53 71	24,810.53 71	0.5711	1.7642	25,350.54 26

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6893	23.8506	7.7839	0.0888	2.8814	0.1391	3.0205	0.8301	0.1331	0.9631		9,533.083 3	9,533.083 3	0.2257	1.3979	9,955.292 5
Worker	5.4145	3.2283	45.5126	0.1511	19.1000	0.0826	19.1826	5.0657	0.0761	5.1418		15,277.45 38	15,277.45 38	0.3455	0.3663	15,395.25 01
Total	6.1037	27.0789	53.2965	0.2399	21.9814	0.2217	22.2031	5.8958	0.2092	6.1049		24,810.53 71	24,810.53 71	0.5711	1.7642	25,350.54 26

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6693	23.3331	7.6925	0.0872	2.8817	0.1354	3.0171	0.8302	0.1295	0.9597		9,361.933 6	9,361.933 6	0.2290	1.3718	9,776.442 1
Worker	5.1361	2.9244	42.7756	0.1465	19.1000	0.0785	19.1785	5.0657	0.0723	5.1380		14,810.99 92	14,810.99 92	0.3157	0.3449	14,921.66 81
Total	5.8054	26.2575	50.4681	0.2337	21.9817	0.2139	22.1956	5.8959	0.2018	6.0977		24,172.93 28	24,172.93 28	0.5447	1.7166	24,698.11 02

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6693	23.3331	7.6925	0.0872	2.8817	0.1354	3.0171	0.8302	0.1295	0.9597		9,361.933 6	9,361.933 6	0.2290	1.3718	9,776.442 1
Worker	5.1361	2.9244	42.7756	0.1465	19.1000	0.0785	19.1785	5.0657	0.0723	5.1380		14,810.99 92	14,810.99 92	0.3157	0.3449	14,921.66 81
Total	5.8054	26.2575	50.4681	0.2337	21.9817	0.2139	22.1956	5.8959	0.2018	6.0977		24,172.93 28	24,172.93 28	0.5447	1.7166	24,698.11 02

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6517	22.8439	7.6187	0.0854	2.8820	0.1319	3.0139	0.8303	0.1262	0.9565		9,177.321 0	9,177.321 0	0.2320	1.3440	9,583.635 9
Worker	4.8759	2.6662	40.4165	0.1423	19.1000	0.0739	19.1739	5.0657	0.0681	5.1338		14,381.45 47	14,381.45 47	0.2897	0.3267	14,486.05 56
Total	5.5276	25.5101	48.0353	0.2276	21.9820	0.2058	22.1878	5.8960	0.1943	6.0902		23,558.77 57	23,558.77 57	0.5216	1.6707	24,069.69 14

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6517	22.8439	7.6187	0.0854	2.8820	0.1319	3.0139	0.8303	0.1262	0.9565		9,177.321 0	9,177.321 0	0.2320	1.3440	9,583.635 9
Worker	4.8759	2.6662	40.4165	0.1423	19.1000	0.0739	19.1739	5.0657	0.0681	5.1338		14,381.45 47	14,381.45 47	0.2897	0.3267	14,486.05 56
Total	5.5276	25.5101	48.0353	0.2276	21.9820	0.2058	22.1878	5.8960	0.1943	6.0902		23,558.77 57	23,558.77 57	0.5216	1.6707	24,069.69 14

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6359	22.4211	7.5641	0.0837	2.8823	0.1287	3.0110	0.8304	0.1231	0.9535		9,001.114 2	9,001.114 2	0.2355	1.3174	9,399.588 7
Worker	4.6220	2.4489	38.4332	0.1384	19.1000	0.0693	19.1693	5.0657	0.0638	5.1295		13,991.17 51	13,991.17 51	0.2671	0.3113	14,090.63 23
Total	5.2579	24.8699	45.9973	0.2221	21.9823	0.1980	22.1803	5.8961	0.1869	6.0830		22,992.28 93	22,992.28 93	0.5027	1.6287	23,490.22 11

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6359	22.4211	7.5641	0.0837	2.8823	0.1287	3.0110	0.8304	0.1231	0.9535		9,001.114 2	9,001.114 2	0.2355	1.3174	9,399.588 7
Worker	4.6220	2.4489	38.4332	0.1384	19.1000	0.0693	19.1693	5.0657	0.0638	5.1295		13,991.17 51	13,991.17 51	0.2671	0.3113	14,090.63 23
Total	5.2579	24.8699	45.9973	0.2221	21.9823	0.1980	22.1803	5.8961	0.1869	6.0830		22,992.28 93	22,992.28 93	0.5027	1.6287	23,490.22 11

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6206	21.9863	7.5143	0.0820	2.8825	0.1254	3.0079	0.8305	0.1199	0.9504		8,822.277 5	8,822.277 5	0.2390	1.2904	9,212.800 8
Worker	4.3744	2.2632	36.6941	0.1349	19.1000	0.0649	19.1649	5.0657	0.0597	5.1254		13,637.44 15	13,637.44 15	0.2471	0.2983	13,732.49 49
Total	4.9950	24.2495	44.2084	0.2169	21.9825	0.1903	22.1728	5.8962	0.1797	6.0759		22,459.71 90	22,459.71 90	0.4860	1.5887	22,945.29 57

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6206	21.9863	7.5143	0.0820	2.8825	0.1254	3.0079	0.8305	0.1199	0.9504		8,822.277 5	8,822.277 5	0.2390	1.2904	9,212.800 8
Worker	4.3744	2.2632	36.6941	0.1349	19.1000	0.0649	19.1649	5.0657	0.0597	5.1254		13,637.44 15	13,637.44 15	0.2471	0.2983	13,732.49 49
Total	4.9950	24.2495	44.2084	0.2169	21.9825	0.1903	22.1728	5.8962	0.1797	6.0759		22,459.71 90	22,459.71 90	0.4860	1.5887	22,945.29 57

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6084	21.6495	7.4863	0.0804	2.8827	0.1228	3.0055	0.8306	0.1174	0.9480		8,663.8558	8,663.8558	0.2418	1.2668	9,047.3947
Worker	4.1357	2.1037	35.2082	0.1318	19.1000	0.0607	19.1607	5.0657	0.0559	5.1216		13,318.6173	13,318.6173	0.2292	0.2871	13,409.8989
Total	4.7441	23.7532	42.6945	0.2122	21.9827	0.1835	22.1662	5.8963	0.1733	6.0695		21,982.4732	21,982.4732	0.4710	1.5539	22,457.2936

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0310		0.9036	0.9036		0.9036	0.9036	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	0.6739	14.2261	17.8738	0.0310		0.9036	0.9036		0.9036	0.9036	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6084	21.6495	7.4863	0.0804	2.8827	0.1228	3.0055	0.8306	0.1174	0.9480		8,663.8558	8,663.8558	0.2418	1.2668	9,047.3947
Worker	4.1357	2.1037	35.2082	0.1318	19.1000	0.0607	19.1607	5.0657	0.0559	5.1216		13,318.6173	13,318.6173	0.2292	0.2871	13,409.8989
Total	4.7441	23.7532	42.6945	0.2122	21.9827	0.1835	22.1662	5.8963	0.1733	6.0695		21,982.4732	21,982.4732	0.4710	1.5539	22,457.2936

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	37.6781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	37.8588	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1456	0.7184	9.7432	0.0312	3.8161	0.0173	3.8334	1.0121	0.0160	1.0280		3,155.1255	3,155.1255	0.0759	0.0783	3,180.3552
Total	1.1456	0.7184	9.7432	0.0312	3.8161	0.0173	3.8334	1.0121	0.0160	1.0280		3,155.1255	3,155.1255	0.0759	0.0783	3,180.3552

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	37.6781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.8443
Total	37.7375	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1456	0.7184	9.7432	0.0312	3.8161	0.0173	3.8334	1.0121	0.0160	1.0280		3,155.1255	3,155.1255	0.0759	0.0783	3,180.3552
Total	1.1456	0.7184	9.7432	0.0312	3.8161	0.0173	3.8334	1.0121	0.0160	1.0280		3,155.1255	3,155.1255	0.0759	0.0783	3,180.3552

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	37.6781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	37.8489	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0818	0.6450	9.0931	0.0302	3.8161	0.0165	3.8325	1.0121	0.0152	1.0273		3,052.3277	3,052.3277	0.0690	0.0732	3,075.8626
Total	1.0818	0.6450	9.0931	0.0302	3.8161	0.0165	3.8325	1.0121	0.0152	1.0273		3,052.3277	3,052.3277	0.0690	0.0732	3,075.8626

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	37.6781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	37.7375	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0818	0.6450	9.0931	0.0302	3.8161	0.0165	3.8325	1.0121	0.0152	1.0273		3,052.3277	3,052.3277	0.0690	0.0732	3,075.8626
Total	1.0818	0.6450	9.0931	0.0302	3.8161	0.0165	3.8325	1.0121	0.0152	1.0273		3,052.3277	3,052.3277	0.0690	0.0732	3,075.8626

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	37.6781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	37.8489	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0262	0.5843	8.5463	0.0293	3.8161	0.0157	3.8317	1.0121	0.0145	1.0265		2,959.1334	2,959.1334	0.0631	0.0689	2,981.2443
Total	1.0262	0.5843	8.5463	0.0293	3.8161	0.0157	3.8317	1.0121	0.0145	1.0265		2,959.1334	2,959.1334	0.0631	0.0689	2,981.2443

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	37.6781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	37.7375	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0262	0.5843	8.5463	0.0293	3.8161	0.0157	3.8317	1.0121	0.0145	1.0265		2,959.1334	2,959.1334	0.0631	0.0689	2,981.2443
Total	1.0262	0.5843	8.5463	0.0293	3.8161	0.0157	3.8317	1.0121	0.0145	1.0265		2,959.1334	2,959.1334	0.0631	0.0689	2,981.2443

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	37.6781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	37.8489	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.9742	0.5327	8.0749	0.0284	3.8161	0.0148	3.8308	1.0121	0.0136	1.0257		2,873.3134	2,873.3134	0.0579	0.0653	2,894.2119
Total	0.9742	0.5327	8.0749	0.0284	3.8161	0.0148	3.8308	1.0121	0.0136	1.0257		2,873.3134	2,873.3134	0.0579	0.0653	2,894.2119

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	37.6781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	37.7375	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.9742	0.5327	8.0749	0.0284	3.8161	0.0148	3.8308	1.0121	0.0136	1.0257		2,873.3134	2,873.3134	0.0579	0.0653	2,894.2119
Total	0.9742	0.5327	8.0749	0.0284	3.8161	0.0148	3.8308	1.0121	0.0136	1.0257		2,873.3134	2,873.3134	0.0579	0.0653	2,894.2119

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	37.6781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	37.8489	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.9234	0.4893	7.6787	0.0277	3.8161	0.0138	3.8299	1.0121	0.0127	1.0248		2,795.3383	2,795.3383	0.0534	0.0622	2,815.2092
Total	0.9234	0.4893	7.6787	0.0277	3.8161	0.0138	3.8299	1.0121	0.0127	1.0248		2,795.3383	2,795.3383	0.0534	0.0622	2,815.2092

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	37.6781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	37.7375	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.9234	0.4893	7.6787	0.0277	3.8161	0.0138	3.8299	1.0121	0.0127	1.0248		2,795.3383	2,795.3383	0.0534	0.0622	2,815.2092
Total	0.9234	0.4893	7.6787	0.0277	3.8161	0.0138	3.8299	1.0121	0.0127	1.0248		2,795.3383	2,795.3383	0.0534	0.0622	2,815.2092

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	37.6781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	37.8489	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.8740	0.4522	7.3312	0.0270	3.8161	0.0130	3.8290	1.0121	0.0119	1.0240		2,724.6648	2,724.6648	0.0494	0.0596	2,743.6558
Total	0.8740	0.4522	7.3312	0.0270	3.8161	0.0130	3.8290	1.0121	0.0119	1.0240		2,724.6648	2,724.6648	0.0494	0.0596	2,743.6558

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	37.6781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	37.7375	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.8740	0.4522	7.3312	0.0270	3.8161	0.0130	3.8290	1.0121	0.0119	1.0240		2,724.6648	2,724.6648	0.0494	0.0596	2,743.6558
Total	0.8740	0.4522	7.3312	0.0270	3.8161	0.0130	3.8290	1.0121	0.0119	1.0240		2,724.6648	2,724.6648	0.0494	0.0596	2,743.6558

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	37.6781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	37.8088	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.8263	0.4203	7.0344	0.0263	3.8161	0.0121	3.8282	1.0121	0.0112	1.0233		2,660.9660	2,660.9660	0.0458	0.0574	2,679.2034
Total	0.8263	0.4203	7.0344	0.0263	3.8161	0.0121	3.8282	1.0121	0.0112	1.0233		2,660.9660	2,660.9660	0.0458	0.0574	2,679.2034

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	37.6781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0114		281.7328
Total	37.7375	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0114		281.7328

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.8263	0.4203	7.0344	0.0263	3.8161	0.0121	3.8282	1.0121	0.0112	1.0233		2,660.9660	2,660.9660	0.0458	0.0574	2,679.2034
Total	0.8263	0.4203	7.0344	0.0263	3.8161	0.0121	3.8282	1.0121	0.0112	1.0233		2,660.9660	2,660.9660	0.0458	0.0574	2,679.2034

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Paving - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0321	0.0163	0.2734	1.0200e-003	0.1483	4.7000e-004	0.1488	0.0393	4.3000e-004	0.0398		103.4054	103.4054	1.7800e-003	2.2300e-003	104.1141
Total	0.0321	0.0163	0.2734	1.0200e-003	0.1483	4.7000e-004	0.1488	0.0393	4.3000e-004	0.0398		103.4054	103.4054	1.7800e-003	2.2300e-003	104.1141

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Paving - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0281		0.6093	0.6093		0.6093	0.6093	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5609	11.2952	17.2957	0.0281		0.6093	0.6093		0.6093	0.6093	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0321	0.0163	0.2734	1.0200e-003	0.1483	4.7000e-004	0.1488	0.0393	4.3000e-004	0.0398		103.4054	103.4054	1.7800e-003	2.2300e-003	104.1141
Total	0.0321	0.0163	0.2734	1.0200e-003	0.1483	4.7000e-004	0.1488	0.0393	4.3000e-004	0.0398		103.4054	103.4054	1.7800e-003	2.2300e-003	104.1141

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

- Increase Density
- Improve Walkability Design
- Improve Destination Accessibility
- Increase Transit Accessibility
- Integrate Below Market Rate Housing
- Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	28.2710	28.3071	224.7388	0.4764	60.1033	0.3649	60.4683	16.0108	0.3421	16.3529		48,445.03 30	48,445.03 30	2.9727	2.3097	49,207.62 58
Unmitigated	30.5107	32.4104	256.7215	0.5619	71.2354	0.4254	71.6608	18.9763	0.3989	19.3752		57,135.41 71	57,135.41 71	3.3253	2.6274	58,001.50 58

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	4,575.00	4,965.40	3836.90	11,859,256	10,005,989
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	7,313.74	7,946.82	7322.07	19,406,808	16,374,071
Total	11,888.74	12,912.22	11,158.97	31,266,064	26,380,060

4.3 Trip Type Information

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	13.00	5.00	5.00	35.80	21.00	43.20	90	6	4
Other Non-Asphalt Surfaces	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Single Family Housing	13.00	5.00	5.00	35.80	21.00	43.20	90	6	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.519871	0.059133	0.199493	0.135447	0.028418	0.007565	0.008311	0.005882	0.000876	0.000344	0.029338	0.000768	0.004554
Other Non-Asphalt Surfaces	0.519871	0.059133	0.199493	0.135447	0.028418	0.007565	0.008311	0.005882	0.000876	0.000344	0.029338	0.000768	0.004554
Single Family Housing	0.519871	0.059133	0.199493	0.135447	0.028418	0.007565	0.008311	0.005882	0.000876	0.000344	0.029338	0.000768	0.004554

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

Percent of Electricity Use Generated with Renewable Energy

Install Energy Efficient Appliances

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.8333	7.1205	3.0300	0.0455		0.5757	0.5757		0.5757	0.5757		9,090.0109	9,090.0109	0.1742	0.1667	9,144.0283
NaturalGas Unmitigated	0.8333	7.1205	3.0300	0.0455		0.5757	0.5757		0.5757	0.5757		9,090.0109	9,090.0109	0.1742	0.1667	9,144.0283

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	16491.4	0.1779	1.5198	0.6467	9.7000e-003		0.1229	0.1229		0.1229	0.1229		1,940.1618	1,940.1618	0.0372	0.0356	1,951.6912
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	60773.7	0.6554	5.6007	2.3833	0.0358		0.4528	0.4528		0.4528	0.4528		7,149.8491	7,149.8491	0.1370	0.1311	7,192.3371
Total		0.8333	7.1205	3.0300	0.0455		0.5757	0.5757		0.5757	0.5757		9,090.0109	9,090.0109	0.1742	0.1667	9,144.0283

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	16.4914	0.1779	1.5198	0.6467	9.7000e-003		0.1229	0.1229		0.1229	0.1229		1,940.1618	1,940.1618	0.0372	0.0356	1,951.6912
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	60.7737	0.6554	5.6007	2.3833	0.0358		0.4528	0.4528		0.4528	0.4528		7,149.8491	7,149.8491	0.1370	0.1311	7,192.3371
Total		0.8333	7.1205	3.0300	0.0455		0.5757	0.5757		0.5757	0.5757		9,090.0109	9,090.0109	0.1742	0.1667	9,144.0283

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	53.1610	1.3688	118.7403	6.2900e-003		0.6602	0.6602		0.6602	0.6602	0.0000	214.3731	214.3731	0.2043	0.0000	219.4796
Unmitigated	53.1610	1.3688	118.7403	6.2900e-003		0.6602	0.6602		0.6602	0.6602	0.0000	214.3731	214.3731	0.2043	0.0000	219.4796

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.6162					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	45.9928					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.5520	1.3688	118.7403	6.2900e-003		0.6602	0.6602		0.6602	0.6602		214.3731	214.3731	0.2043		219.4796
Total	53.1610	1.3688	118.7403	6.2900e-003		0.6602	0.6602		0.6602	0.6602	0.0000	214.3731	214.3731	0.2043	0.0000	219.4796

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.6162					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	45.9928					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.5520	1.3688	118.7403	6.2900e-003		0.6602	0.6602		0.6602	0.6602		214.3731	214.3731	0.2043		219.4796
Total	53.1610	1.3688	118.7403	6.2900e-003		0.6602	0.6602		0.6602	0.6602	0.0000	214.3731	214.3731	0.2043	0.0000	219.4796

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

Dana Reserve Residential - San Luis Obispo County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Dana Reserve Residential 2030 operational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Dana Reserve Residential 2030 operational
San Luis Obispo County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	610.00	Dwelling Unit	23.50	610,000.00	1745
Single Family Housing	833.00	Dwelling Unit	149.50	1,499,400.00	2382

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	127.09	CH4 Intensity (lb/MWhr)	0.021	N2O Intensity (lb/MWhr)	0.002

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Utility Intensity Factor based on renewable portfolio standards for PG&E for the year of 2030.

Land Use - Apartment Low Rise land use also includes 152 accessory dwelling units (ADU's) as per the traffic report. Lot acreage based on specific plan.

Construction Phase - Construction phasing is based on the anticipated building schedule for Dana Reserve.

Off-road Equipment - Defaults

Off-road Equipment - Defaults

Off-road Equipment - Defaults

Off-road Equipment - Defaults

Off-road Equipment - Defaults

Off-road Equipment - Defaults

Trips and VMT - defaults

Demolition - No structures are currently on the project site.

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading - Defaults

Vehicle Trips - Trip gen for Weekday and sunday is based on traffic report, sat was left default. Trip length was also left as default. Trip type was based on traffic report.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Use low VOC paint (50g/L)

Construction Off-road Equipment Mitigation - Soil stabilizers, Water exposed areas, and use tier 3 engines.

Mobile Land Use Mitigation - 75 Units will be affordable.

Area Mitigation - Use Low VOC Paints

Energy Mitigation - Based on average residential solar systems production and residential usage 75% of electricity generated will be from residential solar. Use energy efficient appliances.

Water Mitigation - Install low flow fixtures and irrigation.

Waste Mitigation -

Fleet Mix - Default

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	150	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Dana Reserve Residential 2030 operational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	220.00	1,516.00
tblConstructionPhase	NumDays	3,100.00	1,545.00
tblConstructionPhase	NumDays	200.00	108.00
tblConstructionPhase	NumDays	310.00	130.00
tblConstructionPhase	NumDays	120.00	108.00
tblLandUse	LotAcreage	38.13	23.50
tblLandUse	LotAcreage	270.45	149.50

Dana Reserve Residential 2030 operational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblProjectCharacteristics	CH4IntensityFactor	0.033	0.021
tblProjectCharacteristics	CO2IntensityFactor	203.98	127.09
tblProjectCharacteristics	N2OIntensityFactor	0.004	0.002
tblVehicleTrips	DV_TP	11.00	6.00
tblVehicleTrips	DV_TP	11.00	6.00
tblVehicleTrips	PB_TP	3.00	4.00
tblVehicleTrips	PB_TP	3.00	4.00
tblVehicleTrips	PR_TP	86.00	90.00
tblVehicleTrips	PR_TP	86.00	90.00
tblVehicleTrips	SU_TR	6.28	6.29
tblVehicleTrips	SU_TR	8.55	8.79
tblVehicleTrips	WD_TR	7.32	7.50
tblVehicleTrips	WD_TR	9.44	8.78

2.0 Emissions Summary

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	5.0436	49.0869	38.7637	0.0795	19.9833	2.2651	22.2484	10.1890	2.0942	12.2831	0.0000	7,701.1212	7,701.1212	2.2496	7.8300e-003	7,759.6968
2024	48.2722	22.7948	41.9177	0.1212	9.4846	0.7496	10.2342	2.5319	0.7085	3.2404	0.0000	12,198.3866	12,198.3866	0.8635	0.5503	12,383.9641
2025	47.9973	21.4258	40.3772	0.1185	9.4847	0.6517	10.1364	2.5319	0.6159	3.1478	0.0000	11,931.7901	11,931.7901	0.8437	0.5311	12,111.1540
2026	47.8577	21.1373	39.1481	0.1161	9.4848	0.6489	10.1337	2.5319	0.6133	3.1452	0.0000	11,684.6321	11,684.6321	0.8300	0.5139	11,858.5266
2027	47.7265	20.8799	38.0858	0.1138	9.4849	0.6459	10.1308	2.5320	0.6105	3.1425	0.0000	11,450.1626	11,450.1626	0.8180	0.4979	11,618.9947
2028	47.5969	20.6604	37.1937	0.1117	9.4849	0.6430	10.1279	2.5320	0.6078	3.1398	0.0000	11,234.9061	11,234.9061	0.8078	0.4836	11,399.2239
2029	48.4233	29.0559	51.2656	0.1335	9.6333	1.0592	10.6924	2.5713	0.9906	3.5619	0.0000	13,343.1769	13,343.1769	1.5146	0.4729	13,521.9670
Maximum	48.4233	49.0869	51.2656	0.1335	19.9833	2.2651	22.2484	10.1890	2.0942	12.2831	0.0000	13,343.1769	13,343.1769	2.2496	0.5503	13,521.9670

Dana Reserve Residential 2030 operational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	52.3088	1.3688	118.7347	6.2900e-003		0.6602	0.6602		0.6602	0.6602	0.0000	214.3610	214.3610	0.2042	0.0000	219.4668
Energy	0.8333	7.1205	3.0300	0.0455		0.5757	0.5757		0.5757	0.5757		9,090.0109	9,090.0109	0.1742	0.1667	9,144.0283
Mobile	30.8857	37.1226	282.4270	0.5584	71.2545	0.4556	71.7100	18.9843	0.4274	19.4116		56,790.1051	56,790.1051	3.7336	2.8648	57,737.1400
Total	84.0278	45.6119	404.1918	0.6101	71.2545	1.6915	72.9459	18.9843	1.6633	20.6475	0.0000	66,094.4770	66,094.4770	4.1121	3.0314	67,100.6350

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	52.3088	1.3688	118.7347	6.2900e-003		0.6602	0.6602		0.6602	0.6602	0.0000	214.3610	214.3610	0.2042	0.0000	219.4668
Energy	0.8333	7.1205	3.0300	0.0455		0.5757	0.5757		0.5757	0.5757		9,090.0109	9,090.0109	0.1742	0.1667	9,144.0283
Mobile	28.1406	31.7940	244.4053	0.4620	58.6039	0.3819	58.9858	15.6138	0.3582	15.9719		46,990.3159	46,990.3159	3.3110	2.4753	47,810.7147
Total	81.2826	40.2833	366.1701	0.5137	58.6039	1.6178	60.2217	15.6138	1.5941	17.2078	0.0000	56,294.6878	56,294.6878	3.6895	2.6419	57,174.2097

Dana Reserve Residential 2030 operational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	3.27	11.68	9.41	15.79	17.75	4.35	17.44	17.75	4.16	16.66	0.00	14.83	14.83	10.28	12.85	14.79

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/2/2023	5/31/2023	5	108	
2	Site Preparation	Site Preparation	2/1/2023	6/30/2023	5	108	
3	Grading	Grading	7/3/2023	12/29/2023	5	130	
4	Building Construction	Building Construction	1/1/2024	11/30/2029	5	1545	
5	Architectural Coating	Architectural Coating	3/1/2024	12/21/2029	5	1516	
6	Paving	Paving	2/1/2029	12/5/2029	5	220	

Acres of Grading (Site Preparation Phase): 162

Acres of Grading (Grading Phase): 390

Acres of Paving: 0

Residential Indoor: 4,271,535; Residential Outdoor: 1,423,845; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

Dana Reserve Residential 2030 operational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	739.00	154.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	148.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Dana Reserve Residential 2030 operational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0523	0.0356	0.3982	1.2000e-003	0.1483	7.1000e-004	0.1490	0.0393	6.5000e-004	0.0400		121.2859	121.2859	3.5100e-003	3.5600e-003	122.4348
Total	0.0523	0.0356	0.3982	1.2000e-003	0.1483	7.1000e-004	0.1490	0.0393	6.5000e-004	0.0400		121.2859	121.2859	3.5100e-003	3.5600e-003	122.4348

Dana Reserve Residential 2030 operational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9246	18.3130	24.6739	0.0388		0.8627	0.8627		0.8627	0.8627	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	0.9246	18.3130	24.6739	0.0388		0.8627	0.8627		0.8627	0.8627	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0523	0.0356	0.3982	1.2000e-003	0.1483	7.1000e-004	0.1490	0.0393	6.5000e-004	0.0400		121.2859	121.2859	3.5100e-003	3.5600e-003	122.4348
Total	0.0523	0.0356	0.3982	1.2000e-003	0.1483	7.1000e-004	0.1490	0.0393	6.5000e-004	0.0400		121.2859	121.2859	3.5100e-003	3.5600e-003	122.4348

Dana Reserve Residential 2030 operioinal - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672		3,687.308 1	3,687.308 1	1.1926		3,717.121 9

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0627	0.0427	0.4778	1.4400e-003	0.1780	8.5000e-004	0.1788	0.0472	7.8000e-004	0.0480		145.5431	145.5431	4.2100e-003	4.2700e-003	146.9218
Total	0.0627	0.0427	0.4778	1.4400e-003	0.1780	8.5000e-004	0.1788	0.0472	7.8000e-004	0.0480		145.5431	145.5431	4.2100e-003	4.2700e-003	146.9218

Dana Reserve Residential 2030 operioinal - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			0.0000			0.0000
Off-Road	0.9312	19.0656	22.9600	0.0381		0.9462	0.9462		0.9462	0.9462	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	0.9312	19.0656	22.9600	0.0381	7.6662	0.9462	8.6124	3.9400	0.9462	4.8861	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0627	0.0427	0.4778	1.4400e-003	0.1780	8.5000e-004	0.1788	0.0472	7.8000e-004	0.0480		145.5431	145.5431	4.2100e-003	4.2700e-003	146.9218
Total	0.0627	0.0427	0.4778	1.4400e-003	0.1780	8.5000e-004	0.1788	0.0472	7.8000e-004	0.0480		145.5431	145.5431	4.2100e-003	4.2700e-003	146.9218

Dana Reserve Residential 2030 operational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	3.3217	34.5156	28.0512	0.0621	9.2036	1.4245	10.6281	3.6538	1.3105	4.9643		6,011.4777	6,011.4777	1.9442		6,060.0836

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0697	0.0474	0.5309	1.6000e-003	0.1977	9.5000e-004	0.1987	0.0524	8.7000e-004	0.0533		161.7146	161.7146	4.6800e-003	4.7500e-003	163.2465
Total	0.0697	0.0474	0.5309	1.6000e-003	0.1977	9.5000e-004	0.1987	0.0524	8.7000e-004	0.0533		161.7146	161.7146	4.6800e-003	4.7500e-003	163.2465

Dana Reserve Residential 2030 operioinal - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.5894	0.0000	3.5894	1.4250	0.0000	1.4250			0.0000			0.0000
Off-Road	1.5231	29.9782	36.7226	0.0621		1.2994	1.2994		1.2994	1.2994	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	1.5231	29.9782	36.7226	0.0621	3.5894	1.2994	4.8888	1.4250	1.2994	2.7244	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0697	0.0474	0.5309	1.6000e-003	0.1977	9.5000e-004	0.1987	0.0524	8.7000e-004	0.0533		161.7146	161.7146	4.6800e-003	4.7500e-003	163.2465
Total	0.0697	0.0474	0.5309	1.6000e-003	0.1977	9.5000e-004	0.1987	0.0524	8.7000e-004	0.0533		161.7146	161.7146	4.6800e-003	4.7500e-003	163.2465

Dana Reserve Residential 2030 operational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1722	6.2579	2.0405	0.0225	0.7156	0.0356	0.7512	0.2062	0.0340	0.2402		2,413.9059	2,413.9059	0.0548	0.3546	2,520.9315
Worker	2.4287	1.5616	18.2461	0.0573	7.3059	0.0331	7.3390	1.9377	0.0305	1.9682		5,788.1394	5,788.1394	0.1570	0.1631	5,840.6666
Total	2.6010	7.8195	20.2866	0.0798	8.0215	0.0687	8.0902	2.1438	0.0646	2.2084		8,202.0453	8,202.0453	0.2118	0.5176	8,361.5981

Dana Reserve Residential 2030 operational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1722	6.2579	2.0405	0.0225	0.7156	0.0356	0.7512	0.2062	0.0340	0.2402		2,413.9059	2,413.9059	0.0548	0.3546	2,520.9315
Worker	2.4287	1.5616	18.2461	0.0573	7.3059	0.0331	7.3390	1.9377	0.0305	1.9682		5,788.1394	5,788.1394	0.1570	0.1631	5,840.6666
Total	2.6010	7.8195	20.2866	0.0798	8.0215	0.0687	8.0902	2.1438	0.0646	2.2084		8,202.0453	8,202.0453	0.2118	0.5176	8,361.5981

Dana Reserve Residential 2030 operational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1664	6.1277	2.0096	0.0221	0.7157	0.0348	0.7504	0.2062	0.0332	0.2394		2,372.215 3	2,372.215 3	0.0557	0.3482	2,477.356 1
Worker	2.2997	1.4021	17.0577	0.0554	7.3059	0.0316	7.3374	1.9377	0.0291	1.9668		5,600.114 0	5,600.114 0	0.1431	0.1524	5,649.115 9
Total	2.4660	7.5298	19.0672	0.0775	8.0216	0.0663	8.0879	2.1438	0.0623	2.2062		7,972.329 3	7,972.329 3	0.1988	0.5006	8,126.472 0

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1664	6.1277	2.0096	0.0221	0.7157	0.0348	0.7504	0.2062	0.0332	0.2394		2,372.215 3	2,372.215 3	0.0557	0.3482	2,477.356 1
Worker	2.2997	1.4021	17.0577	0.0554	7.3059	0.0316	7.3374	1.9377	0.0291	1.9668		5,600.114 0	5,600.114 0	0.1431	0.1524	5,649.115 9
Total	2.4660	7.5298	19.0672	0.0775	8.0216	0.0663	8.0879	2.1438	0.0623	2.2062		7,972.329 3	7,972.329 3	0.1988	0.5006	8,126.472 0

Dana Reserve Residential 2030 operational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1610	5.9975	1.9859	0.0217	0.7158	0.0338	0.7496	0.2062	0.0323	0.2385		2,329.795 8	2,329.795 8	0.0565	0.3417	2,433.022 8
Worker	2.1879	1.2703	16.0533	0.0537	7.3059	0.0300	7.3359	1.9377	0.0277	1.9653		5,429.537 0	5,429.537 0	0.1310	0.1435	5,475.576 7
Total	2.3489	7.2678	18.0392	0.0754	8.0216	0.0638	8.0855	2.1439	0.0600	2.2039		7,759.332 8	7,759.332 8	0.1875	0.4852	7,908.599 4

Dana Reserve Residential 2030 operational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1610	5.9975	1.9859	0.0217	0.7158	0.0338	0.7496	0.2062	0.0323	0.2385		2,329.795 8	2,329.795 8	0.0565	0.3417	2,433.022 8
Worker	2.1879	1.2703	16.0533	0.0537	7.3059	0.0300	7.3359	1.9377	0.0277	1.9653		5,429.537 0	5,429.537 0	0.1310	0.1435	5,475.576 7
Total	2.3489	7.2678	18.0392	0.0754	8.0216	0.0638	8.0855	2.1439	0.0600	2.2039		7,759.332 8	7,759.332 8	0.1875	0.4852	7,908.599 4

Dana Reserve Residential 2030 operational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1563	5.8744	1.9668	0.0213	0.7159	0.0329	0.7488	0.2062	0.0315	0.2377		2,284.011 7	2,284.011 7	0.0572	0.3348	2,385.202 3
Worker	2.0824	1.1583	15.1843	0.0522	7.3059	0.0283	7.3341	1.9377	0.0260	1.9637		5,272.334 6	5,272.334 6	0.1204	0.1359	5,315.853 2
Total	2.2387	7.0327	17.1510	0.0734	8.0217	0.0612	8.0829	2.1439	0.0575	2.2014		7,556.346 4	7,556.346 4	0.1776	0.4707	7,701.055 5

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1563	5.8744	1.9668	0.0213	0.7159	0.0329	0.7488	0.2062	0.0315	0.2377		2,284.011 7	2,284.011 7	0.0572	0.3348	2,385.202 3
Worker	2.0824	1.1583	15.1843	0.0522	7.3059	0.0283	7.3341	1.9377	0.0260	1.9637		5,272.334 6	5,272.334 6	0.1204	0.1359	5,315.853 2
Total	2.2387	7.0327	17.1510	0.0734	8.0217	0.0612	8.0829	2.1439	0.0575	2.2014		7,556.346 4	7,556.346 4	0.1776	0.4707	7,701.055 5

Dana Reserve Residential 2030 operioinal - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1520	5.7682	1.9525	0.0208	0.7159	0.0321	0.7480	0.2063	0.0307	0.2370		2,240.294 2	2,240.294 2	0.0581	0.3282	2,339.536 1
Worker	1.9780	1.0640	14.4529	0.0507	7.3059	0.0265	7.3324	1.9377	0.0244	1.9621		5,129.417 7	5,129.417 7	0.1112	0.1295	5,170.798 7
Total	2.1300	6.8322	16.4054	0.0716	8.0218	0.0586	8.0804	2.1439	0.0551	2.1990		7,369.711 9	7,369.711 9	0.1693	0.4577	7,510.334 9

Dana Reserve Residential 2030 operational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1520	5.7682	1.9525	0.0208	0.7159	0.0321	0.7480	0.2063	0.0307	0.2370		2,240.294 2	2,240.294 2	0.0581	0.3282	2,339.536 1
Worker	1.9780	1.0640	14.4529	0.0507	7.3059	0.0265	7.3324	1.9377	0.0244	1.9621		5,129.417 7	5,129.417 7	0.1112	0.1295	5,170.798 7
Total	2.1300	6.8322	16.4054	0.0716	8.0218	0.0586	8.0804	2.1439	0.0551	2.1990		7,369.711 9	7,369.711 9	0.1693	0.4577	7,510.334 9

Dana Reserve Residential 2030 operational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1480	5.6588	1.9394	0.0204	0.7160	0.0313	0.7473	0.2063	0.0299	0.2362		2,195.913 2	2,195.913 2	0.0589	0.3215	2,293.179 1
Worker	1.8757	0.9834	13.8087	0.0495	7.3059	0.0248	7.3307	1.9377	0.0229	1.9605		4,999.798 9	4,999.798 9	0.1030	0.1241	5,039.349 4
Total	2.0237	6.6422	15.7481	0.0699	8.0218	0.0561	8.0779	2.1439	0.0528	2.1967		7,195.712 0	7,195.712 0	0.1619	0.4455	7,332.528 4

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1480	5.6588	1.9394	0.0204	0.7160	0.0313	0.7473	0.2063	0.0299	0.2362		2,195.913 2	2,195.913 2	0.0589	0.3215	2,293.179 1
Worker	1.8757	0.9834	13.8087	0.0495	7.3059	0.0248	7.3307	1.9377	0.0229	1.9605		4,999.798 9	4,999.798 9	0.1030	0.1241	5,039.349 4
Total	2.0237	6.6422	15.7481	0.0699	8.0218	0.0561	8.0779	2.1439	0.0528	2.1967		7,195.712 0	7,195.712 0	0.1619	0.4455	7,332.528 4

Dana Reserve Residential 2030 operational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.5325					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	43.7132	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4864	0.3127	3.6542	0.0115	1.4632	6.6400e-003	1.4698	0.3881	6.1200e-003	0.3942		1,159.1944	1,159.1944	0.0315	0.0327	1,169.7140
Total	0.4864	0.3127	3.6542	0.0115	1.4632	6.6400e-003	1.4698	0.3881	6.1200e-003	0.3942		1,159.1944	1,159.1944	0.0315	0.0327	1,169.7140

Dana Reserve Residential 2030 operioinal - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.5325					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.8443
Total	43.5919	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4864	0.3127	3.6542	0.0115	1.4632	6.6400e-003	1.4698	0.3881	6.1200e-003	0.3942		1,159.1944	1,159.1944	0.0315	0.0327	1,169.7140
Total	0.4864	0.3127	3.6542	0.0115	1.4632	6.6400e-003	1.4698	0.3881	6.1200e-003	0.3942		1,159.1944	1,159.1944	0.0315	0.0327	1,169.7140

Dana Reserve Residential 2030 operational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.5325					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	43.7033	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4606	0.2808	3.4162	0.0111	1.4632	6.3300e-003	1.4695	0.3881	5.8300e-003	0.3939		1,121.5384	1,121.5384	0.0287	0.0305	1,131.3520
Total	0.4606	0.2808	3.4162	0.0111	1.4632	6.3300e-003	1.4695	0.3881	5.8300e-003	0.3939		1,121.5384	1,121.5384	0.0287	0.0305	1,131.3520

Dana Reserve Residential 2030 operational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.5325					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	43.5919	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4606	0.2808	3.4162	0.0111	1.4632	6.3300e-003	1.4695	0.3881	5.8300e-003	0.3939		1,121.5384	1,121.5384	0.0287	0.0305	1,131.3520
Total	0.4606	0.2808	3.4162	0.0111	1.4632	6.3300e-003	1.4695	0.3881	5.8300e-003	0.3939		1,121.5384	1,121.5384	0.0287	0.0305	1,131.3520

Dana Reserve Residential 2030 operational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.5325					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	43.7033	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4382	0.2544	3.2150	0.0108	1.4632	6.0100e-003	1.4692	0.3881	5.5400e-003	0.3936		1,087.3768	1,087.3768	0.0262	0.0287	1,096.5972
Total	0.4382	0.2544	3.2150	0.0108	1.4632	6.0100e-003	1.4692	0.3881	5.5400e-003	0.3936		1,087.3768	1,087.3768	0.0262	0.0287	1,096.5972

Dana Reserve Residential 2030 operioinal - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.5325					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	43.5919	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4382	0.2544	3.2150	0.0108	1.4632	6.0100e-003	1.4692	0.3881	5.5400e-003	0.3936		1,087.3768	1,087.3768	0.0262	0.0287	1,096.5972
Total	0.4382	0.2544	3.2150	0.0108	1.4632	6.0100e-003	1.4692	0.3881	5.5400e-003	0.3936		1,087.3768	1,087.3768	0.0262	0.0287	1,096.5972

Dana Reserve Residential 2030 operational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.5325					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	43.7033	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4171	0.2320	3.0410	0.0105	1.4632	5.6600e-003	1.4688	0.3881	5.2100e-003	0.3933		1,055.8938	1,055.8938	0.0241	0.0272	1,064.6093
Total	0.4171	0.2320	3.0410	0.0105	1.4632	5.6600e-003	1.4688	0.3881	5.2100e-003	0.3933		1,055.8938	1,055.8938	0.0241	0.0272	1,064.6093

Dana Reserve Residential 2030 operational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.5325					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	43.5919	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4171	0.2320	3.0410	0.0105	1.4632	5.6600e-003	1.4688	0.3881	5.2100e-003	0.3933		1,055.8938	1,055.8938	0.0241	0.0272	1,064.6093
Total	0.4171	0.2320	3.0410	0.0105	1.4632	5.6600e-003	1.4688	0.3881	5.2100e-003	0.3933		1,055.8938	1,055.8938	0.0241	0.0272	1,064.6093

Dana Reserve Residential 2030 operioinal - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.5325					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	43.7033	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3961	0.2131	2.8945	0.0102	1.4632	5.3100e-003	1.4685	0.3881	4.8900e-003	0.3929		1,027.2717	1,027.2717	0.0223	0.0259	1,035.5592
Total	0.3961	0.2131	2.8945	0.0102	1.4632	5.3100e-003	1.4685	0.3881	4.8900e-003	0.3929		1,027.2717	1,027.2717	0.0223	0.0259	1,035.5592

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.5325					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	43.5919	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3961	0.2131	2.8945	0.0102	1.4632	5.3100e-003	1.4685	0.3881	4.8900e-003	0.3929		1,027.2717	1,027.2717	0.0223	0.0259	1,035.5592
Total	0.3961	0.2131	2.8945	0.0102	1.4632	5.3100e-003	1.4685	0.3881	4.8900e-003	0.3929		1,027.2717	1,027.2717	0.0223	0.0259	1,035.5592

Dana Reserve Residential 2030 operioinal - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.5325					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	43.7033	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3757	0.1969	2.7655	9.9100e-003	1.4632	4.9700e-003	1.4681	0.3881	4.5800e-003	0.3926		1,001.3129	1,001.3129	0.0206	0.0249	1,009.2337
Total	0.3757	0.1969	2.7655	9.9100e-003	1.4632	4.9700e-003	1.4681	0.3881	4.5800e-003	0.3926		1,001.3129	1,001.3129	0.0206	0.0249	1,009.2337

Dana Reserve Residential 2030 operational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.5325					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	43.5919	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3757	0.1969	2.7655	9.9100e-003	1.4632	4.9700e-003	1.4681	0.3881	4.5800e-003	0.3926		1,001.3129	1,001.3129	0.0206	0.0249	1,009.2337
Total	0.3757	0.1969	2.7655	9.9100e-003	1.4632	4.9700e-003	1.4681	0.3881	4.5800e-003	0.3926		1,001.3129	1,001.3129	0.0206	0.0249	1,009.2337

Dana Reserve Residential 2030 operational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Paving - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0381	0.0200	0.2803	1.0000e-003	0.1483	5.0000e-004	0.1488	0.0393	4.6000e-004	0.0398		101.4844	101.4844	2.0900e-003	2.5200e-003	102.2872
Total	0.0381	0.0200	0.2803	1.0000e-003	0.1483	5.0000e-004	0.1488	0.0393	4.6000e-004	0.0398		101.4844	101.4844	2.0900e-003	2.5200e-003	102.2872

Dana Reserve Residential 2030 operational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Paving - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5609	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0381	0.0200	0.2803	1.0000e-003	0.1483	5.0000e-004	0.1488	0.0393	4.6000e-004	0.0398		101.4844	101.4844	2.0900e-003	2.5200e-003	102.2872
Total	0.0381	0.0200	0.2803	1.0000e-003	0.1483	5.0000e-004	0.1488	0.0393	4.6000e-004	0.0398		101.4844	101.4844	2.0900e-003	2.5200e-003	102.2872

Dana Reserve Residential 2030 operational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

- Increase Density
- Improve Walkability Design
- Improve Destination Accessibility
- Increase Transit Accessibility
- Integrate Below Market Rate Housing
- Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	28.1406	31.7940	244.4053	0.4620	58.6039	0.3819	58.9858	15.6138	0.3582	15.9719		46,990.31 59	46,990.31 59	3.3110	2.4753	47,810.71 47
Unmitigated	30.8857	37.1226	282.4270	0.5584	71.2545	0.4556	71.7100	18.9843	0.4274	19.4116		56,790.10 51	56,790.10 51	3.7336	2.8648	57,737.14 00

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	4,575.00	4,965.40	3836.90	11,859,256	9,753,755
Single Family Housing	7,313.74	7,946.82	7322.07	19,406,808	15,961,308
Total	11,888.74	12,912.22	11,158.97	31,266,064	25,715,062

4.3 Trip Type Information

Dana Reserve Residential 2030 operational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	13.00	5.00	5.00	35.80	21.00	43.20	90	6	4
Single Family Housing	13.00	5.00	5.00	35.80	21.00	43.20	90	6	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.516135	0.058853	0.199929	0.136792	0.029532	0.007795	0.008341	0.005917	0.000885	0.000346	0.029869	0.000792	0.004814
Single Family Housing	0.516135	0.058853	0.199929	0.136792	0.029532	0.007795	0.008341	0.005917	0.000885	0.000346	0.029869	0.000792	0.004814

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

Percent of Electricity Use Generated with Renewable Energy

Install Energy Efficient Appliances

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.8333	7.1205	3.0300	0.0455		0.5757	0.5757		0.5757	0.5757		9,090.0109	9,090.0109	0.1742	0.1667	9,144.0283
NaturalGas Unmitigated	0.8333	7.1205	3.0300	0.0455		0.5757	0.5757		0.5757	0.5757		9,090.0109	9,090.0109	0.1742	0.1667	9,144.0283

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	16491.4	0.1779	1.5198	0.6467	9.7000e-003		0.1229	0.1229		0.1229	0.1229		1,940.1618	1,940.1618	0.0372	0.0356	1,951.6912
Single Family Housing	60773.7	0.6554	5.6007	2.3833	0.0358		0.4528	0.4528		0.4528	0.4528		7,149.8491	7,149.8491	0.1370	0.1311	7,192.3371
Total		0.8333	7.1205	3.0300	0.0455		0.5757	0.5757		0.5757	0.5757		9,090.0109	9,090.0109	0.1742	0.1667	9,144.0283

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	16.4914	0.1779	1.5198	0.6467	9.7000e-003		0.1229	0.1229		0.1229	0.1229		1,940.1618	1,940.1618	0.0372	0.0356	1,951.6912
Single Family Housing	60.7737	0.6554	5.6007	2.3833	0.0358		0.4528	0.4528		0.4528	0.4528		7,149.8491	7,149.8491	0.1370	0.1311	7,192.3371
Total		0.8333	7.1205	3.0300	0.0455		0.5757	0.5757		0.5757	0.5757		9,090.0109	9,090.0109	0.1742	0.1667	9,144.0283

6.0 Area Detail

Dana Reserve Residential 2030 operational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	52.3088	1.3688	118.7347	6.2900e-003		0.6602	0.6602		0.6602	0.6602	0.0000	214.3610	214.3610	0.2042	0.0000	219.4668
Unmitigated	52.3088	1.3688	118.7347	6.2900e-003		0.6602	0.6602		0.6602	0.6602	0.0000	214.3610	214.3610	0.2042	0.0000	219.4668

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.6162					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	45.1412					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.5514	1.3688	118.7347	6.2900e-003		0.6602	0.6602		0.6602	0.6602		214.3610	214.3610	0.2042		219.4668
Total	52.3088	1.3688	118.7347	6.2900e-003		0.6602	0.6602		0.6602	0.6602	0.0000	214.3610	214.3610	0.2042	0.0000	219.4668

Dana Reserve Residential 2030 operatioinal - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.6162					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	45.1412					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.5514	1.3688	118.7347	6.2900e-003		0.6602	0.6602		0.6602	0.6602		214.3610	214.3610	0.2042		219.4668
Total	52.3088	1.3688	118.7347	6.2900e-003		0.6602	0.6602		0.6602	0.6602	0.0000	214.3610	214.3610	0.2042	0.0000	219.4668

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

Dana Reserve Residential 2030 operational - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Dana Reserve Residential
San Luis Obispo County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	55.20	Acre	55.20	2,404,512.00	0
Apartments Low Rise	610.00	Dwelling Unit	23.50	610,000.00	1745
Single Family Housing	833.00	Dwelling Unit	149.50	1,499,400.00	2382

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2031
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	118.62	CH4 Intensity (lb/MWhr)	0.019	N2O Intensity (lb/MWhr)	0.002

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Utility Intensity Factor based on renewable portfolio standards for PG&E for the year of 2031.

Land Use - Apartment Low Rise land use also includes 152 accessory dwelling units (ADU's) as per the traffic report. Lot acreage based on specific plan, other non-asphalt surfaces is included to account for grading of entire project.

Construction Phase - Construction phasing is based on the anticipated building schedule for Dana Reserve.

Off-road Equipment - Defaults

Off-road Equipment - Defaults

Off-road Equipment - Defaults

Off-road Equipment - Defaults

Off-road Equipment - Defaults

Off-road Equipment - Defaults

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT - defaults

Demolition - No structures are currently on the project site.

Grading - Defaults

Architectural Coating -

Vehicle Trips - Trip gen for Weekday and sunday is based on traffic report, sat was left default. Trip length was also left as default. Trip type was based on traffic report.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Use low VOC paint (50g/L)

Construction Off-road Equipment Mitigation - Soil stabilizers, Water exposed areas, and use tier 3 engines.

Mobile Land Use Mitigation - 75 units will be "affordable"

Area Mitigation - Use Low VOC Paints

Energy Mitigation - Based on average residential solar systems production and residential usage 75% of electricity generated will be from residential solar. Use energy efficient appliances.

Water Mitigation - Install low flow fixtures and irrigation.

Waste Mitigation -

Fleet Mix - Default

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	144,271.00	170,407.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	150	50
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblAreaCoating	Area_Parking	144271	0
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	330.00	1,783.00
tblConstructionPhase	NumDays	4,650.00	1,805.00

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDays	300.00	108.00
tblConstructionPhase	NumDays	465.00	130.00
tblConstructionPhase	NumDays	330.00	220.00
tblConstructionPhase	NumDays	180.00	108.00
tblLandUse	LotAcreage	38.13	23.50
tblLandUse	LotAcreage	270.45	149.50
tblProjectCharacteristics	CH4IntensityFactor	0.033	0.019
tblProjectCharacteristics	CO2IntensityFactor	203.98	118.62
tblProjectCharacteristics	N2OIntensityFactor	0.004	0.002
tblTripsAndVMT	VendorTripNumber	548.00	620.00
tblTripsAndVMT	WorkerTripNumber	1,749.00	1,932.00
tblTripsAndVMT	WorkerTripNumber	350.00	386.00
tblVehicleTrips	DV_TP	11.00	6.00
tblVehicleTrips	DV_TP	11.00	6.00
tblVehicleTrips	PB_TP	3.00	4.00
tblVehicleTrips	PB_TP	3.00	4.00
tblVehicleTrips	PR_TP	86.00	90.00
tblVehicleTrips	PR_TP	86.00	90.00
tblVehicleTrips	SU_TR	6.28	6.29
tblVehicleTrips	SU_TR	8.55	8.79
tblVehicleTrips	WD_TR	7.32	7.50
tblVehicleTrips	WD_TR	9.44	8.78

2.0 Emissions Summary

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	5.0436	49.0869	38.7637	0.0795	19.9833	2.2651	22.2484	10.1890	2.0942	12.2831	0.0000	7,701.121 2	7,701.121 2	2.2496	7.8300e- 003	7,759.696 8
2024	47.6419	44.7549	83.4239	0.3001	25.7971	0.9214	26.7185	6.9077	0.8706	7.7784	0.0000	30,710.95 93	30,710.95 93	1.3334	1.9390	31,322.10 73
2025	47.0994	42.6830	79.4885	0.2927	25.7974	0.8180	26.6154	6.9079	0.7729	7.6807	0.0000	29,954.11 58	29,954.11 58	1.2892	1.8798	30,546.52 02
2026	46.7271	41.7453	76.2431	0.2857	25.7977	0.8094	26.6071	6.9080	0.7647	7.6727	0.0000	29,248.29 20	29,248.29 20	1.2545	1.8257	29,823.69 99
2027	46.3775	40.8987	73.4399	0.2791	25.7980	0.8003	26.5984	6.9081	0.7563	7.6643	0.0000	28,570.87 44	28,570.87 44	1.2242	1.7742	29,130.17 59
2028	46.0327	40.1751	71.0885	0.2729	25.7983	0.7915	26.5898	6.9082	0.7480	7.6562	0.0000	27,946.58 53	27,946.58 53	1.1988	1.7275	28,491.33 69
2029	45.6955	39.4818	69.0151	0.2672	25.7986	0.7829	26.5814	6.9083	0.7399	7.6482	0.0000	27,361.33 67	27,361.33 67	1.1764	1.6834	27,892.39 11
2030	46.6938	41.2385	83.4396	0.2951	25.9471	0.6957	26.6427	6.9477	0.6845	7.6321	0.0000	29,933.06 82	29,933.06 82	0.7940	1.6475	30,443.88 30
Maximum	47.6419	49.0869	83.4396	0.3001	25.9471	2.2651	26.7185	10.1890	2.0942	12.2831	0.0000	30,710.95 93	30,710.95 93	2.2496	1.9390	31,322.10 73

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	53.1610	1.3688	118.7403	6.2900e-003		0.6602	0.6602		0.6602	0.6602	0.0000	214.3731	214.3731	0.2043	0.0000	219.4796
Energy	0.8333	7.1205	3.0300	0.0455		0.5757	0.5757		0.5757	0.5757		9,090.0109	9,090.0109	0.1742	0.1667	9,144.0283
Mobile	29.5423	34.8818	273.1964	0.5444	71.2354	0.4256	71.6610	18.9763	0.3991	19.3753		55,377.2438	55,377.2438	3.5881	2.7708	56,292.6520
Total	83.5365	43.3712	394.9668	0.5962	71.2354	1.6615	72.8969	18.9763	1.6350	20.6112	0.0000	64,681.6278	64,681.6278	3.9665	2.9375	65,656.1599

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	53.1610	1.3688	118.7403	6.2900e-003		0.6602	0.6602		0.6602	0.6602	0.0000	214.3731	214.3731	0.2043	0.0000	219.4796
Energy	0.8333	7.1205	3.0300	0.0455		0.5757	0.5757		0.5757	0.5757		9,090.0109	9,090.0109	0.1742	0.1667	9,144.0283
Mobile	27.2058	30.5049	240.9116	0.4618	60.1033	0.3651	60.4684	16.0108	0.3422	16.3530		46,966.5061	46,966.5061	3.2274	2.4401	47,774.3306
Total	81.2000	38.9942	362.6819	0.5135	60.1033	1.6010	61.7043	16.0108	1.5782	17.5890	0.0000	56,270.8900	56,270.8900	3.6059	2.6067	57,137.8385

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	2.80	10.09	8.17	13.87	15.63	3.64	15.35	15.63	3.47	14.66	0.00	13.00	13.00	9.09	11.26	12.97

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grubbing	Demolition	1/2/2023	5/31/2023	5	108	
2	Site Preparation	Site Preparation	2/1/2023	6/30/2023	5	108	
3	Grading	Grading	7/3/2023	12/29/2023	5	130	
4	Building Construction	Building Construction	1/1/2024	11/29/2030	5	1805	
5	Architectural Coating	Architectural Coating	3/1/2024	12/31/2030	5	1783	
6	Paving	Paving	2/1/2030	12/5/2030	5	220	

Acres of Grading (Site Preparation Phase): 162

Acres of Grading (Grading Phase): 390

Acres of Paving: 55.2

Residential Indoor: 4,271,535; Residential Outdoor: 1,423,845; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 170,407 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grubbing	Concrete/Industrial Saws	1	8.00	81	0.73
Grubbing	Excavators	3	8.00	158	0.38
Grubbing	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grubbing	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,932.00	620.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	386.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grubbing - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0523	0.0356	0.3982	1.2000e-003	0.1483	7.1000e-004	0.1490	0.0393	6.5000e-004	0.0400		121.2859	121.2859	3.5100e-003	3.5600e-003	122.4348
Total	0.0523	0.0356	0.3982	1.2000e-003	0.1483	7.1000e-004	0.1490	0.0393	6.5000e-004	0.0400		121.2859	121.2859	3.5100e-003	3.5600e-003	122.4348

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Grubbing - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9246	18.3130	24.6739	0.0388		0.8627	0.8627		0.8627	0.8627	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	0.9246	18.3130	24.6739	0.0388		0.8627	0.8627		0.8627	0.8627	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0523	0.0356	0.3982	1.2000e-003	0.1483	7.1000e-004	0.1490	0.0393	6.5000e-004	0.0400		121.2859	121.2859	3.5100e-003	3.5600e-003	122.4348
Total	0.0523	0.0356	0.3982	1.2000e-003	0.1483	7.1000e-004	0.1490	0.0393	6.5000e-004	0.0400		121.2859	121.2859	3.5100e-003	3.5600e-003	122.4348

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672		3,687.308 1	3,687.308 1	1.1926		3,717.121 9

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0627	0.0427	0.4778	1.4400e-003	0.1780	8.5000e-004	0.1788	0.0472	7.8000e-004	0.0480		145.5431	145.5431	4.2100e-003	4.2700e-003	146.9218
Total	0.0627	0.0427	0.4778	1.4400e-003	0.1780	8.5000e-004	0.1788	0.0472	7.8000e-004	0.0480		145.5431	145.5431	4.2100e-003	4.2700e-003	146.9218

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			0.0000			0.0000
Off-Road	0.9312	19.0656	22.9600	0.0381		0.9462	0.9462		0.9462	0.9462	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	0.9312	19.0656	22.9600	0.0381	7.6662	0.9462	8.6124	3.9400	0.9462	4.8861	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0627	0.0427	0.4778	1.4400e-003	0.1780	8.5000e-004	0.1788	0.0472	7.8000e-004	0.0480		145.5431	145.5431	4.2100e-003	4.2700e-003	146.9218
Total	0.0627	0.0427	0.4778	1.4400e-003	0.1780	8.5000e-004	0.1788	0.0472	7.8000e-004	0.0480		145.5431	145.5431	4.2100e-003	4.2700e-003	146.9218

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	3.3217	34.5156	28.0512	0.0621	9.2036	1.4245	10.6281	3.6538	1.3105	4.9643		6,011.4777	6,011.4777	1.9442		6,060.0836

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0697	0.0474	0.5309	1.6000e-003	0.1977	9.5000e-004	0.1987	0.0524	8.7000e-004	0.0533		161.7146	161.7146	4.6800e-003	4.7500e-003	163.2465
Total	0.0697	0.0474	0.5309	1.6000e-003	0.1977	9.5000e-004	0.1987	0.0524	8.7000e-004	0.0533		161.7146	161.7146	4.6800e-003	4.7500e-003	163.2465

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.5894	0.0000	3.5894	1.4250	0.0000	1.4250			0.0000			0.0000
Off-Road	1.5231	29.9782	36.7226	0.0621		1.2994	1.2994		1.2994	1.2994	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	1.5231	29.9782	36.7226	0.0621	3.5894	1.2994	4.8888	1.4250	1.2994	2.7244	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0697	0.0474	0.5309	1.6000e-003	0.1977	9.5000e-004	0.1987	0.0524	8.7000e-004	0.0533		161.7146	161.7146	4.6800e-003	4.7500e-003	163.2465
Total	0.0697	0.0474	0.5309	1.6000e-003	0.1977	9.5000e-004	0.1987	0.0524	8.7000e-004	0.0533		161.7146	161.7146	4.6800e-003	4.7500e-003	163.2465

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6934	25.1943	8.2149	0.0906	2.8811	0.1433	3.0243	0.8299	0.1370	0.9670		9,718.3223	9,718.3223	0.2206	1.4274	10,149.2048
Worker	6.3496	4.0824	47.7017	0.1497	19.1000	0.0866	19.1866	5.0657	0.0798	5.1455		15,132.1858	15,132.1858	0.4105	0.4264	15,269.5100
Total	7.0430	29.2767	55.9165	0.2403	21.9811	0.2299	22.2110	5.8956	0.2169	6.1125		24,850.5081	24,850.5081	0.6312	1.8538	25,418.7148

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6934	25.1943	8.2149	0.0906	2.8811	0.1433	3.0243	0.8299	0.1370	0.9670		9,718.3223	9,718.3223	0.2206	1.4274	10,149.2048
Worker	6.3496	4.0824	47.7017	0.1497	19.1000	0.0866	19.1866	5.0657	0.0798	5.1455		15,132.1858	15,132.1858	0.4105	0.4264	15,269.5100
Total	7.0430	29.2767	55.9165	0.2403	21.9811	0.2299	22.2110	5.8956	0.2169	6.1125		24,850.5081	24,850.5081	0.6312	1.8538	25,418.7148

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6697	24.6698	8.0905	0.0890	2.8814	0.1399	3.0213	0.8301	0.1338	0.9639		9,550.477 0	9,550.477 0	0.2240	1.4017	9,973.771 2
Worker	6.0121	3.6657	44.5946	0.1448	19.1000	0.0826	19.1826	5.0657	0.0761	5.1418		14,640.62 29	14,640.62 29	0.3741	0.3985	14,768.73 06
Total	6.6819	28.3354	52.6850	0.2338	21.9814	0.2225	22.2038	5.8958	0.2099	6.1056		24,191.09 99	24,191.09 99	0.5982	1.8002	24,742.50 18

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6697	24.6698	8.0905	0.0890	2.8814	0.1399	3.0213	0.8301	0.1338	0.9639		9,550.477 0	9,550.477 0	0.2240	1.4017	9,973.771 2
Worker	6.0121	3.6657	44.5946	0.1448	19.1000	0.0826	19.1826	5.0657	0.0761	5.1418		14,640.62 29	14,640.62 29	0.3741	0.3985	14,768.73 06
Total	6.6819	28.3354	52.6850	0.2338	21.9814	0.2225	22.2038	5.8958	0.2099	6.1056		24,191.09 99	24,191.09 99	0.5982	1.8002	24,742.50 18

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6482	24.1456	7.9953	0.0873	2.8817	0.1361	3.0178	0.8302	0.1302	0.9604		9,379.697 4	9,379.697 4	0.2273	1.3755	9,795.286 5
Worker	5.7198	3.3210	41.9689	0.1404	19.1000	0.0785	19.1785	5.0657	0.0723	5.1380		14,194.67 59	14,194.67 59	0.3424	0.3752	14,315.03 94
Total	6.3680	27.4666	49.9642	0.2277	21.9817	0.2146	22.1963	5.8959	0.2025	6.0984		23,574.37 33	23,574.37 33	0.5698	1.7507	24,110.32 59

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6482	24.1456	7.9953	0.0873	2.8817	0.1361	3.0178	0.8302	0.1302	0.9604		9,379.697 4	9,379.697 4	0.2273	1.3755	9,795.286 5
Worker	5.7198	3.3210	41.9689	0.1404	19.1000	0.0785	19.1785	5.0657	0.0723	5.1380		14,194.67 59	14,194.67 59	0.3424	0.3752	14,315.03 94
Total	6.3680	27.4666	49.9642	0.2277	21.9817	0.2146	22.1963	5.8959	0.2025	6.0984		23,574.37 33	23,574.37 33	0.5698	1.7507	24,110.32 59

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6293	23.6502	7.9181	0.0855	2.8820	0.1326	3.0146	0.8303	0.1268	0.9571		9,195.371 9	9,195.371 9	0.2302	1.3478	9,602.762 5
Worker	5.4442	3.0283	39.6969	0.1364	19.1000	0.0739	19.1739	5.0657	0.0681	5.1338		13,783.69 49	13,783.69 49	0.3148	0.3554	13,897.46 73
Total	6.0735	26.6785	47.6149	0.2219	21.9820	0.2065	22.1885	5.8960	0.1949	6.0909		22,979.06 68	22,979.06 68	0.5450	1.7032	23,500.22 99

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6293	23.6502	7.9181	0.0855	2.8820	0.1326	3.0146	0.8303	0.1268	0.9571		9,195.371 9	9,195.371 9	0.2302	1.3478	9,602.762 5
Worker	5.4442	3.0283	39.6969	0.1364	19.1000	0.0739	19.1739	5.0657	0.0681	5.1338		13,783.69 49	13,783.69 49	0.3148	0.3554	13,897.46 73
Total	6.0735	26.6785	47.6149	0.2219	21.9820	0.2065	22.1885	5.8960	0.1949	6.0909		22,979.06 68	22,979.06 68	0.5450	1.7032	23,500.22 99

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6121	23.2225	7.8607	0.0838	2.8823	0.1294	3.0116	0.8304	0.1237	0.9541		9,019.366 3	9,019.366 3	0.2338	1.3212	9,418.911 6
Worker	5.1711	2.7817	37.7849	0.1327	19.1000	0.0693	19.1693	5.0657	0.0638	5.1295		13,410.06 09	13,410.06 09	0.2907	0.3387	13,518.24 51
Total	5.7832	26.0041	45.6456	0.2165	21.9823	0.1986	22.1809	5.8961	0.1875	6.0836		22,429.42 71	22,429.42 71	0.5244	1.6598	22,937.15 68

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6121	23.2225	7.8607	0.0838	2.8823	0.1294	3.0116	0.8304	0.1237	0.9541		9,019.366 3	9,019.366 3	0.2338	1.3212	9,418.911 6
Worker	5.1711	2.7817	37.7849	0.1327	19.1000	0.0693	19.1693	5.0657	0.0638	5.1295		13,410.06 09	13,410.06 09	0.2907	0.3387	13,518.24 51
Total	5.7832	26.0041	45.6456	0.2165	21.9823	0.1986	22.1809	5.8961	0.1875	6.0836		22,429.42 71	22,429.42 71	0.5244	1.6598	22,937.15 68

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.5956	22.7821	7.8079	0.0821	2.8825	0.1260	3.0085	0.8305	0.1205	0.9510		8,840.689 3	8,840.689 3	0.2371	1.2942	9,232.279 3
Worker	4.9038	2.5709	36.1007	0.1293	19.1000	0.0649	19.1649	5.0657	0.0597	5.1254		13,071.19 27	13,071.19 27	0.2692	0.3244	13,174.59 13
Total	5.4994	25.3530	43.9087	0.2114	21.9825	0.1909	22.1734	5.8962	0.1802	6.0764		21,911.88 20	21,911.88 20	0.5063	1.6186	22,406.87 06

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.5956	22.7821	7.8079	0.0821	2.8825	0.1260	3.0085	0.8305	0.1205	0.9510		8,840.689 3	8,840.689 3	0.2371	1.2942	9,232.279 3
Worker	4.9038	2.5709	36.1007	0.1293	19.1000	0.0649	19.1649	5.0657	0.0597	5.1254		13,071.19 27	13,071.19 27	0.2692	0.3244	13,174.59 13
Total	5.4994	25.3530	43.9087	0.2114	21.9825	0.1909	22.1734	5.8962	0.1802	6.0764		21,911.88 20	21,911.88 20	0.5063	1.6186	22,406.87 06

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.5823	22.4415	7.7777	0.0806	2.8827	0.1233	3.0060	0.8306	0.1179	0.9485		8,682.3667	8,682.3667	0.2399	1.2705	9,066.9678
Worker	4.6450	2.3898	34.6631	0.1263	19.1000	0.0607	19.1607	5.0657	0.0559	5.1216		12,765.6010	12,765.6010	0.2500	0.3123	12,864.9001
Total	5.2273	24.8314	42.4408	0.2069	21.9827	0.1840	22.1667	5.8963	0.1738	6.0701		21,447.9677	21,447.9677	0.4899	1.5827	21,931.8679

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0310		0.9036	0.9036		0.9036	0.9036	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	0.6739	14.2261	17.8738	0.0310		0.9036	0.9036		0.9036	0.9036	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.5823	22.4415	7.7777	0.0806	2.8827	0.1233	3.0060	0.8306	0.1179	0.9485		8,682.3667	8,682.3667	0.2399	1.2705	9,066.9678
Worker	4.6450	2.3898	34.6631	0.1263	19.1000	0.0607	19.1607	5.0657	0.0559	5.1216		12,765.6010	12,765.6010	0.2500	0.3123	12,864.9001
Total	5.2273	24.8314	42.4408	0.2069	21.9827	0.1840	22.1667	5.8963	0.1738	6.0701		21,447.9677	21,447.9677	0.4899	1.5827	21,931.8679

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	37.6781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	37.8588	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2686	0.8156	9.5305	0.0299	3.8161	0.0173	3.8334	1.0121	0.0160	1.0280		3,023.3042	3,023.3042	0.0820	0.0852	3,050.7406
Total	1.2686	0.8156	9.5305	0.0299	3.8161	0.0173	3.8334	1.0121	0.0160	1.0280		3,023.3042	3,023.3042	0.0820	0.0852	3,050.7406

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	37.6781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.8443
Total	37.7375	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2686	0.8156	9.5305	0.0299	3.8161	0.0173	3.8334	1.0121	0.0160	1.0280		3,023.3042	3,023.3042	0.0820	0.0852	3,050.7406
Total	1.2686	0.8156	9.5305	0.0299	3.8161	0.0173	3.8334	1.0121	0.0160	1.0280		3,023.3042	3,023.3042	0.0820	0.0852	3,050.7406

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	37.6781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	37.8489	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2012	0.7324	8.9097	0.0289	3.8161	0.0165	3.8325	1.0121	0.0152	1.0273		2,925.0934	2,925.0934	0.0748	0.0796	2,950.6884
Total	1.2012	0.7324	8.9097	0.0289	3.8161	0.0165	3.8325	1.0121	0.0152	1.0273		2,925.0934	2,925.0934	0.0748	0.0796	2,950.6884

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	37.6781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	37.7375	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2012	0.7324	8.9097	0.0289	3.8161	0.0165	3.8325	1.0121	0.0152	1.0273		2,925.0934	2,925.0934	0.0748	0.0796	2,950.6884
Total	1.2012	0.7324	8.9097	0.0289	3.8161	0.0165	3.8325	1.0121	0.0152	1.0273		2,925.0934	2,925.0934	0.0748	0.0796	2,950.6884

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	37.6781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	37.8489	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1428	0.6635	8.3851	0.0281	3.8161	0.0157	3.8317	1.0121	0.0145	1.0265		2,835.9963	2,835.9963	0.0684	0.0750	2,860.0441
Total	1.1428	0.6635	8.3851	0.0281	3.8161	0.0157	3.8317	1.0121	0.0145	1.0265		2,835.9963	2,835.9963	0.0684	0.0750	2,860.0441

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	37.6781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	37.7375	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1428	0.6635	8.3851	0.0281	3.8161	0.0157	3.8317	1.0121	0.0145	1.0265		2,835.9963	2,835.9963	0.0684	0.0750	2,860.0441
Total	1.1428	0.6635	8.3851	0.0281	3.8161	0.0157	3.8317	1.0121	0.0145	1.0265		2,835.9963	2,835.9963	0.0684	0.0750	2,860.0441

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	37.6781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	37.8489	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0877	0.6050	7.9312	0.0272	3.8161	0.0148	3.8308	1.0121	0.0136	1.0257		2,753.8852	2,753.8852	0.0629	0.0710	2,776.6161
Total	1.0877	0.6050	7.9312	0.0272	3.8161	0.0148	3.8308	1.0121	0.0136	1.0257		2,753.8852	2,753.8852	0.0629	0.0710	2,776.6161

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	37.6781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	37.7375	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0877	0.6050	7.9312	0.0272	3.8161	0.0148	3.8308	1.0121	0.0136	1.0257		2,753.8852	2,753.8852	0.0629	0.0710	2,776.6161
Total	1.0877	0.6050	7.9312	0.0272	3.8161	0.0148	3.8308	1.0121	0.0136	1.0257		2,753.8852	2,753.8852	0.0629	0.0710	2,776.6161

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	37.6781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	37.8489	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0332	0.5558	7.5492	0.0265	3.8161	0.0138	3.8299	1.0121	0.0127	1.0248		2,679.2358	2,679.2358	0.0581	0.0677	2,700.8502
Total	1.0332	0.5558	7.5492	0.0265	3.8161	0.0138	3.8299	1.0121	0.0127	1.0248		2,679.2358	2,679.2358	0.0581	0.0677	2,700.8502

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	37.6781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	37.7375	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0332	0.5558	7.5492	0.0265	3.8161	0.0138	3.8299	1.0121	0.0127	1.0248		2,679.2358	2,679.2358	0.0581	0.0677	2,700.8502
Total	1.0332	0.5558	7.5492	0.0265	3.8161	0.0138	3.8299	1.0121	0.0127	1.0248		2,679.2358	2,679.2358	0.0581	0.0677	2,700.8502

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	37.6781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	37.8489	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.9798	0.5137	7.2127	0.0258	3.8161	0.0130	3.8290	1.0121	0.0119	1.0240		2,611.5323	2,611.5323	0.0538	0.0648	2,632.1906
Total	0.9798	0.5137	7.2127	0.0258	3.8161	0.0130	3.8290	1.0121	0.0119	1.0240		2,611.5323	2,611.5323	0.0538	0.0648	2,632.1906

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	37.6781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	37.7375	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.9798	0.5137	7.2127	0.0258	3.8161	0.0130	3.8290	1.0121	0.0119	1.0240		2,611.5323	2,611.5323	0.0538	0.0648	2,632.1906
Total	0.9798	0.5137	7.2127	0.0258	3.8161	0.0130	3.8290	1.0121	0.0119	1.0240		2,611.5323	2,611.5323	0.0538	0.0648	2,632.1906

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	37.6781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	37.8088	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.9280	0.4775	6.9255	0.0252	3.8161	0.0121	3.8282	1.0121	0.0112	1.0233		2,550.4772	2,550.4772	0.0500	0.0624	2,570.3165
Total	0.9280	0.4775	6.9255	0.0252	3.8161	0.0121	3.8282	1.0121	0.0112	1.0233		2,550.4772	2,550.4772	0.0500	0.0624	2,570.3165

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	37.6781					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0114		281.7328
Total	37.7375	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0114		281.7328

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.9280	0.4775	6.9255	0.0252	3.8161	0.0121	3.8282	1.0121	0.0112	1.0233		2,550.4772	2,550.4772	0.0500	0.0624	2,570.3165
Total	0.9280	0.4775	6.9255	0.0252	3.8161	0.0121	3.8282	1.0121	0.0112	1.0233		2,550.4772	2,550.4772	0.0500	0.0624	2,570.3165

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Paving - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0361	0.0186	0.2691	9.8000e-004	0.1483	4.7000e-004	0.1488	0.0393	4.3000e-004	0.0398		99.1118	99.1118	1.9400e-003	2.4200e-003	99.8828
Total	0.0361	0.0186	0.2691	9.8000e-004	0.1483	4.7000e-004	0.1488	0.0393	4.3000e-004	0.0398		99.1118	99.1118	1.9400e-003	2.4200e-003	99.8828

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Paving - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0281		0.6093	0.6093		0.6093	0.6093	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5609	11.2952	17.2957	0.0281		0.6093	0.6093		0.6093	0.6093	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0361	0.0186	0.2691	9.8000e-004	0.1483	4.7000e-004	0.1488	0.0393	4.3000e-004	0.0398		99.1118	99.1118	1.9400e-003	2.4200e-003	99.8828
Total	0.0361	0.0186	0.2691	9.8000e-004	0.1483	4.7000e-004	0.1488	0.0393	4.3000e-004	0.0398		99.1118	99.1118	1.9400e-003	2.4200e-003	99.8828

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

- Increase Density
- Improve Walkability Design
- Improve Destination Accessibility
- Increase Transit Accessibility
- Integrate Below Market Rate Housing
- Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	27.2058	30.5049	240.9116	0.4618	60.1033	0.3651	60.4684	16.0108	0.3422	16.3530		46,966.50 61	46,966.50 61	3.2274	2.4401	47,774.33 06
Unmitigated	29.5423	34.8818	273.1964	0.5444	71.2354	0.4256	71.6610	18.9763	0.3991	19.3753		55,377.24 38	55,377.24 38	3.5881	2.7708	56,292.65 20

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	4,575.00	4,965.40	3836.90	11,859,256	10,005,989
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	7,313.74	7,946.82	7322.07	19,406,808	16,374,071
Total	11,888.74	12,912.22	11,158.97	31,266,064	26,380,060

4.3 Trip Type Information

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	13.00	5.00	5.00	35.80	21.00	43.20	90	6	4
Other Non-Asphalt Surfaces	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0
Single Family Housing	13.00	5.00	5.00	35.80	21.00	43.20	90	6	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.519871	0.059133	0.199493	0.135447	0.028418	0.007565	0.008311	0.005882	0.000876	0.000344	0.029338	0.000768	0.004554
Other Non-Asphalt Surfaces	0.519871	0.059133	0.199493	0.135447	0.028418	0.007565	0.008311	0.005882	0.000876	0.000344	0.029338	0.000768	0.004554
Single Family Housing	0.519871	0.059133	0.199493	0.135447	0.028418	0.007565	0.008311	0.005882	0.000876	0.000344	0.029338	0.000768	0.004554

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

Percent of Electricity Use Generated with Renewable Energy

Install Energy Efficient Appliances

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.8333	7.1205	3.0300	0.0455		0.5757	0.5757		0.5757	0.5757		9,090.0109	9,090.0109	0.1742	0.1667	9,144.0283
NaturalGas Unmitigated	0.8333	7.1205	3.0300	0.0455		0.5757	0.5757		0.5757	0.5757		9,090.0109	9,090.0109	0.1742	0.1667	9,144.0283

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	16491.4	0.1779	1.5198	0.6467	9.7000e-003		0.1229	0.1229		0.1229	0.1229		1,940.1618	1,940.1618	0.0372	0.0356	1,951.6912
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	60773.7	0.6554	5.6007	2.3833	0.0358		0.4528	0.4528		0.4528	0.4528		7,149.8491	7,149.8491	0.1370	0.1311	7,192.3371
Total		0.8333	7.1205	3.0300	0.0455		0.5757	0.5757		0.5757	0.5757		9,090.0109	9,090.0109	0.1742	0.1667	9,144.0283

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	16.4914	0.1779	1.5198	0.6467	9.7000e-003		0.1229	0.1229		0.1229	0.1229		1,940.1618	1,940.1618	0.0372	0.0356	1,951.6912
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	60.7737	0.6554	5.6007	2.3833	0.0358		0.4528	0.4528		0.4528	0.4528		7,149.8491	7,149.8491	0.1370	0.1311	7,192.3371
Total		0.8333	7.1205	3.0300	0.0455		0.5757	0.5757		0.5757	0.5757		9,090.0109	9,090.0109	0.1742	0.1667	9,144.0283

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	53.1610	1.3688	118.7403	6.2900e-003		0.6602	0.6602		0.6602	0.6602	0.0000	214.3731	214.3731	0.2043	0.0000	219.4796
Unmitigated	53.1610	1.3688	118.7403	6.2900e-003		0.6602	0.6602		0.6602	0.6602	0.0000	214.3731	214.3731	0.2043	0.0000	219.4796

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.6162					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	45.9928					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.5520	1.3688	118.7403	6.2900e-003		0.6602	0.6602		0.6602	0.6602		214.3731	214.3731	0.2043		219.4796
Total	53.1610	1.3688	118.7403	6.2900e-003		0.6602	0.6602		0.6602	0.6602	0.0000	214.3731	214.3731	0.2043	0.0000	219.4796

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.6162					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	45.9928					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.5520	1.3688	118.7403	6.2900e-003		0.6602	0.6602		0.6602	0.6602		214.3731	214.3731	0.2043		219.4796
Total	53.1610	1.3688	118.7403	6.2900e-003		0.6602	0.6602		0.6602	0.6602	0.0000	214.3731	214.3731	0.2043	0.0000	219.4796

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

Dana Reserve Residential - San Luis Obispo County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Dana Reserve Carbon Sequestration Loss - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Dana Reserve Carbon Sequestration Loss
San Luis Obispo County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	1.00	Dwelling Unit	0.32	1,800.00	3

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MW hr)	203.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Land Use Change - Onsite: 21.7ac oak forest, 75.3ac woodland, 35ac scrub, 125ac grassland, 3.2ac grassland, 5.1 ac grassland. Offsite: 0.05 ac scrub, 0.81 ac grassland

Sequestration - Assumes replacement of 194 oak trees and a minimum replacement of 1,500 trees for mitigation of indirect oak tree impacts. Does not include mitigation for offset ratios.

Table Name	Column Name	Default Value	New Value
tblSequestration	NumberOfNewTrees	0.00	194.00
tblSequestration	NumberOfNewTrees	0.00	1,500.00

2.0 Emissions Summary

Dana Reserve Carbon Sequestration Loss - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0316	0.3182	0.3224	5.2000e-004	6.1600e-003	0.0167	0.0228	2.7500e-003	0.0154	0.0181	0.0000	45.8903	45.8903	0.0140	1.0000e-005	46.2440
2023	0.0376	0.0909	0.1049	1.7000e-004	4.3000e-004	4.5200e-003	4.9600e-003	1.2000e-004	4.1800e-003	4.3000e-003	0.0000	14.8446	14.8446	4.4600e-003	1.0000e-005	14.9589
Maximum	0.0376	0.3182	0.3224	5.2000e-004	6.1600e-003	0.0167	0.0228	2.7500e-003	0.0154	0.0181	0.0000	45.8903	45.8903	0.0140	1.0000e-005	46.2440

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0316	0.3182	0.3224	5.2000e-004	6.1600e-003	0.0167	0.0228	2.7500e-003	0.0154	0.0181	0.0000	45.8902	45.8902	0.0140	1.0000e-005	46.2439
2023	0.0376	0.0909	0.1049	1.7000e-004	4.3000e-004	4.5200e-003	4.9600e-003	1.2000e-004	4.1800e-003	4.3000e-003	0.0000	14.8445	14.8445	4.4600e-003	1.0000e-005	14.9589
Maximum	0.0376	0.3182	0.3224	5.2000e-004	6.1600e-003	0.0167	0.0228	2.7500e-003	0.0154	0.0181	0.0000	45.8902	45.8902	0.0140	1.0000e-005	46.2439

Dana Reserve Carbon Sequestration Loss - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	8-28-2022	11-27-2022	0.2546	0.2546
2	11-28-2022	2-27-2023	0.2217	0.2217
		Highest	0.2546	0.2546

2.2 Overall Operational
Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0103	1.6000e-004	0.0136	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0222	0.0222	2.0000e-005	0.0000	0.0228
Energy	1.4000e-004	1.2300e-003	5.2000e-004	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	2.1458	2.1458	1.4000e-004	4.0000e-005	2.1614
Mobile	4.9400e-003	6.7500e-003	0.0432	8.0000e-005	8.8600e-003	8.0000e-005	8.9400e-003	2.3700e-003	8.0000e-005	2.4400e-003	0.0000	7.6921	7.6921	5.3000e-004	4.1000e-004	7.8266
Waste						0.0000	0.0000		0.0000	0.0000	0.2497	0.0000	0.2497	0.0148	0.0000	0.6186
Water						0.0000	0.0000		0.0000	0.0000	0.0207	0.0459	0.0666	2.1300e-003	5.0000e-005	0.1351
Total	0.0153	8.1400e-003	0.0574	9.0000e-005	8.8600e-003	2.6000e-004	9.1200e-003	2.3700e-003	2.6000e-004	2.6200e-003	0.2704	9.9061	10.1764	0.0176	5.0000e-004	10.7644

Dana Reserve Carbon Sequestration Loss - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.3 Vegetation

Vegetation

	CO2e
Category	MT
New Trees	1,204.396 0
Vegetation Land Change	- 11,846.22 91
Total	- 10,641.83 31

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/28/2022	9/9/2022	5	10	
2	Site Preparation	Site Preparation	9/10/2022	9/12/2022	5	1	
3	Grading	Grading	9/13/2022	9/14/2022	5	2	
4	Building Construction	Building Construction	9/15/2022	2/1/2023	5	100	
5	Paving	Paving	2/2/2023	2/8/2023	5	5	
6	Architectural Coating	Architectural Coating	2/9/2023	2/15/2023	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Residential Indoor: 3,645; Residential Outdoor: 1,215; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Grading	Graders	1	6.00	187	0.41
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	0.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Paving	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.5500e-003	0.0321	0.0374	6.0000e-005		1.6900e-003	1.6900e-003		1.6100e-003	1.6100e-003	0.0000	5.2068	5.2068	9.6000e-004	0.0000	5.2308
Total	3.5500e-003	0.0321	0.0374	6.0000e-005		1.6900e-003	1.6900e-003		1.6100e-003	1.6100e-003	0.0000	5.2068	5.2068	9.6000e-004	0.0000	5.2308

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	1.3000e-004	1.4300e-003	0.0000	4.8000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3809	0.3809	1.0000e-005	1.0000e-005	0.3847
Total	1.7000e-004	1.3000e-004	1.4300e-003	0.0000	4.8000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3809	0.3809	1.0000e-005	1.0000e-005	0.3847

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.5500e-003	0.0321	0.0374	6.0000e-005		1.6900e-003	1.6900e-003		1.6100e-003	1.6100e-003	0.0000	5.2068	5.2068	9.6000e-004	0.0000	5.2308
Total	3.5500e-003	0.0321	0.0374	6.0000e-005		1.6900e-003	1.6900e-003		1.6100e-003	1.6100e-003	0.0000	5.2068	5.2068	9.6000e-004	0.0000	5.2308

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	1.3000e-004	1.4300e-003	0.0000	4.8000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3809	0.3809	1.0000e-005	1.0000e-005	0.3847
Total	1.7000e-004	1.3000e-004	1.4300e-003	0.0000	4.8000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3809	0.3809	1.0000e-005	1.0000e-005	0.3847

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9000e-004	3.4700e-003	1.9800e-003	0.0000		1.3000e-004	1.3000e-004		1.2000e-004	1.2000e-004	0.0000	0.4275	0.4275	1.4000e-004	0.0000	0.4310
Total	2.9000e-004	3.4700e-003	1.9800e-003	0.0000	2.7000e-004	1.3000e-004	4.0000e-004	3.0000e-005	1.2000e-004	1.5000e-004	0.0000	0.4275	0.4275	1.4000e-004	0.0000	0.4310

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	7.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0191	0.0191	0.0000	0.0000	0.0192
Total	1.0000e-005	1.0000e-005	7.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0191	0.0191	0.0000	0.0000	0.0192

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9000e-004	3.4700e-003	1.9800e-003	0.0000		1.3000e-004	1.3000e-004		1.2000e-004	1.2000e-004	0.0000	0.4275	0.4275	1.4000e-004	0.0000	0.4310
Total	2.9000e-004	3.4700e-003	1.9800e-003	0.0000	2.7000e-004	1.3000e-004	4.0000e-004	3.0000e-005	1.2000e-004	1.5000e-004	0.0000	0.4275	0.4275	1.4000e-004	0.0000	0.4310

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3.3 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	7.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0191	0.0191	0.0000	0.0000	0.0192
Total	1.0000e-005	1.0000e-005	7.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0191	0.0191	0.0000	0.0000	0.0192

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.3100e-003	0.0000	5.3100e-003	2.5700e-003	0.0000	2.5700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0800e-003	0.0120	5.9400e-003	1.0000e-005		5.2000e-004	5.2000e-004		4.8000e-004	4.8000e-004	0.0000	1.2381	1.2381	4.0000e-004	0.0000	1.2482
Total	1.0800e-003	0.0120	5.9400e-003	1.0000e-005	5.3100e-003	5.2000e-004	5.8300e-003	2.5700e-003	4.8000e-004	3.0500e-003	0.0000	1.2381	1.2381	4.0000e-004	0.0000	1.2482

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3.4 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0610	0.0610	0.0000	0.0000	0.0615
Total	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0610	0.0610	0.0000	0.0000	0.0615

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.3100e-003	0.0000	5.3100e-003	2.5700e-003	0.0000	2.5700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0800e-003	0.0120	5.9400e-003	1.0000e-005		5.2000e-004	5.2000e-004		4.8000e-004	4.8000e-004	0.0000	1.2381	1.2381	4.0000e-004	0.0000	1.2482
Total	1.0800e-003	0.0120	5.9400e-003	1.0000e-005	5.3100e-003	5.2000e-004	5.8300e-003	2.5700e-003	4.8000e-004	3.0500e-003	0.0000	1.2381	1.2381	4.0000e-004	0.0000	1.2482

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0610	0.0610	0.0000	0.0000	0.0615
Total	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0610	0.0610	0.0000	0.0000	0.0615

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0264	0.2705	0.2754	4.4000e-004		0.0143	0.0143		0.0132	0.0132	0.0000	38.5569	38.5569	0.0125	0.0000	38.8686
Total	0.0264	0.2705	0.2754	4.4000e-004		0.0143	0.0143		0.0132	0.0132	0.0000	38.5569	38.5569	0.0125	0.0000	38.8686

Dana Reserve Carbon Sequestration Loss - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0264	0.2705	0.2754	4.4000e-004		0.0143	0.0143		0.0132	0.0132	0.0000	38.5568	38.5568	0.0125	0.0000	38.8686
Total	0.0264	0.2705	0.2754	4.4000e-004		0.0143	0.0143		0.0132	0.0132	0.0000	38.5568	38.5568	0.0125	0.0000	38.8686

Dana Reserve Carbon Sequestration Loss - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.2700e-003	0.0738	0.0816	1.3000e-004		3.6800e-003	3.6800e-003		3.3900e-003	3.3900e-003	0.0000	11.5240	11.5240	3.7300e-003	0.0000	11.6172
Total	7.2700e-003	0.0738	0.0816	1.3000e-004		3.6800e-003	3.6800e-003		3.3900e-003	3.3900e-003	0.0000	11.5240	11.5240	3.7300e-003	0.0000	11.6172

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.2700e-003	0.0738	0.0816	1.3000e-004		3.6800e-003	3.6800e-003		3.3900e-003	3.3900e-003	0.0000	11.5240	11.5240	3.7300e-003	0.0000	11.6171
Total	7.2700e-003	0.0738	0.0816	1.3000e-004		3.6800e-003	3.6800e-003		3.3900e-003	3.3900e-003	0.0000	11.5240	11.5240	3.7300e-003	0.0000	11.6171

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.5300e-003	0.0138	0.0176	3.0000e-005		6.6000e-004	6.6000e-004		6.2000e-004	6.2000e-004	0.0000	2.3498	2.3498	6.8000e-004	0.0000	2.3669
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.5300e-003	0.0138	0.0176	3.0000e-005		6.6000e-004	6.6000e-004		6.2000e-004	6.2000e-004	0.0000	2.3498	2.3498	6.8000e-004	0.0000	2.3669

Dana Reserve Carbon Sequestration Loss - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4000e-004	1.0000e-004	1.1900e-003	0.0000	4.3000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3325	0.3325	1.0000e-005	1.0000e-005	0.3355
Total	1.4000e-004	1.0000e-004	1.1900e-003	0.0000	4.3000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3325	0.3325	1.0000e-005	1.0000e-005	0.3355

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.5300e-003	0.0138	0.0176	3.0000e-005		6.6000e-004	6.6000e-004		6.2000e-004	6.2000e-004	0.0000	2.3498	2.3498	6.8000e-004	0.0000	2.3669
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.5300e-003	0.0138	0.0176	3.0000e-005		6.6000e-004	6.6000e-004		6.2000e-004	6.2000e-004	0.0000	2.3498	2.3498	6.8000e-004	0.0000	2.3669

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4000e-004	1.0000e-004	1.1900e-003	0.0000	4.3000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3325	0.3325	1.0000e-005	1.0000e-005	0.3355
Total	1.4000e-004	1.0000e-004	1.1900e-003	0.0000	4.3000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3325	0.3325	1.0000e-005	1.0000e-005	0.3355

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0282					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.8000e-004	3.2600e-003	4.5300e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6393
Total	0.0286	3.2600e-003	4.5300e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6393

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0282					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.8000e-004	3.2600e-003	4.5300e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6393
Total	0.0286	3.2600e-003	4.5300e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6393

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.9400e-003	6.7500e-003	0.0432	8.0000e-005	8.8600e-003	8.0000e-005	8.9400e-003	2.3700e-003	8.0000e-005	2.4400e-003	0.0000	7.6921	7.6921	5.3000e-004	4.1000e-004	7.8266
Unmitigated	4.9400e-003	6.7500e-003	0.0432	8.0000e-005	8.8600e-003	8.0000e-005	8.9400e-003	2.3700e-003	8.0000e-005	2.4400e-003	0.0000	7.6921	7.6921	5.3000e-004	4.1000e-004	7.8266

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	9.44	9.54	8.55	23,705	23,705
Total	9.44	9.54	8.55	23,705	23,705

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.492178	0.057147	0.202572	0.146456	0.036760	0.009141	0.008293	0.005994	0.000937	0.000362	0.032672	0.000959	0.006529

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.7248	0.7248	1.2000e-004	1.0000e-005	0.7319
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.7248	0.7248	1.2000e-004	1.0000e-005	0.7319
NaturalGas Mitigated	1.4000e-004	1.2300e-003	5.2000e-004	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.4211	1.4211	3.0000e-005	3.0000e-005	1.4295
NaturalGas Unmitigated	1.4000e-004	1.2300e-003	5.2000e-004	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.4211	1.4211	3.0000e-005	3.0000e-005	1.4295

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	26629.5	1.4000e-004	1.2300e-003	5.2000e-004	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.4211	1.4211	3.0000e-005	3.0000e-005	1.4295
Total		1.4000e-004	1.2300e-003	5.2000e-004	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.4211	1.4211	3.0000e-005	3.0000e-005	1.4295

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	26629.5	1.4000e-004	1.2300e-003	5.2000e-004	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.4211	1.4211	3.0000e-005	3.0000e-005	1.4295
Total		1.4000e-004	1.2300e-003	5.2000e-004	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.4211	1.4211	3.0000e-005	3.0000e-005	1.4295

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	7833.22	0.7248	1.2000e-004	1.0000e-005	0.7319
Total		0.7248	1.2000e-004	1.0000e-005	0.7319

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	7833.22	0.7248	1.2000e-004	1.0000e-005	0.7319
Total		0.7248	1.2000e-004	1.0000e-005	0.7319

6.0 Area Detail

6.1 Mitigation Measures Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0103	1.6000e-004	0.0136	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0222	0.0222	2.0000e-005	0.0000	0.0228
Unmitigated	0.0103	1.6000e-004	0.0136	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0222	0.0222	2.0000e-005	0.0000	0.0228

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.8200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	7.0300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.1000e-004	1.6000e-004	0.0136	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0222	0.0222	2.0000e-005	0.0000	0.0228
Total	0.0103	1.6000e-004	0.0136	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0222	0.0222	2.0000e-005	0.0000	0.0228

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.8200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	7.0300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.1000e-004	1.6000e-004	0.0136	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0222	0.0222	2.0000e-005	0.0000	0.0228
Total	0.0103	1.6000e-004	0.0136	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0222	0.0222	2.0000e-005	0.0000	0.0228

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0666	2.1300e-003	5.0000e-005	0.1351
Unmitigated	0.0666	2.1300e-003	5.0000e-005	0.1351

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	0.065154 / 0.0410754	0.0666	2.1300e-003	5.0000e-005	0.1351
Total		0.0666	2.1300e-003	5.0000e-005	0.1351

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	0.065154 / 0.0410754	0.0666	2.1300e-003	5.0000e-005	0.1351
Total		0.0666	2.1300e-003	5.0000e-005	0.1351

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.2497	0.0148	0.0000	0.6186
Unmitigated	0.2497	0.0148	0.0000	0.6186

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	1.23	0.2497	0.0148	0.0000	0.6186
Total		0.2497	0.0148	0.0000	0.6186

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	1.23	0.2497	0.0148	0.0000	0.6186
Total		0.2497	0.0148	0.0000	0.6186

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	-	0.0000	0.0000	-
	10,641.83			10,641.83
	31			31

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

11.1 Vegetation Land Change

Vegetation Type

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Grassland	0.81 / 0	-3.4911	0.0000	0.0000	-3.4911
Grassland	125 / 0	-538.7500	0.0000	0.0000	-538.7500
Grassland	8.3 / 0	-35.7730	0.0000	0.0000	-35.7730
Scrub	0.05 / 0	-0.7150	0.0000	0.0000	-0.7150
Scrub	35 / 0	-500.5000	0.0000	0.0000	-500.5000
Trees	21.7 / 0	-	0.0000	0.0000	-
		2,408.700			2,408.700
		0			0
Trees	75.3 / 0	-	0.0000	0.0000	-
		8,358.300			8,358.300
		0			0
Total		-	0.0000	0.0000	-
		11,846.22			11,846.22
		91			91

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

11.2 Net New Trees

Species Class

	Number of Trees	Total CO2	CH4	N2O	CO2e
		MT			
Miscellaneous	1500	1,062.000 0	0.0000	0.0000	1,062.000 0
Mixed Hardwood	194	142.3960	0.0000	0.0000	142.3960
Total		1,204.396 0	0.0000	0.0000	1,204.396 0

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**Dana Reserve Carbon Sequestration Loss
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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	1.00	Dwelling Unit	0.32	1,800.00	3

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MW hr)	203.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Land Use Change - Onsite: 21.7ac oak forest, 75.3ac woodland, 35ac scrub, 125ac grassland, 3.2ac grassland, 5.1 ac grassland. Offsite: 0.05 ac scrub, 0.81 ac grassland

Sequestration - Assumes replacement of 194 oak trees and a minimum replacement of 1,500 trees for mitigation of indirect oak tree impacts. Does not include mitigation for offset ratios.

Table Name	Column Name	Default Value	New Value
tblSequestration	NumberOfNewTrees	0.00	194.00
tblSequestration	NumberOfNewTrees	0.00	1,500.00

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0316	0.3182	0.3224	5.2000e-004	6.1600e-003	0.0167	0.0228	2.7500e-003	0.0154	0.0181	0.0000	45.8903	45.8903	0.0140	1.0000e-005	46.2440
2023	0.0376	0.0909	0.1049	1.7000e-004	4.3000e-004	4.5200e-003	4.9600e-003	1.2000e-004	4.1800e-003	4.3000e-003	0.0000	14.8446	14.8446	4.4600e-003	1.0000e-005	14.9589
Maximum	0.0376	0.3182	0.3224	5.2000e-004	6.1600e-003	0.0167	0.0228	2.7500e-003	0.0154	0.0181	0.0000	45.8903	45.8903	0.0140	1.0000e-005	46.2440

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0316	0.3182	0.3224	5.2000e-004	6.1600e-003	0.0167	0.0228	2.7500e-003	0.0154	0.0181	0.0000	45.8902	45.8902	0.0140	1.0000e-005	46.2439
2023	0.0376	0.0909	0.1049	1.7000e-004	4.3000e-004	4.5200e-003	4.9600e-003	1.2000e-004	4.1800e-003	4.3000e-003	0.0000	14.8445	14.8445	4.4600e-003	1.0000e-005	14.9589
Maximum	0.0376	0.3182	0.3224	5.2000e-004	6.1600e-003	0.0167	0.0228	2.7500e-003	0.0154	0.0181	0.0000	45.8902	45.8902	0.0140	1.0000e-005	46.2439

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	8-28-2022	11-27-2022	0.2546	0.2546
2	11-28-2022	2-27-2023	0.2217	0.2217
		Highest	0.2546	0.2546

2.2 Overall Operational
Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0103	1.6000e-004	0.0136	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0222	0.0222	2.0000e-005	0.0000	0.0228
Energy	1.4000e-004	1.2300e-003	5.2000e-004	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	2.1458	2.1458	1.4000e-004	4.0000e-005	2.1614
Mobile	4.9400e-003	6.7500e-003	0.0432	8.0000e-005	8.8600e-003	8.0000e-005	8.9400e-003	2.3700e-003	8.0000e-005	2.4400e-003	0.0000	7.6921	7.6921	5.3000e-004	4.1000e-004	7.8266
Waste						0.0000	0.0000		0.0000	0.0000	0.2497	0.0000	0.2497	0.0148	0.0000	0.6186
Water						0.0000	0.0000		0.0000	0.0000	0.0207	0.0459	0.0666	2.1300e-003	5.0000e-005	0.1351
Total	0.0153	8.1400e-003	0.0574	9.0000e-005	8.8600e-003	2.6000e-004	9.1200e-003	2.3700e-003	2.6000e-004	2.6200e-003	0.2704	9.9061	10.1764	0.0176	5.0000e-004	10.7644

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.3 Vegetation

Vegetation

	CO2e
Category	MT
New Trees	1,204.396 0
Vegetation Land Change	- 11,846.22 91
Total	- 10,641.83 31

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/28/2022	9/9/2022	5	10	
2	Site Preparation	Site Preparation	9/10/2022	9/12/2022	5	1	
3	Grading	Grading	9/13/2022	9/14/2022	5	2	
4	Building Construction	Building Construction	9/15/2022	2/1/2023	5	100	
5	Paving	Paving	2/2/2023	2/8/2023	5	5	
6	Architectural Coating	Architectural Coating	2/9/2023	2/15/2023	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Residential Indoor: 3,645; Residential Outdoor: 1,215; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Grading	Graders	1	6.00	187	0.41
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	0.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

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Paving	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.5500e-003	0.0321	0.0374	6.0000e-005		1.6900e-003	1.6900e-003		1.6100e-003	1.6100e-003	0.0000	5.2068	5.2068	9.6000e-004	0.0000	5.2308
Total	3.5500e-003	0.0321	0.0374	6.0000e-005		1.6900e-003	1.6900e-003		1.6100e-003	1.6100e-003	0.0000	5.2068	5.2068	9.6000e-004	0.0000	5.2308

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3.2 Demolition - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	1.3000e-004	1.4300e-003	0.0000	4.8000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3809	0.3809	1.0000e-005	1.0000e-005	0.3847
Total	1.7000e-004	1.3000e-004	1.4300e-003	0.0000	4.8000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3809	0.3809	1.0000e-005	1.0000e-005	0.3847

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.5500e-003	0.0321	0.0374	6.0000e-005		1.6900e-003	1.6900e-003		1.6100e-003	1.6100e-003	0.0000	5.2068	5.2068	9.6000e-004	0.0000	5.2308
Total	3.5500e-003	0.0321	0.0374	6.0000e-005		1.6900e-003	1.6900e-003		1.6100e-003	1.6100e-003	0.0000	5.2068	5.2068	9.6000e-004	0.0000	5.2308

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	1.3000e-004	1.4300e-003	0.0000	4.8000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3809	0.3809	1.0000e-005	1.0000e-005	0.3847
Total	1.7000e-004	1.3000e-004	1.4300e-003	0.0000	4.8000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3809	0.3809	1.0000e-005	1.0000e-005	0.3847

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9000e-004	3.4700e-003	1.9800e-003	0.0000		1.3000e-004	1.3000e-004		1.2000e-004	1.2000e-004	0.0000	0.4275	0.4275	1.4000e-004	0.0000	0.4310
Total	2.9000e-004	3.4700e-003	1.9800e-003	0.0000	2.7000e-004	1.3000e-004	4.0000e-004	3.0000e-005	1.2000e-004	1.5000e-004	0.0000	0.4275	0.4275	1.4000e-004	0.0000	0.4310

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	7.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0191	0.0191	0.0000	0.0000	0.0192
Total	1.0000e-005	1.0000e-005	7.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0191	0.0191	0.0000	0.0000	0.0192

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9000e-004	3.4700e-003	1.9800e-003	0.0000		1.3000e-004	1.3000e-004		1.2000e-004	1.2000e-004	0.0000	0.4275	0.4275	1.4000e-004	0.0000	0.4310
Total	2.9000e-004	3.4700e-003	1.9800e-003	0.0000	2.7000e-004	1.3000e-004	4.0000e-004	3.0000e-005	1.2000e-004	1.5000e-004	0.0000	0.4275	0.4275	1.4000e-004	0.0000	0.4310

Dana Reserve Carbon Sequestration Loss - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	7.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0191	0.0191	0.0000	0.0000	0.0192
Total	1.0000e-005	1.0000e-005	7.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0191	0.0191	0.0000	0.0000	0.0192

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.3100e-003	0.0000	5.3100e-003	2.5700e-003	0.0000	2.5700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0800e-003	0.0120	5.9400e-003	1.0000e-005		5.2000e-004	5.2000e-004		4.8000e-004	4.8000e-004	0.0000	1.2381	1.2381	4.0000e-004	0.0000	1.2482
Total	1.0800e-003	0.0120	5.9400e-003	1.0000e-005	5.3100e-003	5.2000e-004	5.8300e-003	2.5700e-003	4.8000e-004	3.0500e-003	0.0000	1.2381	1.2381	4.0000e-004	0.0000	1.2482

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0610	0.0610	0.0000	0.0000	0.0615
Total	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0610	0.0610	0.0000	0.0000	0.0615

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.3100e-003	0.0000	5.3100e-003	2.5700e-003	0.0000	2.5700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0800e-003	0.0120	5.9400e-003	1.0000e-005		5.2000e-004	5.2000e-004		4.8000e-004	4.8000e-004	0.0000	1.2381	1.2381	4.0000e-004	0.0000	1.2482
Total	1.0800e-003	0.0120	5.9400e-003	1.0000e-005	5.3100e-003	5.2000e-004	5.8300e-003	2.5700e-003	4.8000e-004	3.0500e-003	0.0000	1.2381	1.2381	4.0000e-004	0.0000	1.2482

Dana Reserve Carbon Sequestration Loss - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0610	0.0610	0.0000	0.0000	0.0615
Total	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0610	0.0610	0.0000	0.0000	0.0615

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0264	0.2705	0.2754	4.4000e-004		0.0143	0.0143		0.0132	0.0132	0.0000	38.5569	38.5569	0.0125	0.0000	38.8686
Total	0.0264	0.2705	0.2754	4.4000e-004		0.0143	0.0143		0.0132	0.0132	0.0000	38.5569	38.5569	0.0125	0.0000	38.8686

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0264	0.2705	0.2754	4.4000e-004		0.0143	0.0143		0.0132	0.0132	0.0000	38.5568	38.5568	0.0125	0.0000	38.8686
Total	0.0264	0.2705	0.2754	4.4000e-004		0.0143	0.0143		0.0132	0.0132	0.0000	38.5568	38.5568	0.0125	0.0000	38.8686

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.2700e-003	0.0738	0.0816	1.3000e-004		3.6800e-003	3.6800e-003		3.3900e-003	3.3900e-003	0.0000	11.5240	11.5240	3.7300e-003	0.0000	11.6172
Total	7.2700e-003	0.0738	0.0816	1.3000e-004		3.6800e-003	3.6800e-003		3.3900e-003	3.3900e-003	0.0000	11.5240	11.5240	3.7300e-003	0.0000	11.6172

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.2700e-003	0.0738	0.0816	1.3000e-004		3.6800e-003	3.6800e-003		3.3900e-003	3.3900e-003	0.0000	11.5240	11.5240	3.7300e-003	0.0000	11.6171
Total	7.2700e-003	0.0738	0.0816	1.3000e-004		3.6800e-003	3.6800e-003		3.3900e-003	3.3900e-003	0.0000	11.5240	11.5240	3.7300e-003	0.0000	11.6171

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.5300e-003	0.0138	0.0176	3.0000e-005		6.6000e-004	6.6000e-004		6.2000e-004	6.2000e-004	0.0000	2.3498	2.3498	6.8000e-004	0.0000	2.3669
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.5300e-003	0.0138	0.0176	3.0000e-005		6.6000e-004	6.6000e-004		6.2000e-004	6.2000e-004	0.0000	2.3498	2.3498	6.8000e-004	0.0000	2.3669

Dana Reserve Carbon Sequestration Loss - San Luis Obispo County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4000e-004	1.0000e-004	1.1900e-003	0.0000	4.3000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3325	0.3325	1.0000e-005	1.0000e-005	0.3355
Total	1.4000e-004	1.0000e-004	1.1900e-003	0.0000	4.3000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3325	0.3325	1.0000e-005	1.0000e-005	0.3355

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.5300e-003	0.0138	0.0176	3.0000e-005		6.6000e-004	6.6000e-004		6.2000e-004	6.2000e-004	0.0000	2.3498	2.3498	6.8000e-004	0.0000	2.3669
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.5300e-003	0.0138	0.0176	3.0000e-005		6.6000e-004	6.6000e-004		6.2000e-004	6.2000e-004	0.0000	2.3498	2.3498	6.8000e-004	0.0000	2.3669

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4000e-004	1.0000e-004	1.1900e-003	0.0000	4.3000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3325	0.3325	1.0000e-005	1.0000e-005	0.3355
Total	1.4000e-004	1.0000e-004	1.1900e-003	0.0000	4.3000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3325	0.3325	1.0000e-005	1.0000e-005	0.3355

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0282					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.8000e-004	3.2600e-003	4.5300e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6393
Total	0.0286	3.2600e-003	4.5300e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6393

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3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0282					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.8000e-004	3.2600e-003	4.5300e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6393
Total	0.0286	3.2600e-003	4.5300e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6393

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4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.9400e-003	6.7500e-003	0.0432	8.0000e-005	8.8600e-003	8.0000e-005	8.9400e-003	2.3700e-003	8.0000e-005	2.4400e-003	0.0000	7.6921	7.6921	5.3000e-004	4.1000e-004	7.8266
Unmitigated	4.9400e-003	6.7500e-003	0.0432	8.0000e-005	8.8600e-003	8.0000e-005	8.9400e-003	2.3700e-003	8.0000e-005	2.4400e-003	0.0000	7.6921	7.6921	5.3000e-004	4.1000e-004	7.8266

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	9.44	9.54	8.55	23,705	23,705
Total	9.44	9.54	8.55	23,705	23,705

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.492178	0.057147	0.202572	0.146456	0.036760	0.009141	0.008293	0.005994	0.000937	0.000362	0.032672	0.000959	0.006529

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.7248	0.7248	1.2000e-004	1.0000e-005	0.7319
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.7248	0.7248	1.2000e-004	1.0000e-005	0.7319
NaturalGas Mitigated	1.4000e-004	1.2300e-003	5.2000e-004	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.4211	1.4211	3.0000e-005	3.0000e-005	1.4295
NaturalGas Unmitigated	1.4000e-004	1.2300e-003	5.2000e-004	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.4211	1.4211	3.0000e-005	3.0000e-005	1.4295

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	26629.5	1.4000e-004	1.2300e-003	5.2000e-004	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.4211	1.4211	3.0000e-005	3.0000e-005	1.4295
Total		1.4000e-004	1.2300e-003	5.2000e-004	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.4211	1.4211	3.0000e-005	3.0000e-005	1.4295

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	26629.5	1.4000e-004	1.2300e-003	5.2000e-004	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.4211	1.4211	3.0000e-005	3.0000e-005	1.4295
Total		1.4000e-004	1.2300e-003	5.2000e-004	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.4211	1.4211	3.0000e-005	3.0000e-005	1.4295

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	7833.22	0.7248	1.2000e-004	1.0000e-005	0.7319
Total		0.7248	1.2000e-004	1.0000e-005	0.7319

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	7833.22	0.7248	1.2000e-004	1.0000e-005	0.7319
Total		0.7248	1.2000e-004	1.0000e-005	0.7319

6.0 Area Detail

6.1 Mitigation Measures Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0103	1.6000e-004	0.0136	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0222	0.0222	2.0000e-005	0.0000	0.0228
Unmitigated	0.0103	1.6000e-004	0.0136	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0222	0.0222	2.0000e-005	0.0000	0.0228

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.8200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	7.0300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.1000e-004	1.6000e-004	0.0136	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0222	0.0222	2.0000e-005	0.0000	0.0228
Total	0.0103	1.6000e-004	0.0136	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0222	0.0222	2.0000e-005	0.0000	0.0228

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.8200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	7.0300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.1000e-004	1.6000e-004	0.0136	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0222	0.0222	2.0000e-005	0.0000	0.0228
Total	0.0103	1.6000e-004	0.0136	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0222	0.0222	2.0000e-005	0.0000	0.0228

7.0 Water Detail

7.1 Mitigation Measures Water

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0666	2.1300e-003	5.0000e-005	0.1351
Unmitigated	0.0666	2.1300e-003	5.0000e-005	0.1351

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	0.065154 / 0.0410754	0.0666	2.1300e-003	5.0000e-005	0.1351
Total		0.0666	2.1300e-003	5.0000e-005	0.1351

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	0.065154 / 0.0410754	0.0666	2.1300e-003	5.0000e-005	0.1351
Total		0.0666	2.1300e-003	5.0000e-005	0.1351

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.2497	0.0148	0.0000	0.6186
Unmitigated	0.2497	0.0148	0.0000	0.6186

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	1.23	0.2497	0.0148	0.0000	0.6186
Total		0.2497	0.0148	0.0000	0.6186

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	1.23	0.2497	0.0148	0.0000	0.6186
Total		0.2497	0.0148	0.0000	0.6186

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	-	0.0000	0.0000	-
	10,641.83			10,641.83
	31			31

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11.1 Vegetation Land Change

Vegetation Type

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Grassland	0.81 / 0	-3.4911	0.0000	0.0000	-3.4911
Grassland	125 / 0	-538.7500	0.0000	0.0000	-538.7500
Grassland	8.3 / 0	-35.7730	0.0000	0.0000	-35.7730
Scrub	0.05 / 0	-0.7150	0.0000	0.0000	-0.7150
Scrub	35 / 0	-500.5000	0.0000	0.0000	-500.5000
Trees	21.7 / 0	-	0.0000	0.0000	-
		2,408.700 0			2,408.700 0
Trees	75.3 / 0	-	0.0000	0.0000	-
		8,358.300 0			8,358.300 0
Total		- 11,846.22 91	0.0000	0.0000	- 11,846.22 91

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11.2 Net New Trees

Species Class

	Number of Trees	Total CO2	CH4	N2O	CO2e
		MT			
Miscellaneous	1500	1,062.000 0	0.0000	0.0000	1,062.000 0
Mixed Hardwood	194	142.3960	0.0000	0.0000	142.3960
Total		1,204.396 0	0.0000	0.0000	1,204.396 0