

APPENDIX C
GREENHOUSE GAS TECHNICAL REPORT



Greenhouse Gas Technical Report

Pediatric Mental and Behavioral Health Campus Project

October 7, 2022



Greenhouse Gas Technical Report

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Acronyms and Abbreviations

Term	Definitions
°C	Celsius
°F	Fahrenheit
AB	Assembly Bill
CAA	Clean Air Act
CalEEMod	California Emissions Estimator Model
CalEPA	California Environmental Protection Agency
CalRecycle	California Department of Resources Recycling and Recovery
CAP	Climate Action Plan
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CCR	California Code of Regulations
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CH ₄	methane
City	City of San Diego
CNRA	California Natural Resources Agency
CO ₂	carbon dioxide
CO ₂ e	carbon dioxide equivalent
County	County of San Diego
EMFAC	on-road vehicle emissions factor model
EPA	Environmental Protection Agency
GHG	greenhouse gas
GVW	gross vehicle weight
GWP	Global Warming Potential
HFCs	hydrofluorocarbons

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Term	Definitions
HSC	Health and Safety Code
I	Interstate
IPCC	Intergovernmental Panel on Climate Change
JJC	Juvenile Justice Campus
LCFS	Low Carbon Fuel Standard
LVW	loaded vehicle weight
MBH	Mental and Behavioral Health
MMT	million metric tons
MPO	Metropolitan Planning Organization
N ₂ O	nitrous oxide
NHTSA	National Highway Traffic Safety Administration
OPR	Governor's Office of Planning and Research
PFCs	perfluorocarbons
Project	Pediatric Mental and Behavioral Health Campus Project
RCHSD	Rady Children's Hospital-San Diego
ROW	right-of-way
RTP	Regional Transportation Plan
SANDAG	San Diego Association of Governments
SB	Senate Bill
SCAQMD	South Coast Air Quality Management District
Scoping Plan	Climate Change Scoping Plan
SCS	Sustainable Communities Strategy
SEIR	Supplementary Environmental Impact Report
SF	square feet
SF ₆	hexafluoride

Term	Definitions
SR	State Route
USDOT	U.S. Department of Transportation
VMT	vehicle miles traveled
YTC	Youth Transition Campus

1. Introduction

This greenhouse gas (GHG) technical study analyzes the proposed Pediatric Mental and Behavioral Health Campus (MBH) Project (Project). The Project site is located on County of San Diego (County) -owned land within the City of San Diego (City), south of the Interstate (I-) 805 and State Route (SR-) 163 interchange in the Serra Mesa Community (Figure 1). The 4.35-acre Project site is located along Birmingham Way on the San Diego Juvenile Justice Campus (JJC), now known as the Youth Transition Campus (YTC), and is adjacent to the Rady Children's Hospital-San Diego (RCHSD) and Sharp Memorial Hospital campuses.

This greenhouse gas technical study was prepared to support the County of San Diego environmental review process. This report analyzes the significance of the proposed Project's consistency with applicable regional and statewide plans for the purpose of reducing greenhouse gas emissions.

1.1 Project Description

The Project is Ground Lease and Operating Agreement enabling the construction and operation of a Pediatric MBH, a joint initiative between the County of San Diego and RCHSD. The Project site consists of a paved surface parking lot located on the YTC (Figure 2).

1.1.1 Project Background

The Project site is included in the site boundary for the YTC Redevelopment Project. The YTC Redevelopment Project consists of the redevelopment and reorganization of the YTC on a 31.5-acre site, including the Pediatric MBH Project site. The YTC Redevelopment Project was proposed in multiple phases; Phase 3 includes demolition of the existing Juvenile Probation Center and construction of a new Juvenile Probation Center adjacent to the west side of the Pediatric MBH Project site boundary. That activity has not yet occurred. The Pediatric MBH Project was not identified as a component of the YTC Redevelopment Project.

1.1.2 Project Components

The Project would provide child and adolescent mental and behavioral health services. The Project would result in the expansion of the existing County and RCHSD child and adolescent psychiatric inpatient services and outpatient programs. The Pediatric MBH would offer the complete spectrum of care that includes an acute psychiatric hospital, a crisis stabilization unit, and outpatient transitional services.

- The Project consists of the following components (Figure 3):
- Two new patient care buildings
- One new parking structure
- Two new driveways on Birmingham Way
- Reconfiguration of the existing southern driveway on Meadow Lark Drive
- Service Access, Service Yard, and Fire Lanes
- Roadway improvements along Birmingham Way
- Utility improvements to connection points within Birmingham Way

The key Project components are described in more detail below.

1.1.2.1 Buildings

The Project includes construction of two new patient care buildings totaling approximately 93,000 square feet (SF). These are the Outpatient Psychiatric Clinic and the Inpatient Acute Psychiatric Hospital. The approximately 11,000-SF Outpatient Psychiatric Clinic would provide outpatient services, administration and academic services, clinical ancillary services, and facility support services. The facility would be constructed on the north-central area of the Project site and would be a one-story building.

The approximately 82,000-SF Inpatient Acute Psychiatric Hospital would include the Acute Psychiatric Unit and the Crisis Stabilization Unit with a combined total of 84 beds. It would have a secure vehicular sallyport to provide a secure entry for patients arriving by ambulance or law enforcement and a separate pedestrian sallyport for patients arriving with their parents or a guardian. This building would be constructed on the eastern portion of the Project site and would be a four-story building.

1.1.2.2 Parking Structure

A new, up to approximately 369,000-SF, eleven-level including a partial height basement level, open-air parking structure would be constructed at the southwestern corner of the Project site. The parking structure would have up to approximately 900 parking spaces. The new parking structure would have three entrance/exits located in the southeastern, northeastern, and southwestern corners of the parking structure and would not exceed 117 feet in height. The parking structure would serve both the proposed Pediatric MBH Program and the existing County's Juvenile Court and Juvenile Probation Center.

1.1.2.3 Site Access Driveways

Current vehicle access to the existing surface parking lot is from Meadow Lark Drive on the west via two driveways, one located on each side of the County's Juvenile Probation Building. The Project would not include the northern driveway. The southern driveway on Meadow Lark Drive would be reconfigured within the existing curb. Two new driveways would be constructed on Birmingham Way for site access, one on the northwestern corner of the Project site and the other located at the northeast end of the Project site.

1.1.2.4 Birmingham Way Roadway Improvements

The following off-site circulation improvements are proposed along Birmingham Way on the north side of the Project site within the City of San Diego-owned right-of-way (ROW):

- Provision of dedicated right-turn lanes into each of the two new Project driveways along Birmingham Way (i.e., the northwestern and eastern driveways)
- Provision of a dedicated left-turn lane into the northwestern driveway, opposite Birmingham Drive
- Construction of new curb, sidewalk, and patient drop-off area along Birmingham Way between the two driveways

These improvements may include removal of existing pavement and new sidewalks and landscaping along Birmingham Way, as well as restriping.

1.1.2.5 Construction Activities

The pavement of the portion of the existing surface parking lot within the Project site boundary (approximately 116,000 SF) would be removed to allow for the construction of the Project components described above. An existing retaining wall along the east side of the parking lot would remain.

Other site preparation and demolition activities would include:

1. Soil removal as required for construction of basement-level parking and retaining walls along the light wells around the Parking Structure

2. Removal of existing trees and vegetation (landscaped areas)
3. Relocation of existing underground domestic water, fire water, stormwater, and sanitary sewer connections that serve existing buildings on the YTC site and that would conflict with the construction of the Pediatric MBH site
4. Trenching (approximately 600 linear feet) would be required in Birmingham Way and Children's Way to install the offsite sewer line connection, and approximately 300 linear feet of trenching may also be required to install electrical conduit within Birmingham Way.

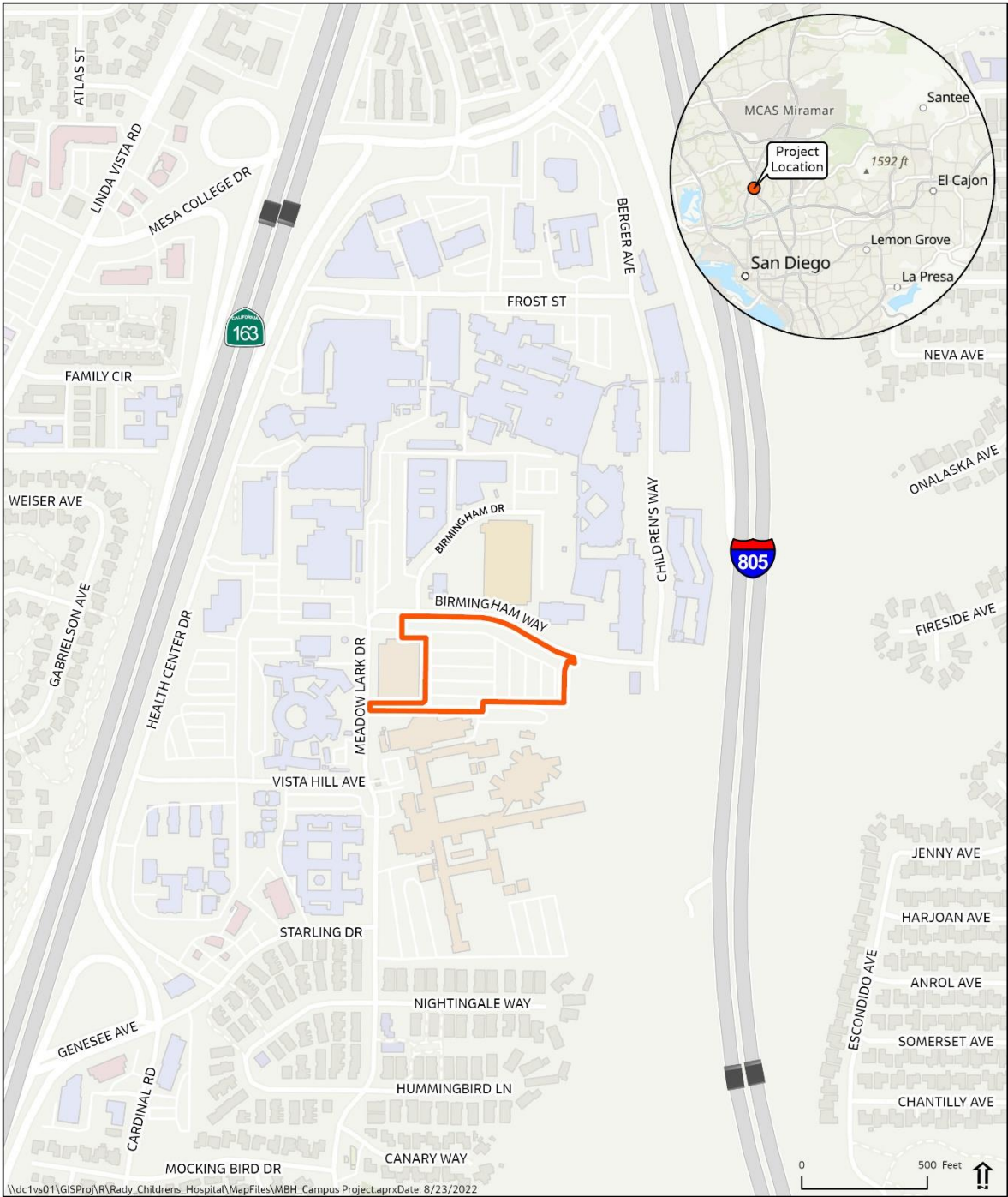
Construction of the Project is expected to take 24 to 30 months. Construction would begin with demolition of the surface parking lot and is expected to start in 2024.

1.1.3 Operations

The Pediatric MBH is expected to have a total of approximately 80 to 90 staff. The Outpatient Psychiatric Clinic is expected to serve approximately 72 patients per day split approximately evenly between morning and afternoon patient blocks. The Inpatient Acute Psychiatric Hospital would accommodate overnight patients not to exceed the total of its 84 overnight bed capacity. Up to approximately 168 visitors are expected daily during visiting hours between 6 to 8 p.m.

Emergency power for the Pediatric MBH Project would be provided by a new generator that would be installed on the Project site. The generator would be installed in an exterior, sound-attenuated fashion to provide additional sound attenuation beyond that provided by a standard enclosure.

Figure 1: Regional Map



Project Site Boundary

Pediatric Mental and Behavioral Health Campus
Regional Map

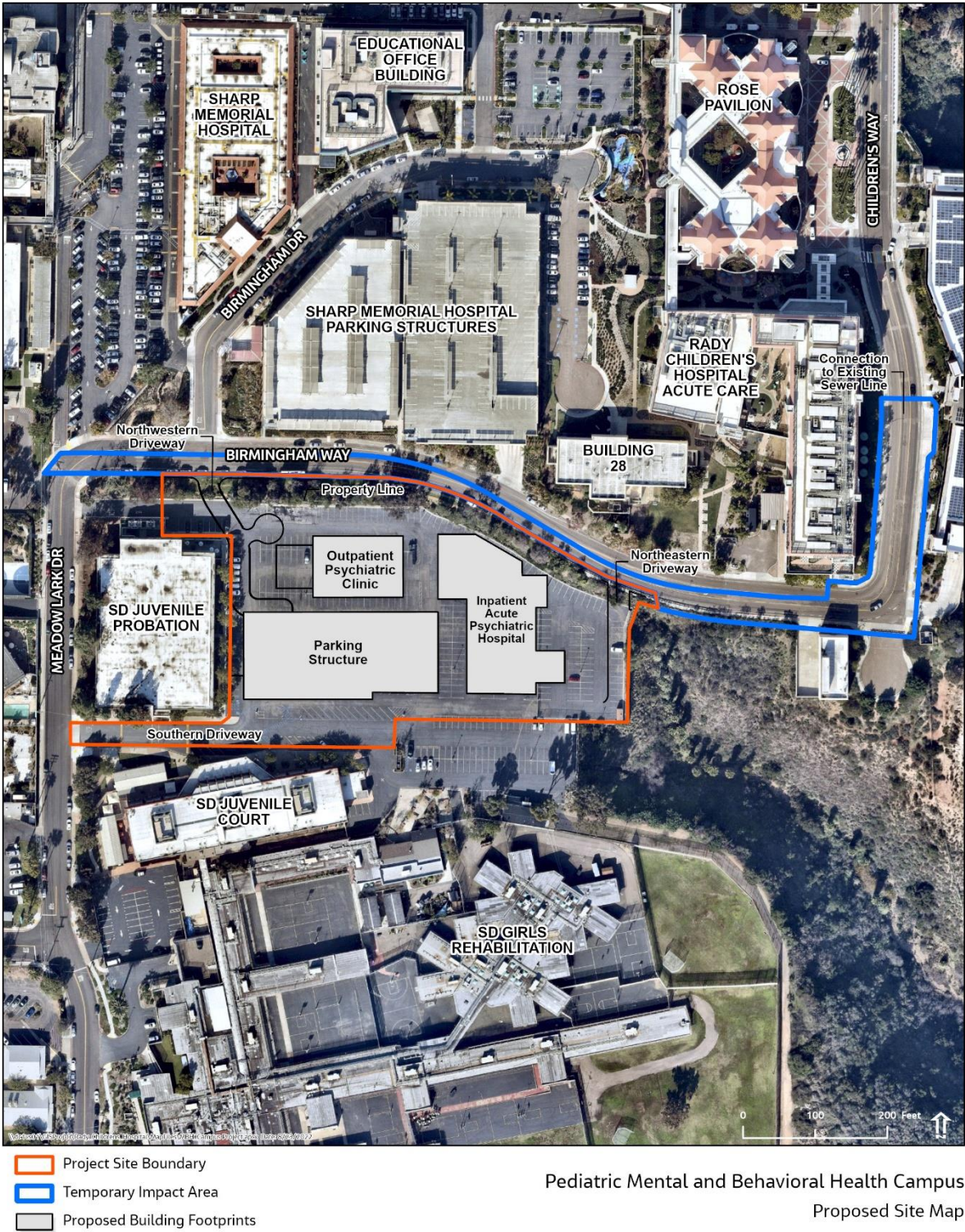
Figure 2: Existing Conditions Map



Pediatric Mental and Behavioral Health Campus
Existing Conditions Map

Imagery Source:
San Diego Association Of Governments (Sandag) 2020

Figure 3: Site Map



2. Environmental Setting

Global climate change refers to changes in average climatic conditions on Earth as a whole, including changes in temperature, wind patterns, precipitation, and storms. Historical records indicate that global climate changes have occurred in the past due to natural phenomena; however, data indicates that the current global conditions differ from past climate changes in rate and magnitude. The current increased changes in global climate have been attributed to anthropogenic (i.e., human-caused) activities by the Intergovernmental Panel on Climate Change (IPCC2013). GHGs trap long-wave radiation or heat in the atmosphere, which heats the surface of the Earth. Without human intervention, the Earth maintains an approximate balance between the GHG emissions in the atmosphere and the storage of GHGs in the oceans and terrestrial ecosystems. GHGs are the result of both natural and anthropogenic activities. Forest fires, decomposition, industrial processes, landfills, and consumption of fossil fuels for power generation, transportation, heating, and cooking are the primary sources of GHG emissions.

The federal government and State of California recognized that anthropogenic GHG emissions are contributing to changes in the global climate; and such changes are having and will have adverse effects on the environment, the economy, and public health. While worldwide contributions of GHG emissions are expected to have widespread consequences, it is not possible to link particular changes to the environment of California or elsewhere to GHGs emitted from a particular source or location. In other words, emissions of GHGs have the potential to cause global impacts rather than local impacts. Increased concentrations of GHGs in the Earth's atmosphere have been linked to global climate change and such conditions as rising surface temperatures, melting icebergs and snowpack, rising sea levels, and the increased frequency and magnitude of severe weather conditions. Existing climate change models also show that climate warming portends a variety of impacts on agriculture, including loss of microclimates that support specific crops, increased pressure from invasive weeds and diseases, and loss of productivity due to changes in water reliability and availability. In addition, rising temperatures and shifts in microclimates associated with global climate change are expected to increase the frequency and intensity of wildfires. California law defines GHGs to include the following compounds: carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF₆) (CEQA 2013).

The most common GHG that results from human activity is CO₂, which represents 79 percent of total anthropogenic GHG emissions in the atmosphere (as of 2020 data) (EPA 2022a), followed by CH₄ and N₂O. Scientists have established a Global Warming Potential (GWP) to gauge the potency of each GHG's ability to absorb and re emit long-wave radiation. The GWP of a gas is determined using CO₂ as the reference gas with a GWP of 1 over 100 years. For example, a gas with a GWP of 10 is 10 times more potent than CO₂ over 100 years. The sum of each GHG multiplied by its associated GWP is referred to as carbon dioxide equivalents (CO₂e). The measurement unit of CO₂e is used to report the combined potency of GHG emissions. The IPCC updated the GWP values based on the latest science in its Fifth Assessment Report (AR5). Although GWPs have been updated in IPCC AR5, the California Air Resources Board (CARB) uses GWPs from IPCC AR4 for its most recent GHG emissions inventory.¹ Compounds that are regulated as GHGs are discussed below (IPCC 1995, 2007).

- **Carbon Dioxide (CO₂):** the most abundant GHG in the atmosphere, primarily generated from fossil fuel combustion from stationary and mobile sources. CO₂ has a GWP of 1 and, therefore, is the reference gas for determining the GWPs of all other GHGs.
- **Methane (CH₄):** emitted from biogenic sources (i.e., resulting from the activity of living organisms), incomplete combustion in forest fires, landfills, manure management, and leaks in natural gas pipelines. CH₄ has a GWP of 25.

¹ GWPs and associated CO₂e values were developed by the Intergovernmental Panel on Climate Change (IPCC), and published in its Second Assessment Report (SAR) in, 1996. Historically, GHG emission inventories have been calculated using the GWPs from the IPCC's SAR. The IPCC updated the GWP values based on the science in its Fourth Assessment Report (AR4). CARB reports GHG emission inventories for California using the GWP values from the IPCC AR4.

- **Nitrous Oxide (N₂O):** produced by human-related sources including agricultural soil management, animal manure management, sewage treatment, mobile and stationary combustion of fossil fuel, adipic acid production, and nitric acid production. N₂O has a GWP of 298.
- **Hydrofluorocarbons (HFCs):** fluorinated compounds consisting of hydrogen, carbon, and fluorine, typically used as refrigerants in both stationary refrigeration and mobile air conditioning systems. HFCs have GWPs ranging from 124 to 14,800.
- **Perfluorocarbons (PFCs):** fluorinated compounds consisting of carbon and fluorine, primarily created as a byproduct of aluminum production and semiconductor manufacturing. PFCs have GWPs ranging from 7,390 to 127,200.
- **Sulfur Hexafluoride (SF₆):** fluorinated compound consisting of sulfur and fluoride, a colorless, odorless, nontoxic, nonflammable gas most commonly used as an electrical insulator in high-voltage equipment that transmits and distributes electricity. SF₆ has a GWP of 22,800.

Worldwide, man-made emissions of GHGs were approximately 49,000 million metric tons (MMT) of CO₂e in 2010 including ongoing emissions from industrial and agricultural sources and emissions from land use changes (e.g., deforestation). Emissions of CO₂ from fossil fuel use and industrial processes account for 65 percent of the total, while CO₂ emissions from all sources account for 76 percent of the total GHG emissions. Methane emissions account for 16 percent and N₂O emissions for 6.2 percent. In 2015, the United States was the world's second largest emitter of CO₂ at 5,150 MMT; China was the largest emitter of CO₂ at 10,700 MMT (PBL Netherlands Environmental Assessment Agency and the European Commission Joint Research Center 2016).

The California Air Resources Board (CARB) compiles GHG inventories for the State of California. Based on the 2019 GHG inventory data (i.e., the latest year for which data are available from CARB, California emitted 418.2 MMTCO₂e, including emissions resulting from imported electrical power, and 396.5 MMTCO₂e, excluding emissions related to imported power. Since 2007, statewide GHG emissions have followed a declining trend, and 2019 emissions were 6.9 MMTCO₂e lower than 2018 (CARB 2021). Between 1990 and 2019, the population of California grew by approximately 9.8 million (from 29.8 to 39.5 million), which represents an increase of approximately 33 percent from 1990 population levels (U.S. Census 2021). In addition, the California economy, measured as gross state product, grew from \$773 billion in 1990 to \$3.1 trillion in 2019 representing an increase of approximately four times the 1990 gross state product (California Department of Finance 2022). Despite the population and economic growth, California's net GHG emissions decreased by approximately 3 percent between 1990 and 2019. According to CARB, the declining trend coupled with the state's GHG reduction programs (such as the Renewables Portfolio Standard, Low Carbon Fuel Standard (LCFS), vehicle efficiency standards, and declining caps under the Cap-and-Trade Program) demonstrate that California is on track to meet the 2020 GHG reduction target codified in California Health and Safety Code (HSC), Division 25.5, also known as The Global Warming Solutions Act of 2006 (Assembly Bill [AB] 32). Table 1 identifies and quantifies statewide anthropogenic GHG emissions and sinks (e.g., areas of carbon sequestration due to forest growth) in 1990 and 2019 (i.e., the most recent year for which data are available from CARB). As shown in the table, the transportation sector is the largest contributor in 2019 to statewide GHG emissions at 40 percent.

Table 1: State of California Greenhouse Gas Emissions

Category	Total 1990 Emissions using IPCC SAR (MMTCO ₂ e)	Percent of Total 1990 Emissions	Total 2019 Emissions using IPCC AR4 (MMTCO ₂ e)	Percent of Total 2019 Emissions
Transportation	150.7	35%	166.1	40%
Electric Power	110.6	26%	58.8	14%
Commercial	14.4	3%	15.8	4%
Residential	29.7	7%	28.0	7%

Table 1: State of California Greenhouse Gas Emissions

Category	Total 1990 Emissions using IPCC SAR (MMTCO ₂ e)	Percent of Total 1990 Emissions	Total 2019 Emissions using IPCC AR4 (MMTCO ₂ e)	Percent of Total 2019 Emissions
Industrial	103.0	24%	88.2	21%
Recycling and Waste ^a	—	—	8.9	2%
High GWP/Non-Specified ^b	1.3	<1%	20.6	5%
Agriculture/Forestry	23.6	6%	31.8	8%
Forestry Sinks	-6.7	-2%	-- ^c	--
Net Total (IPCC SAR)	426.6	100%^e	--	--
Net Total (IPCC AR4) ^d	431.0	100%^e	418.2	100%^e

NOTES:

a Included in other categories for the 1990 emissions inventory.

b High GWP gases are not specifically called out in the 1990 emissions inventory.

c Revised methodology under development (not reported for 2019).

d California Air Resources Board (CARB) revised the State's 1990 level GHG emissions using GWPs from the Intergovernmental Panel on Climate Change Fourth Assessment Report (IPCC AR4).

e Total of individual percentages may not add up to 100% due to rounding

Sources: CARB 2017a. CARB 2021.

A San Diego regional emissions inventory that was prepared by the County of San Diego accounted for the unique characteristics of the region (County of San Diego 2018). Its 2014 emissions inventory for the County of San Diego is presented in Table 2. The sectors included in this inventory are somewhat different from those in the statewide inventory. Similar to statewide emissions, transportation-related GHG emissions contributed the most countywide, followed by emissions associated with energy use.

Table 2: San Diego County GHG Emissions by Sector (2014)

Emissions Sector	Emissions (MMTCO ₂ e)	Percent of Total 2014 Emissions
On-road Transportation	1,456,060	45
Electricity	760,638	24
Solid Waste	338,107	11
Natural Gas	290,712	9
Agriculture	163,696	5
Water	134,269	4
Off-road Transportation	36,927	1
Wastewater	21,183	1
Propane	9,914	<1
Net Total (IPCC AR4)	3,211,505	100%

Notes:

a) Columns may not add to totals due to rounding.

Source: County of San Diego 2018

2.1 Effects of Global Climate Change

The scientific community's understanding of the fundamental processes responsible for global climate change has improved over the past decade, and its predictive capabilities are advancing. However, significant scientific uncertainties remain in, for example, predictions of local effects of climate change; occurrence, frequency, and magnitude of extreme weather events; effects of aerosols; changes in clouds; shifts in the intensity and distribution of precipitation; and changes in oceanic circulation. Due to the complexity of the Earth's climate system and the inability to accurately model it, the uncertainty surrounding climate change may never be completely eliminated. Nonetheless, the IPCC, in its Fifth Assessment Report, Summary for Policy Makers, stated that, "it is extremely likely that more than half of the observed increase in global average surface temperature from 1951 to 2010 was caused by the anthropogenic increase in greenhouse gas concentrations and other anthropogenic forcings together" (IPCC 2013). A report from the National Academy of Sciences concluded that 97 to 98 percent of the climate researchers most actively publishing in the field support the tenets of the IPCC in that climate change is very likely caused by human (i.e., anthropogenic) activity (Anderegg et al. 2010).

According to California Environmental Protection Agency (CalEPA), the potential impacts in California due to global climate change may include: loss in snow pack; sea level rise; more extreme heat days per year; more high ozone days; more large forest fires; more drought years; increased erosion of California's coastlines and sea water intrusion into the Sacramento and San Joaquin Deltas and associated levee systems; and increased pest infestation (CalEPA 2006). Data regarding potential future climate change impacts are available from the California Natural Resources Agency (CNRA), which in 2009 published the *California Climate Adaptation Strategies* a response to the Governor's Executive Order S-13-2008 (CNRA 2009). The CNRA report lists specific recommendations for state and local agencies to best adapt to the anticipated risks posed by a changing climate. In accordance with the *California Climate Adaptation Strategy*, the California Energy Commission (CEC) was directed to develop a website on climate change scenarios and impacts that would be beneficial for local decision makers (CNRA 2009). The website, known as Cal-Adapt, became operational in 2011 (CNRA 2011). The information provided by the Cal-Adapt website represents a projection of potential future climate scenarios. The data are composed of the average values from a variety of scenarios and models and are meant to illustrate how the climate may change based on a variety of different potential social and economic factors. Below is a summary of some of the potential climate change effects and relevant Cal-Adapt data reported by an array of studies that could be experienced in California as a result of global warming and climate change.

2.1.1 Air Quality

Higher temperatures, conducive to air pollution formation, could worsen air quality in California. Climate change may increase the concentration of ground-level ozone; but the magnitude of the effect and, therefore, its indirect effects, are uncertain. If higher temperatures are accompanied by drier conditions, the potential for large wildfires could increase, which, in turn, would further worsen air quality. However, if higher temperatures are accompanied by wetter, rather than drier conditions, the rains would tend to temporarily clear the air of particulate pollution and reduce the incidence of large wildfires, thus ameliorating the pollution associated with wildfires. Additionally, severe heat accompanied by drier conditions and poor air quality could increase the number of heat-related deaths, illnesses, and asthma attacks throughout the state (CEC 2006).

According to the Cal-Adapt website, the portion of the County of San Diego in which the Project site is located could experience an average increase in temperature of approximately 5.0 to 8.2 degrees Fahrenheit (°F) by 2070-2099, compared to the baseline 1961 1990 period. The data suggests that the predicted future increase in temperatures as a result of climate change could potentially interfere with efforts to control and reduce ground-level ozone in the region.

2.1.2 Water Supply

Uncertainty remains with respect to the overall impact of global climate change on future water supplies in California. Studies have found that, "Considerable uncertainty about precise impacts of climate change

on California hydrology and water resources will remain until we have more precise and consistent information about how precipitation patterns, timing, and intensity will change" (Kiparsky and Gleick 2003). For example, some studies identify little change in total annual precipitation in projections for California, while others show significantly more precipitation (Kiparsky and Gleick 2003). Warmer, wetter winters would increase the amount of runoff available for groundwater recharge; however, this additional runoff would occur at a time when some basins are either being recharged at their maximum capacity or are already full (Kiparsky and Gleick 2003). Conversely, reductions in spring runoff and higher evapotranspiration because of higher temperatures could reduce the amount of water available for recharge (Kiparsky and Gleick 2003).

The California Department of Water Resources report on climate change and effects on the State Water Project, the Central Valley Project, and the Sacramento-San Joaquin Delta concludes that "climate change will likely have a significant effect on California's future water resources...[and] future water demand." It also reports that "much uncertainty about future water demand [remains], especially [for] those aspects of future demand that will be directly affected by climate change and warming. While climate change is expected to continue through at least the end of this century, the magnitude and, in some cases, the nature of future changes is uncertain." It also reports that the relationship between climate change and its potential effect on water demand is not well understood, but "[i]t is unlikely that this level of uncertainty will diminish significantly in the foreseeable future." Still, changes in water supply are expected to occur, and many regional studies have shown that large changes in the reliability of water yields from reservoirs could result from only small changes in inflows (DWR 2006). In its Fifth Assessment Report, the IPCC states "Changes in the global water cycle in response to the warming over the 21st century will not be uniform. The contrast in precipitation between wet and dry regions and between wet and dry seasons will increase, although there may be regional exceptions" (IPCC 2013).

2.1.3 Agriculture

California has a \$30-billion agricultural industry that produces half the country's fruits and vegetables. Higher CO₂ levels can stimulate plant production and increase plant water-use efficiency. However, if temperatures rise and drier conditions prevail, water demand could increase, crop yield could be threatened by a less reliable water supply, and greater ozone pollution could render plants more susceptible to pest and disease outbreaks. In addition, temperature increases could change the time of year certain crops, such as wine grapes, bloom or ripen, and thus affect their quality (California Climate Change Center 2006).

2.1.4 Ecosystems and Wildlife

Increases in global temperatures and the potential resulting changes in weather patterns could have ecological effects on a global and local scale. Scientists expect that the average global surface temperature could rise by 2 to 11.5°F (1.1 to 6.4 degrees Celsius [°C]) by 2100, with significant regional variation (National Research Council 2010). Soil moisture is likely to decline in many regions, and intense rainstorms are likely to become more frequent. Sea level could rise as much as 2 feet along most of the U.S. coast. Rising temperatures could have four major impacts on plants and animals: (1) timing of ecological events, (2) geographic range, (3) species' composition within communities, and (4) ecosystem processes such as carbon cycling and storage (Parmesan 2004; Parmesan and Galbraith 2004).

2.1.5 On-Site GHG Inventory

The Project site currently consists primarily of a paved surface parking lot. Existing sources of GHG emissions are from vehicles associated with visitors to the San Diego Juvenile Probation building, the Juvenile Court, and the Girls Rehabilitation building.

3. Regulatory Setting

A number of statutes, regulations, plans and policies have been adopted which address GHG and climate change concerns. The Project site and vicinity is subject to GHG regulations developed and implemented at the federal, State, and local levels.

3.1 Federal

The U.S. Supreme Court ruled on April 2, 2007, in *Massachusetts v. U.S. Environmental Protection Agency* (EPA), that CO₂ is an air pollutant, as defined under the Clean Air Act (CAA) and that the U.S. EPA has the authority to regulate emissions of GHGs. The U.S. EPA announced that GHGs (including CO₂, CH₄, N₂O, HFC, PFC, and SF₆) threaten the public health and welfare of the American people. This action was a prerequisite to finalizing the U.S. EPA's GHG emissions standards for light-duty vehicles, which were jointly proposed by the U.S. EPA and the United States Department of Transportation's National Highway Traffic Safety Administration (NHTSA). The standards were established on April 1, 2010, for 2012 through 2016 model year vehicles and on October 15, 2012, for 2017 through 2025 model year vehicles (EPA and NHTSA 2012).

3.2 State

The State of California has promulgated a number of regulations and policies to reduce statewide GHG emissions, including source-specific regulations focused on the energy-production sector, mobile sources, and buildings. Regulations that are relevant to the Project are described below.

3.2.1 Executive Order S-3-05

In 2005, Executive Order S-3-05, established the following GHG emission reduction targets:

- By 2010, California shall reduce GHG emissions to 2000 levels.
- By 2020, California shall reduce GHG emissions to 1990 levels.
- By 2050, California shall reduce GHG emissions to 80 percent below 1990 levels.

3.2.2 Executive Order B-30-15

In 2015, Executive Order B-30-15:

- Established a new interim statewide reduction target to reduce GHG emissions to 40 percent below 1990 levels by 2030
- Ordered all State agencies with jurisdiction over sources of GHG emissions to implement measures to achieve reductions of GHG emissions to meet the 2030 and 2050 reduction targets
- Directed CARB to update the Climate Change Scoping Plan to express the 2030 target in terms of million metric tons of carbon dioxide equivalent

3.2.3 Assembly Bill 32 – Global Solutions Act of 2006

Following the issuance of Executive Order S-3-05, in 2006, the California Global Warming Solutions Act of 2006 (passed as Assembly Bill (AB) 32 and codified in the California HSC, Division 25.5) focuses on reducing GHG emissions in California to 1990 levels by 2020. HSC Division 25.5 defines GHGs as CO₂, CH₄, N₂O, HFCs, PFCs, and SF₆ and represents the first enforceable statewide program to limit emissions of these GHGs from all major industries with penalties for noncompliance. The law further requires that reduction measures be technologically feasible and cost effective.

Under HSC Division 25.5, CARB has the primary responsibility for reducing GHG emissions. CARB is required to adopt rules and regulations directing state actions that would achieve GHG emissions reductions equivalent to 1990 statewide levels by 2020.

3.2.4 Senate Bill 32 – 2016 Amendments to the California Global Warming Solutions Act of 2006 and Assembly Bill 197 – 2016 Climate Equity and Transparency Act

In 2016, Senate Bill (SB) 32 and its companion bill AB 197 augmented AB 32 and amended HSC Division 25.5, establishing a new climate pollution reduction target of 40 percent below 1990 levels by 2030 and including provisions to ensure the benefits of state climate policies reach into disadvantaged communities.

3.2.5 Assembly Bill 1493 – Vehicular Emissions of GHGs

In 2002, AB 1493 (Pavley) required CARB to set GHG emission standards for passenger vehicles, light duty trucks, and other vehicles whose primary use is non-commercial personal transportation manufactured in and after 2009.

To meet the requirements of AB 1493, CARB approved amendments to the California Code of Regulations (CCR) in 2004, requiring automobile manufacturers to meet fleet-average GHG emissions limits for all passenger cars, light-duty trucks within various weight criteria, and medium-duty passenger vehicle weight classes (i.e., any medium-duty vehicle with a gross vehicle weight [GVW] rating of less than 10,000 pounds designed primarily for the transportation of persons), beginning with model year 2009. For passenger cars and light-duty trucks with a loaded vehicle weight (LVW) of 3,750 pounds or less, the GHG emission limits for model year 2016 are approximately 37 percent lower than the limits for the first year of the regulations, model year 2009. For light-duty trucks with an LVW of 3,751 pounds to a GVW of 8,500 pounds, as well as for medium-duty passenger vehicles, GHG emissions will be reduced approximately 24 percent between 2009 and 2016.

Because the Pavley standards (named for the bill's author, state Senator Fran Pavley) would impose stricter standards than those under the CAA, California applied to U.S. EPA for a waiver under the CAA. In 2008, U.S. EPA denied the application. In 2009, however, U.S. EPA granted the waiver. The waiver has been extended consistently since 2009; however, in 2018, U.S. EPA and NHTSA indicated their intent to revoke California's waiver and prohibit future state emissions standards enacted under the CAA. As of April 2019, the waiver was still in place and the status of the federal government's revocation of the waiver was uncertain.

As discussed previously, the federal government adopted standards for model year 2012 through 2016 light-duty vehicles. In addition, USEPA and the U.S. Department of Transportation (USDOT) have adopted GHG emission standards for model year 2017 through 2025 vehicles. These standards are slightly different from the state's standards (described below in the Advanced Clean Cars Program), but the State of California has agreed not to contest them, in part due to the fact that while the national standard would achieve slightly less reductions in California, the national standard would achieve greater reductions nationally and is stringent enough to meet state GHG emission reduction goals.

3.2.6 Assembly Bill 75

AB 75 was passed in 1999 and mandates State agencies to develop and implement an integrated waste management plan to reduce GHG emissions related to solid waste disposal. In addition, the bill mandates that community service districts providing solid waste services report the disposal and diversion information to the appropriate city, county, or regional jurisdiction. The bill requires diversion of at least 50 percent of the solid waste from landfills and transformation facilities and submission to the California Department of Resources Recycling and Recovery (CalRecycle; formerly known as California Integrated Waste Management Board) of an annual report describing the diversion rates.

3.2.7 Executive Order S-01-07

In 2007, Executive Order S-01-07 mandated that the State: (1) establish a statewide goal to reduce the carbon intensity of California's transportation fuels by at least 10 percent by 2020 and (2) adopt a LCFS for transportation fuels in California. The overall goal of the LCFS is to lower the carbon intensity of California transportation fuel. The 2017 Scoping Plan Update calls for the LCFS to reduce fuel carbon intensity by at least 18 percent by 2030. In 2018, CARB extended the LCFS program to 2030, making significant changes to the design and implementation of the Program including a doubling of the carbon intensity reduction to 20 percent by 2030.

3.2.8 Senate Bill 350

The Clean Energy and Pollution Reduction Act of 2015, SB 350 (Chapter 547, Statutes of 2015) increased the RPS by requiring an increase in the amount of electricity generated and sold to retail customers per year from eligible renewable energy resources from 33 percent to 50 percent by December 31, 2030. The Act also requires the State Energy Resources Conservation and Development Commission to establish annual targets for statewide energy efficiency savings and demand reduction that will achieve a cumulative doubling of statewide energy efficiency savings in existing electricity and natural gas final end uses of retail customers by January 1, 2030.

3.2.9 Senate Bill 100

In 2018, SB 100 established that 100 percent of all electricity in California must be obtained from renewable and zero-carbon energy resources by December 31, 2045. SB 100 also creates new standards for the RPS, increasing required energy from renewable sources for both investor-owned utilities and publicly owned utilities from 50 percent to 60 percent by December 31, 2030. Incrementally, these energy providers must also have a renewable energy supply of 44 percent by December 31, 2024, and 52 percent by December 31, 2027. The updated RPS goals are considered achievable, since many California energy providers are already meeting or exceeding the RPS goals established by SB 350.

3.2.10 California Environmental Quality Act and Senate Bill 97

In 2007, SB 97 acknowledged that climate change is an environmental issue requiring analysis under CEQA. SB 97 directed the Governor's Office of Planning and Research (OPR) to prepare, develop, and transmit to the CNRA guidelines for the feasible mitigation of GHG emissions or the effects of GHG emissions, as required by CEQA. In 2009, CNRA adopted amendments to the State CEQA Guidelines, as required by SB 97. In 2010, the CEQA Guidelines amendments provide guidance to public agencies regarding the analysis and mitigation of the effects of GHG emissions in draft CEQA documents.

CEQA Guidelines

The current CEQA Guidelines section 15064.4 specifically addresses the significance of GHG emissions, directing that a lead agency shall make a "good-faith effort" to "describe, calculate or estimate" GHG emissions in CEQA environmental documents (CNRA 2018). Section 15064.4 further states that the analysis of GHG impacts should include consideration of (1) the extent to which the project may increase or reduce GHG emissions; (2) whether the project GHG emissions would exceed a threshold of significance that the lead agency determines applies to the project; and (3) the extent to which the project would comply with "regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of greenhouse gas emissions."

The CEQA Guidelines focus on the effects of GHG emissions as cumulative impacts and direct that they should be analyzed in the context of CEQA's requirements for cumulative impact analysis (CNRA 2009). CEQA Guidelines section 15064.4 states that "the lead agency should focus its analysis on the reasonably foreseeable incremental contribution of the project's emissions to the effects of climate change. A project's incremental contribution may be cumulatively considerable even if it appears relatively small compared to statewide, national or global emissions. The agency's analysis should consider a timeframe

that is appropriate for the project. The agency's analysis also must reasonably reflect evolving scientific knowledge and state regulatory schemes." The CEQA Guidelines also establish that a project's incremental contribution to a cumulative effect is not cumulatively considerable if the project will comply with the requirements in a previously approved plan or mitigation program (including plans or regulations for the reduction of greenhouse gas emissions) that provides specific requirements that will avoid or substantially lessen the cumulative problem within the geographic area in which the project is located (CEQA Guidelines section 15064(h)(3)) (CNRA 2018).

The CEQA Guidelines do not require or recommend a specific analytical methodology or provide quantitative criteria for determining the significance of GHG emissions, nor do they set a numerical threshold of significance for GHG emissions. Guideline 15064.7(c) clarifies that in adopting or using thresholds of significance, a lead agency may appropriately consider thresholds developed by other public agencies, or recommended by experts, provided the decision of the lead agency to adopt such thresholds is supported by substantial evidence.

When GHG emissions are found to be significant, CEQA Guidelines section 15126.4(c) includes the following direction on measures to mitigate GHG emissions:

Consistent with Section 15126.4(a), lead agencies shall consider feasible means, supported by substantial evidence and subject to monitoring or reporting, of mitigating the significant effects of greenhouse gas emissions. Measures to mitigate the significant effects of greenhouse gas emissions may include, among others:

1. Measures in an existing plan or mitigation program for the reduction of emissions that are required as part of the lead agency's decision;
2. Reductions in emissions resulting from a project through implementation of project features, project design, or other measures;
3. Off-site measures, including offsets that are not otherwise required, to mitigate a project's emissions;
4. Measures that sequester greenhouse gases; and
5. In the case of the adoption of a plan, such as a general plan, long range development plan, or plans for the reduction of greenhouse gas emissions, mitigation may include the identification of specific measures that may be implemented on a project-by project basis. Mitigation may also include the incorporation of specific measures or policies found in an adopted ordinance or regulation that reduces the cumulative effect of emissions. (CNRA 2018)

In 2018, the CNRA finalized amendments to the CEQA Guidelines, including changes to CEQA Guidelines section 15064.4, which addresses the analysis of GHG emissions. The revision of CEQA Guidelines section 15064.4 clarified several points, including the following:

- Lead agencies must analyze the GHG emissions of proposed projects.
- The focus of the lead agency's analysis should be on the project's effect on climate change, rather than simply focusing on the quantity of emissions and how that quantity of emissions compares to statewide or global emissions.
- The impacts analysis of GHG emissions is global in nature and thus should be considered in a broader context. A project's incremental contribution may be cumulatively considerable even if it appears relatively small compared to statewide, national or global emissions.
- Lead agencies should consider a timeframe for the analysis that is appropriate for the project.
- A lead agency's analysis must reasonably reflect evolving scientific knowledge and state regulatory schemes.
- Lead agencies may rely on plans prepared pursuant to section 15183.5 (Plans for the Reduction of Greenhouse Gases) in evaluating a project's GHG emissions.

- In determining the significance of a project's impacts, the lead agency may consider a project's consistency with the state's long-term climate goals or strategies, provided that substantial evidence supports the agency's analysis of how those goals or strategies address the project's incremental contribution to climate change and its conclusion that the project's incremental contribution is consistent with those plans, goals, or strategies. (CNRA 2018)

The lead agency has discretion to select the model or methodology it considers most appropriate to enable decision-makers to intelligently take into account the project's incremental contribution to climate change. The lead agency must support its selection of a model or methodology with substantial evidence. The lead agency should explain the limitations of the particular model or methodology selected for use.

3.2.11 Senate Bill 375 – The Sustainable Communities and Climate Protection Act of 2008

SB 375 aligns regional transportation planning efforts, regional GHG reduction targets, and affordable housing allocations. Metropolitan Planning Organizations (MPOs) are required to adopt a Sustainable Communities Strategy (SCS), which allocates land uses in the MPOs' Regional Transportation Plan (RTP). Qualified projects consistent with an approved SCS or Alternative Planning Strategy categorized as "transit priority projects" would receive incentives to streamline CEQA processing.

3.2.12 CARB Scoping Plans

In December 2008, CARB adopted its first version of its Climate Change Scoping Plan (Scoping Plan), which contained the main strategies California will implement to achieve the mandate of AB 32 to reduce statewide GHG emissions to 1990 levels by 2020. The Scoping Plan establishes an overall framework for the measures that will be adopted to reduce California's GHG emissions. The Scoping Plan evaluates opportunities for sector-specific reductions, integrates all CARB and Climate Action Team early actions and additional GHG reduction measures by both entities, identifies additional measures to be pursued as regulations, and outlines the role of a cap-and-trade program (CARB 2008).

On December 14, 2017, CARB adopted the 2017 Climate Change Scoping Plan (2017 Scoping Plan), which lays out the framework for achieving the mandate of SB 32 (2016) to reduce statewide GHG emissions to at least 40 percent below 1990 levels by the end of 2030 (CARB 2017b).

The 2017 Scoping Plan includes guidance to local governments in Chapter 5, including plan-level GHG emissions reduction goals and methods to reduce communitywide GHG emissions. In its guidance, CARB recommends that "local governments evaluate and adopt robust and quantitative locally appropriate goals that align with the statewide per capita targets and the State's sustainable development objectives and develop plans to achieve the local goals." CARB further states that "it is appropriate for local jurisdictions to derive evidence-based local per capita goals [or some other metric] that the local jurisdiction deems appropriate, such as mass emissions or per service population, based on local emissions sectors and population projections that are consistent with the framework used to develop the statewide per capita targets" (CARB 2017b).

On May 10, 2022, CARB released the Draft 2022 Scoping Plan for a 45-day public review. The 2022 Scoping Plan Update assesses progress toward the statutory 2030 target, while laying out a path to achieving carbon neutrality no later than 2045. The 2022 Scoping Plan Update focuses on outcomes needed to achieve carbon neutrality by assessing paths for clean technology, energy deployment, natural and working lands, and others, and is designed to meet the State's long-term climate objectives and support a range of economic, environmental, energy security, environmental justice, and public health priorities (CARB 2022).

3.2.13 Assembly Bill 1279

On August 31, 2022, the California Legislature passed AB 1279 which requires California to achieve "net zero greenhouse gas emissions" as soon as possible, but no later than 2045, and to achieve and maintain

net negative GHG emissions thereafter. It also requires that statewide anthropogenic GHG emissions be reduced to at least 85 percent below 1990 levels. The bill directs CARB to ensure that its scoping plan identifies and recommends measures to achieve these policy goals. It also directs CARB to identify policies and strategies to enable carbon capture, storage, and utilization, and CO₂ removal technologies to complement emission reductions to achieve the bill's neutrality goals.

3.3 Regional

3.3.1 SANDAG: San Diego Forward: The Regional Plan

The San Diego Association of Governments' (SANDAG's) Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) "San Diego Forward: The Regional Plan" (Regional Plan) is the long-range planning document developed to meet the requirements of SB 375 and to address the region's housing, economic, transportation, environmental, and overall quality-of-life needs. Growth assumptions included in the Regional Plan are based on approved and allowable land uses identified by each jurisdiction in the region. The Regional Plan establishes a planning framework and implementation actions that increase the region's sustainability and encourage "smart growth while preserving natural resources and limiting urban sprawl." The Regional Plan encourages the regions and the County to increase residential and employment concentrations in areas with the best existing and future transit connections and to preserve important open spaces. The focus is on implementation of basic smart growth principles designed to strengthen the integration of land use and transportation (SANDAG 2021).

3.3.2 County of San Diego General Plan

The County's General Plan Update (approved in 2011) provides smart growth and land use planning principles designed to reduce GHG emissions. GHG reduction policies are addressed within multiple elements of the General Plan Update. The strategies for reduction of GHG emissions in the General Plan Update include reducing vehicle miles traveled (VMT), energy consumption, water consumption, and solid waste. The General Plan Update also discusses the increased generation and use of renewable energy sources to reduce nonrenewable electrical and natural gas energy consumption.

3.3.3 County of San Diego Climate Action Plan

In February 2018, the County's Board of Supervisors adopted a Climate Action Plan (CAP) that serves as a long-term programmatic plan that identifies strategies and measures to meet the County's targets to reduce GHG emissions by 2020 and 2030, consistent with the State's legislative GHG reduction targets, and demonstrates progress toward the State's 2050 GHG reduction goal (County of San Diego 2018). The Board's adoption of the CAP is the culmination of a multiyear plan development process that followed from the judicial invalidation (see *Sierra Club v. County of San Diego* [Case No. D064243]) of the County's prior CAP, which was adopted in 2012.

In March 2018, several petitioners filed a lawsuit against the County. In December 2018, the San Diego County Superior Court issued a writ ordering the approval of the CAP and its Supplementary Environmental Impact Report (SEIR) to be set aside. In January 2019, the County appealed the San Diego County Superior Court's ruling, but the Fourth District Court of Appeal, Division One (Case No. D075478) upheld the trial Superior Court's ruling. Accordingly, there is no approved CAP in San Diego; and the CAP cannot be used until such time as it is reapproved in compliance with CEQA.

4. Methodology and Thresholds of Significance

4.1 Significance Criteria

The significance thresholds below are derived from the Environmental Checklist questions in Appendix G of the State CEQA Guidelines. Accordingly, a significant impact associated with GHGs would occur if the Project were to:

- GHG-1: Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment; or
- GHG-2: Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of GHGs.

Amendments to Section 15064.4 of the CEQA Guidelines were adopted to assist lead agencies in determining the significance of the impacts of GHG emissions. Consistent with existing CEQA practice, Section 15064.4 gives lead agencies the discretion to determine whether to assess those emissions quantitatively or qualitatively. If a qualitative analysis is used in addition to quantification, this section recommends certain qualitative factors that may be used in the determination of significance (i.e., extent to which the project may increase or reduce GHG emissions compared to the existing environment; whether the project exceeds an applicable significance threshold; and extent to which the project complies with regulations or requirements adopted to implement a reduction or mitigation of GHGs). The amendments do not establish a threshold of significance; rather, lead agencies are granted discretion to establish significance thresholds for their respective jurisdictions, including looking to thresholds developed by other public agencies, or suggested by other experts, such as the California Air Pollution Control Officers Association (CAPCOA), so long as any threshold chosen is supported by substantial evidence (see Section 15064.7(c)). The CNRA has also clarified that the CEQA Guidelines amendments focus on the effects of GHG emissions as cumulative impacts and that they should be analyzed in the context of CEQA's requirements for cumulative impact analysis (see Section 15064(h)(3)).

The OPR released a technical advisory on CEQA and climate change that provided some guidance on assessing the significance of GHG emissions and states that "lead agencies may undertake a project-by-project analysis, consistent with available guidance and current CEQA practice," and that while "climate change is ultimately a cumulative impact, not every individual project that emits GHGs must necessarily be found to contribute to a significant cumulative impact on the environment" (OPR 2008). Furthermore, the technical advisory states that "CEQA authorizes reliance on previously approved plans and mitigation programs that have adequately analyzed and mitigated GHG emissions to a less than significant level as a means to avoid or substantially reduce the cumulative impact of a project" (OPR 2008).

Per CEQA Guidelines Section 15064(h)(3), a project's incremental contribution to a cumulative impact can be found not cumulatively considerable if the project would comply with an approved plan or mitigation program that provides specific requirements that will avoid or substantially lessen the cumulative problem within the geographic area of the project. To qualify, such a plan or program must be specified in law or adopted by the public agency with jurisdiction over the affected resources through a public review process to implement, interpret, or make specific the law enforced or administered by the public agency. Examples of such programs include a "water quality control plan, air quality attainment or maintenance plan, integrated waste management plan, habitat conservation plan, natural community conservation plan, [and] plans or regulations for the reduction of greenhouse gas emissions." Thus, CEQA Guidelines Section 15064(h)(3) allows a lead agency to make a finding of non-significance for GHG emissions if a project complies with a program and/or other regulatory schemes to reduce GHG emissions.²

² See, for example, San Joaquin Valley Air Pollution Control District (SJVAPCD), CEQA Determinations of Significance for Projects Subject to ARB's GHG Cap-and-Trade Regulation, APR-2025 (June 25, 2014), in which the SJVAPCD "determined that GHG emissions increases that are covered under ABR's Cap-and-Trade regulation cannot constitute significant increases under CEQA..." Furthermore, the SCAQMD has taken this position in CEQA documents it has produced as a lead agency. The SCAQMD has prepared three Negative Declarations and one Draft Environmental Impact Report that demonstrate the SCAQMD has applied its 10,000 MTCO₂e/yr significance threshold in such a way that GHG emissions covered by the Cap-and-Trade Program do not

On December 5, 2008, the South Coast Air Quality Management District (SCAQMD) Governing Board adopted their *Interim CEQA Greenhouse Gas Significance Threshold*. The policy objective of the SCAQMD's recommended threshold is to achieve an emission capture rate of 90 percent of all new or modified stationary source projects. A GHG significance threshold based on a 90-percent emission capture rate may be more appropriate to address the long-term adverse impacts associated with global climate change because most projects will be required to implement GHG reduction measures. Further, a 90-percent emission capture rate sets the emission threshold low enough to capture a substantial fraction of future stationary source projects that will be constructed to accommodate future statewide population and economic growth, while setting the emission threshold high enough to exclude small projects that will, in aggregate, contribute a relatively small fraction of the cumulative statewide GHG emissions. This assertion is based on the fact that SCAQMD staff estimates that these GHG emissions would account for slightly less than 1 percent of the future 2050 statewide GHG emissions target.

As the County of San Diego does not currently have any approved quantitative thresholds related to GHG emissions, the quantitative analysis provided herein relies upon the SCAQMD adopted screening threshold for heavy industrial projects of 10,000 MTCO₂e (SCAQMD 2008b). The SCAQMD's jurisdiction has similar climate and land use patterns as San Diego County (i.e., dense population centers and industrial areas to the west and along the coast and rural, low population density areas to the east) and the relative mix of GHG sources in the two regions are similar.

4.2 Methodology

To provide additional information to decision makers and the public, this GHG Technical Report provides an estimate of the GHG emissions from Project construction and operation. The following Project-related emission sources have been evaluated:

- Scope 1: Direct, onsite and offsite combustion of fossil fuels (e.g., natural gas, propane, gasoline, diesel, and transportation fuels)
- Scope 2: Indirect, offsite emissions associated with purchased electricity or purchased steam
- Scope 3: Indirect emissions associated with other emissions sources, such as third-party vehicles and embodied energy

For purposes of this analysis, it was considered reasonable and consistent with criteria pollutant calculations to consider GHG emissions resulting from direct Project-related activities, including, e.g., use of vehicles, electricity, and natural gas, to be new emissions. These include emissions from Project construction activities, such as demolition, hauling, construction, and construction worker trips, as well as operational emissions. This analysis also considers indirect GHG emissions from water conveyance, wastewater generation, and solid waste handling. Since potential impacts resulting from GHG emissions are long-term rather than acute, GHG emissions were calculated on an annual basis.

GHG emissions are estimated using the California Emissions Estimator Model (CalEEMod) (Version 2020.4.0), which is a statewide land use emissions computer model designed to provide a uniform platform for government agencies, land use planners, and environmental professionals to quantify potential criteria pollutant and GHG emissions from a variety of land use projects. CalEEMod was developed in collaboration with the air districts of California. Regional data (e.g., emission factors, trip lengths, meteorology, source inventory, etc.) have been provided by the various California air districts to account for local requirements and conditions. The model is considered to be an accurate and

constitute emissions that must be measured against the threshold. See SCAQMD, Final Negative Declaration for Ultramar Inc. Wilmington Refinery Cogeneration Project, SCH No. 2012041014 (October 2014); SCAQMD Final Negative Declaration for Phillips 99 Los Angeles Refinery Carson Plant—Crude Oil Storage Capacity Project, SCH No. 2013091029 (December 2014); SCAQMD Final Mitigated Negative Declaration for Toxic Air Contaminant Reduction for Compliance with SCAQMD Rules 1420.1 and 1402 at the Exide Technologies Facility in Vernon, CA, SCH No. 2014101040 (December 2014); and SCAQMD Final Environmental Impact Report for the Breitburn Santa Fe Springs Blocks 400/700 Upgrade Project, SCH No. 2014121014 (August 2015).

comprehensive tool for quantifying air quality and GHG impacts from land use projects throughout California.

4.2.1 Construction

The construction schedule was determined by using CalEEMod defaults and input from the Project Applicant. Project construction is assumed to start in September and occur over 24 to 30 months. For a more conservative approach to the analysis, 24 months were used in the modeling. Delays in the start of construction would slightly decrease construction GHG emissions due to improved on-road emissions from worker and vendor vehicles.

SCAQMD's *Draft Interim CEQA Greenhouse Gas Significance Threshold* recognizes that construction-related GHG emissions from projects "occur over a relatively short-term period of time" and that "they contribute a relatively small portion of the overall lifetime project GHG emissions" (SCAQMD 2008a). The guidance recommends that construction project GHG emissions should be "amortized over a 30-year project lifetime, so that GHG reduction measures will address construction GHG emissions as part of the operational GHG reduction strategies" (SCAQMD 2008a). In accordance with that SCAQMD guidance, GHG emissions from Project construction have been amortized over the 30-year lifetime of the Project.

The Project construction and equipment types necessary to fully construct the proposed development for a fully operational project are shown in Table 3. The pavement portion of the existing surface parking lot within the Project site boundary (approximately 116,000 SF) would be removed to allow for the construction of the Project components described above. Trenching (approximately 600 linear feet) would be required in Birmingham Way and Children's Way to install the offsite sewer line connection.

Table 3: Expected Construction Equipment

Equipment	Proposed Start	Proposed Complete	Quantity
Demolition	9/2/2024	9/27/2024	
Concrete/Industrial Saws			1
Excavators			3
Rubber Tired Dozers			2
Site Preparation	9/28/2024	10/11/2024	
Rubber Tired Dozers			3
Tractors/Loaders/Backhoes			4
Grading	10/12/2024	11/22/2024	
Excavators			2
Graders			1
Rubber Tired Dozers			1
Scrapers			2
Tractors/Loaders/Backhoes			2
Building Construction	11/23/2024	7/8/2026	
Cranes			1
Forklifts			3
Generator Sets			1
Tractors/Loaders/Backhoes			3
Welders			1

Table 3: Expected Construction Equipment

Equipment	Proposed Start	Proposed Complete	Quantity
Paving	7/9/2026	8/5/2026	
Pavers			2
Paving Equipment			2
Rollers			2
Architectural Coating	8/6/2026	9/2/2026	
Air Compressors			1

Notes:

This equipment list is based upon equipment inventory within CalEEMod and similar size projects in the County of San Diego.

4.2.2 Operation

Operational GHG sources would include area, energy, mobile, solid waste, and water uses, which are calculated within CalEEMod. Area sources include landscaping and architectural coatings as part of regular maintenance. Energy sources would be from uses such as electricity and natural gas. Solid waste generated in the form of trash is also considered, as decomposition of organic material breaks down to form GHGs.

CalEEMod was used to estimate mobile source emissions and uses CARB's updated version of the on-road vehicle emissions factor (EMFAC) model. The most recent USEPA-approved version is EMFAC2017, which "represents CARB's current understanding of motor vehicle travel activities and their associated emission levels" (CARB 2015). CalEEMod generated the VMT from Project uses based on default trip rates within CalEEMod.

5. Project Impact Analysis

5.1 Construction Emissions

As explained above, the emissions of GHGs associated with construction of the Project were calculated for each year of construction activity. Results of the Project's construction phase GHG emissions calculations are presented in Table 4. Although construction-related GHGs are one-time emissions, any assessment of Project emissions should include construction emissions. SCAQMD recommends that a project's construction-related GHG emissions be amortized over the project's 30-year lifetime and include these emissions as part of the project's annualized lifetime total emissions; thereby, GHG reduction measures will address construction GHG emissions as part of the operational GHG reduction strategies. As indicated in Table 4, Project construction GHG emissions during the construction period would generate an estimated 1,235 metric tons of CO₂e, or 41 metric tons of CO₂e amortized over a 30-year period. Detailed CalEEMod output results are provided in Appendix A of this report.

Table 4: Project Construction Greenhouse Gas Emissions

Emission Source	CO ₂ e (Metric Tons) ^{a,b}
Construction Year - 2024	222
Construction Year - 2025	653
Construction Year - 2026	360
Total Construction Emissions	1,235
Amortized Construction Emissions (30-years)	41

^a Totals may not add up exactly due to rounding in the modeling calculations. Detailed CalEEMod output results are provided in Appendix A.

^b CO₂e emissions are calculated using the GWP values from the IPCC Fourth Assessment Report.

5.2 Operational Emissions

As previously stated, the Project site is currently a paved parking lot where the existing sources of GHG emissions are from vehicles associated with visitors to the San Diego Juvenile Probation building, the Juvenile Court and the Girls Rehabilitation Building. Operational emissions were calculated for area, energy, mobile, waste, and water usage sources for the Project. Results of the emissions calculations are presented in Table 5. As indicated in Table 3, Project operational emissions would generate an estimated 2,463 metric tons of CO₂e annually.

Table 5: Operational Greenhouse Gas Emissions

Emission Source	CO ₂ e (Metric Tons) ^{a,b}
Area	>1
Energy	1,148
Mobile	710
Waste	505
Water	59
Total Operational Emissions	2,422
Amortized Construction Emissions (30-years)	41

Table 5: Operational Greenhouse Gas Emissions

Emission Source	CO ₂ e (Metric Tons) ^{a,b}
Total Emissions	2,463
SCAQMD Screening Threshold	10,000
Exceed Threshold?	No

^a Totals may not add up exactly due to rounding in the modeling calculations. Detailed CalEEMod output results are provided in Appendix A.

^b CO₂e emissions are calculated using the GWP values from the IPCC Fourth Assessment Report.

Emissions reductions from the Project's two highest GHG-emitting sources, mobile and energy, would occur over the next decade and beyond, ensuring that the Project's total GHG emissions would be further reduced. Emissions from electricity would decline as utility providers, including SDG&E, meet their Renewables Portfolio Standard obligations to provide 50 percent of their electricity from renewable electricity sources by 2030, consistent with SB 350, which would achieve additional reductions in emissions from electricity demand although the actual reduction will depend on the mix of fossil fuels that SDG&E will replace with renewables and the relative CO₂ intensities of those fossil fuels. Project emissions from mobile sources would also decline in future years as older vehicles are replaced with newer vehicles resulting in a greater percentage of the vehicle fleet meeting more stringent combustion emissions standards, such as the model year 2017-2025 Pavley Phase II standards. Overall, these future reductions in GHG emissions would remain consistent with the newly passed AB 1279, which requires "net zero greenhouse gas emissions" as soon as possible, but no later than 2045.

5.3 Consistency with Greenhouse Reduction Plan, Policies, and Actions

Given the relatively small levels of emissions generated by a typical project in relationship to the total amount of GHG emissions generated on a national or global basis, individual projects are not expected to result in significant, direct impacts with respect to climate change. However, given the magnitude of the impact of GHG emissions on the global climate, GHG emissions from individual projects could result in significant, cumulative impacts with respect to climate change. Thus, the potential for a significant GHG impact is limited to cumulative impacts. As described in Sections 5.1 and 5.2, the Project's maximum annual GHG emissions of 2,463 MTCO₂e per year would not exceed the SCAQMD industrial source screening threshold of 10,000 MTCO₂e per year. The Project would not conflict with any local or State plans, policies, or regulations adopted for the purpose of reducing GHG emissions.

The following provides additional discussion of plans, policies, and regulations adopted for the purpose of reducing GHG emissions and the determination that the Project does not conflict with such plans, policies, or regulations.

5.3.1 Consistency with Relevant General Plan Policies

This discussion analyzes the project's potential to conflict with an applicable plan. The County of San Diego's General Plan contains various goals, policies, and objectives related to the reduction of GHG emissions and global climate change. The project's consistency with specific General Plan Conservation and Open Space Element policies is provided below in Table 6.

Table 6. County General Plan Policies

Policy	Project Consistency
<i>COS14.3 Sustainable Development.</i> Require design of residential subdivisions and nonresidential development through "green" and sustainable land development practices to conserve energy, water, open space, and natural resources.	Consistent. The Project would meet this requirement as part of its compliance with the CALGreen Code.
<i>COS14.10 Low Emission Construction Vehicles and Equipment.</i> Require County contractors and encourage other developers to use low-emission construction vehicles and equipment to improve air quality and reduce GHG emissions.	Consistent. The Project would be consistent with this policy and would use low-emission construction vehicles and equipment
<i>COS15.1 Design and Construction of New Buildings.</i> Require that new buildings be designed and constructed in accordance with "green building" programs that incorporate techniques and materials that maximize energy efficiency, incorporate the use of sustainable resources and recycled materials, and reduce emissions of GHGs and toxic air contaminants.	Consistent. The Project would meet this requirement as part of its compliance with the CALGreen Code.
<i>COS15.4 Title 24 Energy Standards.</i> Require development to minimize energy impacts from new buildings in accordance with or exceeding Title 24 energy standards.	Consistent. The Project proposes implementing energy efficiency features that would meet 2019 Title 24 standards.

6. References

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Appendix A. CalEEMod Output Results

Rady_Mental Behavioral Health_23Aug2022 - San Diego County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Rady_Mental Behavioral Health_23Aug2022
San Diego County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	11.00	1000sqft	0.25	11,000.00	0
Hospital	82.00	1000sqft	1.88	82,000.00	0
Enclosed Parking with Elevator	369.00	1000sqft	8.47	369,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2027
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	539.98	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 -

Construction Phase - Construction duration is September 2, 2024 to September 2, 2026 (approximately 523 days).

Demolition -

Construction Off-road Equipment Mitigation -

Off-road Equipment -

Architectural Coating - Architectural Coating - SDAPCD Regulation IV Rule 67.0.1

Area Coating - Architectural Coating - SDAPCD Regulation IV Rule 67.0.1

Area Mitigation - Architectural Coating - SDAPCD Regulation IV Rule 67.0.1

Rady_Mental Behavioral Health_23Aug2022 - San Diego County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblConstructionPhase	NumDays	300.00	423.00
tblConstructionPhase	PhaseEndDate	3/13/2026	9/2/2026
tblConstructionPhase	PhaseEndDate	1/16/2026	7/8/2026
tblConstructionPhase	PhaseEndDate	2/13/2026	8/5/2026
tblConstructionPhase	PhaseStartDate	2/14/2026	8/6/2026
tblConstructionPhase	PhaseStartDate	1/17/2026	7/9/2026

2.0 Emissions Summary

Rady_Mental Behavioral Health_23Aug2022 - San Diego County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.1133	1.0977	1.0132	2.4400e-003	0.3298	0.0448	0.3746	0.1238	0.0415	0.1652	0.0000	218.6237	218.6237	0.0508	5.9100e-003	221.6537
2025	0.2472	2.0971	2.7331	7.0300e-003	0.2595	0.0724	0.3319	0.0705	0.0681	0.1386	0.0000	642.0021	642.0021	0.0812	0.0315	653.4266
2026	0.3793	1.1787	1.5726	3.8800e-003	0.1384	0.0421	0.1805	0.0376	0.0396	0.0772	0.0000	354.0732	354.0732	0.0486	0.0160	360.0551
Maximum	0.3793	2.0971	2.7331	7.0300e-003	0.3298	0.0724	0.3746	0.1238	0.0681	0.1652	0.0000	642.0021	642.0021	0.0812	0.0315	653.4266

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	0.1133	1.0977	1.0132	2.4400e-003	0.1504	0.0448	0.1952	0.0542	0.0415	0.0956	0.0000	218.6235	218.6235	0.0508	5.9100e-003	221.6536
2025	0.2472	2.0971	2.7331	7.0300e-003	0.2595	0.0724	0.3319	0.0705	0.0681	0.1386	0.0000	642.0017	642.0017	0.0812	0.0315	653.4263
2026	0.3793	1.1786	1.5726	3.8800e-003	0.1384	0.0421	0.1805	0.0376	0.0396	0.0772	0.0000	354.0730	354.0730	0.0486	0.0160	360.0548
Maximum	0.3793	2.0971	2.7331	7.0300e-003	0.2595	0.0724	0.3319	0.0705	0.0681	0.1386	0.0000	642.0017	642.0017	0.0812	0.0315	653.4263

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	24.66	0.00	20.23	30.02	0.00	18.27	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	9-2-2024	12-1-2024	0.9942	0.9942
2	12-2-2024	3-1-2025	0.5922	0.5922
3	3-2-2025	6-1-2025	0.5880	0.5880
4	6-2-2025	9-1-2025	0.5858	0.5858
5	9-2-2025	12-1-2025	0.5840	0.5840
6	12-2-2025	3-1-2026	0.5778	0.5778
7	3-2-2026	6-1-2026	0.5852	0.5852
8	6-2-2026	9-1-2026	0.5765	0.5765
9	9-2-2026	9-30-2026	0.0091	0.0091
		Highest	0.9942	0.9942

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.4116	4.0000e-005	4.2300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.2600e-003	8.2600e-003	2.0000e-005	0.0000	8.7900e-003
Energy	0.0288	0.2620	0.2200	1.5700e-003		0.0199	0.0199		0.0199	0.0199	0.0000	1,143.1081	1,143.1081	0.0579	0.0116	1,148.0074
Mobile	0.3805	0.3961	3.4756	7.2800e-003	0.8522	5.5400e-003	0.8577	0.2274	5.1700e-003	0.2326	0.0000	699.3467	699.3467	0.0496	0.0312	709.8948
Waste						0.0000	0.0000		0.0000	0.0000	203.8841	0.0000	203.8841	12.0492	0.0000	505.1143
Water						0.0000	0.0000		0.0000	0.0000	3.7023	43.2661	46.9684	0.3829	9.3000e-003	59.3121
Total	0.8209	0.6581	3.6998	8.8500e-003	0.8522	0.0255	0.8776	0.2274	0.0251	0.2525	207.5864	1,885.7292	2,093.3156	12.5396	0.0521	2,422.3373

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.4116	4.0000e-005	4.2300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.2600e-003	8.2600e-003	2.0000e-005	0.0000	8.7900e-003
Energy	0.0288	0.2620	0.2200	1.5700e-003		0.0199	0.0199		0.0199	0.0199	0.0000	1,143.1081	1,143.1081	0.0579	0.0116	1,148.0074
Mobile	0.3805	0.3961	3.4756	7.2800e-003	0.8522	5.5400e-003	0.8577	0.2274	5.1700e-003	0.2326	0.0000	699.3467	699.3467	0.0496	0.0312	709.8948
Waste						0.0000	0.0000		0.0000	0.0000	203.8841	0.0000	203.8841	12.0492	0.0000	505.1143
Water						0.0000	0.0000		0.0000	0.0000	3.7023	43.2661	46.9684	0.3829	9.3000e-003	59.3121
Total	0.8209	0.6581	3.6998	8.8500e-003	0.8522	0.0255	0.8776	0.2274	0.0251	0.2525	207.5864	1,885.7292	2,093.3156	12.5396	0.0521	2,422.3373

	ROG	NOx	CO	SO2	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

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	9/2/2024	9/27/2024	5	20	
2	Site Preparation	Site Preparation	9/28/2024	10/11/2024	5	10	
3	Grading	Grading	10/12/2024	11/22/2024	5	30	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4	Building Construction	Building Construction	11/23/2024	7/8/2026	5	423
5	Paving	Paving	7/9/2026	8/5/2026	5	20
6	Architectural Coating	Architectural Coating	8/6/2026	9/2/2026	5	20

Acres of Grading (Site Preparation Phase): 15**Acres of Grading (Grading Phase): 90****Acres of Paving: 8.47****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 139,500; Non-Residential Outdoor: 46,500; Striped Parking Area: 22,140 (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
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	2	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
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
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

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	528.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	185.00	76.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	37.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 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					
Fugitive Dust					0.0578	0.0000	0.0578	8.7500e-003	0.0000	8.7500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0224	0.2088	0.1971	3.9000e-004		9.6000e-003	9.6000e-003		8.9200e-003	8.9200e-003	0.0000	33.9961	33.9961	9.5100e-003	0.0000	34.2338
Total	0.0224	0.2088	0.1971	3.9000e-004	0.0578	9.6000e-003	0.0674	8.7500e-003	8.9200e-003	0.0177	0.0000	33.9961	33.9961	9.5100e-003	0.0000	34.2338

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 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	tons/yr										MT/yr					
Hauling	5.8000e-004	0.0355	9.6600e-003	1.5000e-004	4.5200e-003	3.0000e-004	4.8200e-003	1.2400e-003	2.8000e-004	1.5200e-003	0.0000	15.5650	15.5650	8.2000e-004	2.4800e-003	16.3238
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	3.8000e-004	2.5000e-004	3.2100e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9396	0.9396	3.0000e-005	2.0000e-005	0.9476
Total	9.6000e-004	0.0358	0.0129	1.6000e-004	5.7200e-003	3.1000e-004	6.0300e-003	1.5600e-003	2.9000e-004	1.8500e-003	0.0000	16.5046	16.5046	8.5000e-004	2.5000e-003	17.2714

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					0.0225	0.0000	0.0225	3.4100e-003	0.0000	3.4100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0224	0.2088	0.1971	3.9000e-004		9.6000e-003	9.6000e-003		8.9200e-003	8.9200e-003	0.0000	33.9960	33.9960	9.5100e-003	0.0000	34.2338
Total	0.0224	0.2088	0.1971	3.9000e-004	0.0225	9.6000e-003	0.0321	3.4100e-003	8.9200e-003	0.0123	0.0000	33.9960	33.9960	9.5100e-003	0.0000	34.2338

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 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	tons/yr										MT/yr					
Hauling	5.8000e-004	0.0355	9.6600e-003	1.5000e-004	4.5200e-003	3.0000e-004	4.8200e-003	1.2400e-003	2.8000e-004	1.5200e-003	0.0000	15.5650	15.5650	8.2000e-004	2.4800e-003	16.3238
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	3.8000e-004	2.5000e-004	3.2100e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9396	0.9396	3.0000e-005	2.0000e-005	0.9476
Total	9.6000e-004	0.0358	0.0129	1.6000e-004	5.7200e-003	3.1000e-004	6.0300e-003	1.5600e-003	2.9000e-004	1.8500e-003	0.0000	16.5046	16.5046	8.5000e-004	2.5000e-003	17.2714

3.3 Site Preparation - 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					
Fugitive Dust					0.0983	0.0000	0.0983	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0133	0.1359	0.0917	1.9000e-004		6.1500e-003	6.1500e-003		5.6600e-003	5.6600e-003	0.0000	16.7285	16.7285	5.4100e-003	0.0000	16.8638
Total	0.0133	0.1359	0.0917	1.9000e-004	0.0983	6.1500e-003	0.1044	0.0505	5.6600e-003	0.0562	0.0000	16.7285	16.7285	5.4100e-003	0.0000	16.8638

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3.3 Site Preparation - 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	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	2.3000e-004	1.5000e-004	1.9200e-003	1.0000e-005	7.2000e-004	0.0000	7.3000e-004	1.9000e-004	0.0000	2.0000e-004	0.0000	0.5638	0.5638	2.0000e-005	1.0000e-005	0.5686
Total	2.3000e-004	1.5000e-004	1.9200e-003	1.0000e-005	7.2000e-004	0.0000	7.3000e-004	1.9000e-004	0.0000	2.0000e-004	0.0000	0.5638	0.5638	2.0000e-005	1.0000e-005	0.5686

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					0.0383	0.0000	0.0383	0.0197	0.0000	0.0197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0133	0.1359	0.0917	1.9000e-004		6.1500e-003	6.1500e-003		5.6500e-003	5.6500e-003	0.0000	16.7285	16.7285	5.4100e-003	0.0000	16.8638
Total	0.0133	0.1359	0.0917	1.9000e-004	0.0383	6.1500e-003	0.0445	0.0197	5.6500e-003	0.0254	0.0000	16.7285	16.7285	5.4100e-003	0.0000	16.8638

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3.3 Site Preparation - 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	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	2.3000e-004	1.5000e-004	1.9200e-003	1.0000e-005	7.2000e-004	0.0000	7.3000e-004	1.9000e-004	0.0000	2.0000e-004	0.0000	0.5638	0.5638	2.0000e-005	1.0000e-005	0.5686
Total	2.3000e-004	1.5000e-004	1.9200e-003	1.0000e-005	7.2000e-004	0.0000	7.3000e-004	1.9000e-004	0.0000	2.0000e-004	0.0000	0.5638	0.5638	2.0000e-005	1.0000e-005	0.5686

3.4 Grading - 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					
Fugitive Dust					0.1381	0.0000	0.1381	0.0548	0.0000	0.0548	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0483	0.4857	0.4158	9.3000e-004		0.0200	0.0200		0.0184	0.0184	0.0000	81.7793	81.7793	0.0265	0.0000	82.4405
Total	0.0483	0.4857	0.4158	9.3000e-004	0.1381	0.0200	0.1581	0.0548	0.0184	0.0732	0.0000	81.7793	81.7793	0.0265	0.0000	82.4405

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Grading - 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	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	7.6000e-004	5.1000e-004	6.4200e-003	2.0000e-005	2.4100e-003	1.0000e-005	2.4200e-003	6.4000e-004	1.0000e-005	6.5000e-004	0.0000	1.8792	1.8792	5.0000e-005	5.0000e-005	1.8953
Total	7.6000e-004	5.1000e-004	6.4200e-003	2.0000e-005	2.4100e-003	1.0000e-005	2.4200e-003	6.4000e-004	1.0000e-005	6.5000e-004	0.0000	1.8792	1.8792	5.0000e-005	5.0000e-005	1.8953

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					0.0538	0.0000	0.0538	0.0214	0.0000	0.0214	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0483	0.4857	0.4158	9.3000e-004		0.0200	0.0200		0.0184	0.0184	0.0000	81.7792	81.7792	0.0265	0.0000	82.4404
Total	0.0483	0.4857	0.4158	9.3000e-004	0.0538	0.0200	0.0739	0.0214	0.0184	0.0398	0.0000	81.7792	81.7792	0.0265	0.0000	82.4404

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3.4 Grading - 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	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	7.6000e-004	5.1000e-004	6.4200e-003	2.0000e-005	2.4100e-003	1.0000e-005	2.4200e-003	6.4000e-004	1.0000e-005	6.5000e-004	0.0000	1.8792	1.8792	5.0000e-005	5.0000e-005	1.8953
Total	7.6000e-004	5.1000e-004	6.4200e-003	2.0000e-005	2.4100e-003	1.0000e-005	2.4200e-003	6.4000e-004	1.0000e-005	6.5000e-004	0.0000	1.8792	1.8792	5.0000e-005	5.0000e-005	1.8953

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	0.0199	0.1815	0.2183	3.6000e-004		8.2800e-003	8.2800e-003		7.7900e-003	7.7900e-003	0.0000	31.2996	31.2996	7.4000e-003	0.0000	31.4847
Total	0.0199	0.1815	0.2183	3.6000e-004		8.2800e-003	8.2800e-003		7.7900e-003	7.7900e-003	0.0000	31.2996	31.2996	7.4000e-003	0.0000	31.4847

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 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	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	1.1600e-003	0.0452	0.0157	2.1000e-004	6.8100e-003	2.7000e-004	7.0800e-003	1.9700e-003	2.6000e-004	2.2300e-003	0.0000	20.2282	20.2282	6.4000e-004	2.9300e-003	21.1174
Worker	6.3500e-003	4.2100e-003	0.0534	1.7000e-004	0.0200	1.1000e-004	0.0201	5.3200e-003	1.0000e-004	5.4200e-003	0.0000	15.6444	15.6444	4.3000e-004	4.1000e-004	15.7782
Total	7.5100e-003	0.0495	0.0691	3.8000e-004	0.0268	3.8000e-004	0.0272	7.2900e-003	3.6000e-004	7.6500e-003	0.0000	35.8726	35.8726	1.0700e-003	3.3400e-003	36.8957

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	0.0199	0.1815	0.2183	3.6000e-004		8.2800e-003	8.2800e-003		7.7900e-003	7.7900e-003	0.0000	31.2996	31.2996	7.4000e-003	0.0000	31.4846
Total	0.0199	0.1815	0.2183	3.6000e-004		8.2800e-003	8.2800e-003		7.7900e-003	7.7900e-003	0.0000	31.2996	31.2996	7.4000e-003	0.0000	31.4846

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3.5 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	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	1.1600e-003	0.0452	0.0157	2.1000e-004	6.8100e-003	2.7000e-004	7.0800e-003	1.9700e-003	2.6000e-004	2.2300e-003	0.0000	20.2282	20.2282	6.4000e-004	2.9300e-003	21.1174
Worker	6.3500e-003	4.2100e-003	0.0534	1.7000e-004	0.0200	1.1000e-004	0.0201	5.3200e-003	1.0000e-004	5.4200e-003	0.0000	15.6444	15.6444	4.3000e-004	4.1000e-004	15.7782
Total	7.5100e-003	0.0495	0.0691	3.8000e-004	0.0268	3.8000e-004	0.0272	7.2900e-003	3.6000e-004	7.6500e-003	0.0000	35.8726	35.8726	1.0700e-003	3.3400e-003	36.8957

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

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 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	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	0.0109	0.4330	0.1492	1.9500e-003	0.0659	2.6000e-003	0.0685	0.0190	2.4900e-003	0.0215	0.0000	191.8115	191.8115	6.3100e-003	0.0278	200.2461
Worker	0.0579	0.0368	0.4849	1.5600e-003	0.1936	9.7000e-004	0.1946	0.0515	9.0000e-004	0.0523	0.0000	147.5357	147.5357	3.7800e-003	3.7500e-003	148.7470
Total	0.0687	0.4698	0.6341	3.5100e-003	0.2595	3.5700e-003	0.2630	0.0705	3.3900e-003	0.0738	0.0000	339.3472	339.3472	0.0101	0.0315	348.9931

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	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

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3.5 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	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	0.0109	0.4330	0.1492	1.9500e-003	0.0659	2.6000e-003	0.0685	0.0190	2.4900e-003	0.0215	0.0000	191.8115	191.8115	6.3100e-003	0.0278	200.2461
Worker	0.0579	0.0368	0.4849	1.5600e-003	0.1936	9.7000e-004	0.1946	0.0515	9.0000e-004	0.0523	0.0000	147.5357	147.5357	3.7800e-003	3.7500e-003	148.7470
Total	0.0687	0.4698	0.6341	3.5100e-003	0.2595	3.5700e-003	0.2630	0.0705	3.3900e-003	0.0738	0.0000	339.3472	339.3472	0.0101	0.0315	348.9931

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	0.0923	0.8417	1.0857	1.8200e-003		0.0356	0.0356		0.0335	0.0335	0.0000	156.5456	156.5456	0.0368	0.0000	157.4656
Total	0.0923	0.8417	1.0857	1.8200e-003		0.0356	0.0356		0.0335	0.0335	0.0000	156.5456	156.5456	0.0368	0.0000	157.4656

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 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	5.4600e-003	0.2216	0.0762	9.9000e-004	0.0341	1.3300e-003	0.0354	9.8400e-003	1.2800e-003	0.0111	0.0000	97.3188	97.3188	3.3500e-003	0.0141	101.5999
Worker	0.0283	0.0174	0.2369	7.8000e-004	0.1001	4.8000e-004	0.1006	0.0266	4.4000e-004	0.0271	0.0000	74.5327	74.5327	1.7900e-003	1.8300e-003	75.1234
Total	0.0338	0.2390	0.3131	1.7700e-003	0.1342	1.8100e-003	0.1360	0.0365	1.7200e-003	0.0382	0.0000	171.8514	171.8514	5.1400e-003	0.0159	176.7233

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	0.0923	0.8417	1.0857	1.8200e-003		0.0356	0.0356		0.0335	0.0335	0.0000	156.5454	156.5454	0.0368	0.0000	157.4654
Total	0.0923	0.8417	1.0857	1.8200e-003		0.0356	0.0356		0.0335	0.0335	0.0000	156.5454	156.5454	0.0368	0.0000	157.4654

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3.5 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	5.4600e-003	0.2216	0.0762	9.9000e-004	0.0341	1.3300e-003	0.0354	9.8400e-003	1.2800e-003	0.0111	0.0000	97.3188	97.3188	3.3500e-003	0.0141	101.5999
Worker	0.0283	0.0174	0.2369	7.8000e-004	0.1001	4.8000e-004	0.1006	0.0266	4.4000e-004	0.0271	0.0000	74.5327	74.5327	1.7900e-003	1.8300e-003	75.1234
Total	0.0338	0.2390	0.3131	1.7700e-003	0.1342	1.8100e-003	0.1360	0.0365	1.7200e-003	0.0382	0.0000	171.8514	171.8514	5.1400e-003	0.0159	176.7233

3.6 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	9.1500e-003	0.0858	0.1458	2.3000e-004		4.1900e-003	4.1900e-003		3.8500e-003	3.8500e-003	0.0000	20.0193	20.0193	6.4700e-003	0.0000	20.1811
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.1500e-003	0.0858	0.1458	2.3000e-004		4.1900e-003	4.1900e-003		3.8500e-003	3.8500e-003	0.0000	20.0193	20.0193	6.4700e-003	0.0000	20.1811

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 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	3.4000e-004	2.1000e-004	2.8500e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.8953	0.8953	2.0000e-005	2.0000e-005	0.9024
Total	3.4000e-004	2.1000e-004	2.8500e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.8953	0.8953	2.0000e-005	2.0000e-005	0.9024

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	9.1500e-003	0.0858	0.1458	2.3000e-004		4.1900e-003	4.1900e-003		3.8500e-003	3.8500e-003	0.0000	20.0192	20.0192	6.4700e-003	0.0000	20.1811
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.1500e-003	0.0858	0.1458	2.3000e-004		4.1900e-003	4.1900e-003		3.8500e-003	3.8500e-003	0.0000	20.0192	20.0192	6.4700e-003	0.0000	20.1811

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3.6 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	3.4000e-004	2.1000e-004	2.8500e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.8953	0.8953	2.0000e-005	2.0000e-005	0.9024
Total	3.4000e-004	2.1000e-004	2.8500e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.8953	0.8953	2.0000e-005	2.0000e-005	0.9024

3.7 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	0.2412					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7100e-003	0.0115	0.0181	3.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	2.5533	2.5533	1.4000e-004	0.0000	2.5567
Total	0.2429	0.0115	0.0181	3.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	2.5533	2.5533	1.4000e-004	0.0000	2.5567

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3.7 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	8.4000e-004	5.2000e-004	7.0200e-003	2.0000e-005	2.9700e-003	1.0000e-005	2.9800e-003	7.9000e-004	1.0000e-005	8.0000e-004	0.0000	2.2084	2.2084	5.0000e-005	5.0000e-005	2.2259
Total	8.4000e-004	5.2000e-004	7.0200e-003	2.0000e-005	2.9700e-003	1.0000e-005	2.9800e-003	7.9000e-004	1.0000e-005	8.0000e-004	0.0000	2.2084	2.2084	5.0000e-005	5.0000e-005	2.2259

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	0.2412					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7100e-003	0.0115	0.0181	3.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	2.5533	2.5533	1.4000e-004	0.0000	2.5567
Total	0.2429	0.0115	0.0181	3.0000e-005		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	2.5533	2.5533	1.4000e-004	0.0000	2.5567

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.7 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	8.4000e-004	5.2000e-004	7.0200e-003	2.0000e-005	2.9700e-003	1.0000e-005	2.9800e-003	7.9000e-004	1.0000e-005	8.0000e-004	0.0000	2.2084	2.2084	5.0000e-005	5.0000e-005	2.2259
Total	8.4000e-004	5.2000e-004	7.0200e-003	2.0000e-005	2.9700e-003	1.0000e-005	2.9800e-003	7.9000e-004	1.0000e-005	8.0000e-004	0.0000	2.2084	2.2084	5.0000e-005	5.0000e-005	2.2259

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.3805	0.3961	3.4756	7.2800e-003	0.8522	5.5400e-003	0.8577	0.2274	5.1700e-003	0.2326	0.0000	699.3467	699.3467	0.0496	0.0312	709.8948
Unmitigated	0.3805	0.3961	3.4756	7.2800e-003	0.8522	5.5400e-003	0.8577	0.2274	5.1700e-003	0.2326	0.0000	699.3467	699.3467	0.0496	0.0312	709.8948

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hospital	117.92	84.92	74.47	269,469	269,469
Hospital	879.04	633.04	555.14	2,008,770	2,008,770
Total	996.96	717.96	629.61	2,278,239	2,278,239

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Hospital	9.50	7.30	7.30	64.90	16.10	19.00	73	25	2
Hospital	9.50	7.30	7.30	64.90	16.10	19.00	73	25	2

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.568480	0.062094	0.174123	0.115064	0.023357	0.006399	0.009361	0.006325	0.000693	0.000596	0.028205	0.000919	0.004383
Hospital	0.568480	0.062094	0.174123	0.115064	0.023357	0.006399	0.009361	0.006325	0.000693	0.000596	0.028205	0.000919	0.004383

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	857.9436	857.9436	0.0524	6.3600e-003	861.1483
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	857.9436	857.9436	0.0524	6.3600e-003	861.1483
NaturalGas Mitigated	0.0288	0.2620	0.2200	1.5700e-003		0.0199	0.0199		0.0199	0.0199	0.0000	285.1645	285.1645	5.4700e-003	5.2300e-003	286.8590
NaturalGas Unmitigated	0.0288	0.2620	0.2200	1.5700e-003		0.0199	0.0199		0.0199	0.0199	0.0000	285.1645	285.1645	5.4700e-003	5.2300e-003	286.8590

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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					
Enclosed Parking with Elevator	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
Hospital	4.71172e+006	0.0254	0.2310	0.1940	1.3900e-003		0.0176	0.0176		0.0176	0.0176	0.0000	251.4353	251.4353	4.8200e-003	4.6100e-003	252.9295
Hospital	632060	3.4100e-003	0.0310	0.0260	1.9000e-004		2.3500e-003	2.3500e-003		2.3500e-003	2.3500e-003	0.0000	33.7291	33.7291	6.5000e-004	6.2000e-004	33.9296
Total		0.0288	0.2620	0.2200	1.5800e-003		0.0199	0.0199		0.0199	0.0199	0.0000	285.1645	285.1645	5.4700e-003	5.2300e-003	286.8590

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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					
Enclosed Parking with Elevator	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
Hospital	4.71172e+006	0.0254	0.2310	0.1940	1.3900e-003		0.0176	0.0176		0.0176	0.0176	0.0000	251.4353	251.4353	4.8200e-003	4.6100e-003	252.9295
Hospital	632060	3.4100e-003	0.0310	0.0260	1.9000e-004		2.3500e-003	2.3500e-003		2.3500e-003	2.3500e-003	0.0000	33.7291	33.7291	6.5000e-004	6.2000e-004	33.9296
Total		0.0288	0.2620	0.2200	1.5800e-003		0.0199	0.0199		0.0199	0.0199	0.0000	285.1645	285.1645	5.4700e-003	5.2300e-003	286.8590

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**5.3 Energy by Land Use - Electricity****Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	2.00736e+006	491.6643	0.0301	3.6400e-003	493.5008
Hospital	1.31856e+006	322.9560	0.0197	2.3900e-003	324.1623
Hospital	176880	43.3234	2.6500e-003	3.2000e-004	43.4852
Total		857.9436	0.0524	6.3500e-003	861.1483

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**5.3 Energy by Land Use - Electricity****Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	2.00736e+006	491.6643	0.0301	3.6400e-003	493.5008
Hospital	1.31856e+006	322.9560	0.0197	2.3900e-003	324.1623
Hospital	176880	43.3234	2.6500e-003	3.2000e-004	43.4852
Total		857.9436	0.0524	6.3500e-003	861.1483

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 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	0.4116	4.0000e-005	4.2300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.2600e-003	8.2600e-003	2.0000e-005	0.0000	8.7900e-003
Unmitigated	0.4116	4.0000e-005	4.2300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.2600e-003	8.2600e-003	2.0000e-005	0.0000	8.7900e-003

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	0.0241					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3871					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.9000e-004	4.0000e-005	4.2300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.2600e-003	8.2600e-003	2.0000e-005	0.0000	8.7900e-003
Total	0.4116	4.0000e-005	4.2300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.2600e-003	8.2600e-003	2.0000e-005	0.0000	8.7900e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.0241					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3871					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.9000e-004	4.0000e-005	4.2300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.2600e-003	8.2600e-003	2.0000e-005	0.0000	8.7900e-003
Total	0.4116	4.0000e-005	4.2300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.2600e-003	8.2600e-003	2.0000e-005	0.0000	8.7900e-003

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 Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	46.9684	0.3829	9.3000e-003	59.3121
Unmitigated	46.9684	0.3829	9.3000e-003	59.3121

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Hospital	11.6697 / 2.2228	46.9684	0.3829	9.3000e-003	59.3121
Total		46.9684	0.3829	9.3000e-003	59.3121

Rady_Mental Behavioral Health_23Aug2022 - San Diego County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**7.2 Water by Land Use****Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Hospital	11.6697 / 2.2228	46.9684	0.3829	9.3000e-003	59.3121
Total		46.9684	0.3829	9.3000e-003	59.3121

8.0 Waste Detail**8.1 Mitigation Measures Waste****Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	203.8841	12.0492	0.0000	505.1143
Unmitigated	203.8841	12.0492	0.0000	505.1143

Rady_Mental Behavioral Health_23Aug2022 - San Diego County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.2 Waste by Land Use****Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hospital	1004.4	203.8841	12.0492	0.0000	505.1143
Total		203.8841	12.0492	0.0000	505.1143

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hospital	1004.4	203.8841	12.0492	0.0000	505.1143
Total		203.8841	12.0492	0.0000	505.1143

9.0 Operational Offroad

Rady_Mental Behavioral Health_23Aug2022 - San Diego County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Rady SD_ICU/ESP

San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	36.00	1000sqft	0.83	36,000.00	0
Hospital	180.00	Bed	2.96	128,836.36	0
Enclosed Parking with Elevator	33.50	1000sqft	0.77	33,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2027
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	539.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Square footage of the hospital.
- Construction Phase - Construction schedule by construction contractors.
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment - Construction equipment provided by project contractor.
- Off-road Equipment -
- Off-road Equipment - Construction equipment provided by project contractor.
- Off-road Equipment -

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Construction equipment provided by project contractor.

Trips and VMT - Total hauling trips provided by contractor

Demolition -

Grading - Acres graded provided by construction contractors.

Architectural Coating - Architectural Coating - SDAPCD Regulation IV Rule 67.0.1

Vehicle Trips - The Project will generate approximately 280 ADT.

Area Coating - Architectural Coating - SDAPCD Regulation IV Rule 67.0.1

Construction Off-road Equipment Mitigation -

Area Mitigation - Architectural Coating - SDAPCD Regulation IV Rule 67.0.1

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	18.00	375.00
tblConstructionPhase	NumDays	18.00	140.00
tblConstructionPhase	NumDays	230.00	856.00
tblConstructionPhase	NumDays	20.00	131.00

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	NumDays	8.00	98.00
tblConstructionPhase	NumDays	18.00	110.00
tblConstructionPhase	NumDays	18.00	55.00
tblConstructionPhase	NumDays	5.00	151.00
tblConstructionPhase	PhaseEndDate	12/12/2024	11/15/2027
tblConstructionPhase	PhaseEndDate	11/18/2024	4/20/2026
tblConstructionPhase	PhaseEndDate	9/3/2024	12/20/2027
tblConstructionPhase	PhaseEndDate	9/28/2023	12/2/2024
tblConstructionPhase	PhaseEndDate	10/17/2023	2/28/2025
tblConstructionPhase	PhaseEndDate	10/23/2024	11/15/2027
tblConstructionPhase	PhaseEndDate	9/27/2024	5/18/2026
tblConstructionPhase	PhaseEndDate	10/5/2023	3/29/2024
tblConstructionPhase	PhaseEndDate	10/17/2023	6/19/2023
tblConstructionPhase	PhaseEndDate	10/17/2023	5/26/2023
tblConstructionPhase	PhaseEndDate	10/17/2023	2/7/2024
tblConstructionPhase	PhaseStartDate	11/19/2024	6/9/2026
tblConstructionPhase	PhaseStartDate	10/24/2024	10/7/2025
tblConstructionPhase	PhaseStartDate	10/18/2023	9/9/2024
tblConstructionPhase	PhaseStartDate	9/1/2023	6/3/2024
tblConstructionPhase	PhaseStartDate	10/6/2023	10/16/2024
tblConstructionPhase	PhaseStartDate	9/28/2024	6/15/2027
tblConstructionPhase	PhaseStartDate	9/4/2024	3/3/2026
tblConstructionPhase	PhaseStartDate	9/29/2023	9/1/2023
tblConstructionPhase	PhaseStartDate	10/18/2023	3/6/2023
tblConstructionPhase	PhaseStartDate	10/18/2023	4/3/2023
tblConstructionPhase	PhaseStartDate	10/18/2023	9/28/2023
tblGrading	AcresOfGrading	98.00	11.00
tblGrading	AcresOfGrading	226.50	10.00
tblTripsAndVMT	HaulingTripNumber	0.00	100.00

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblTripsAndVMT	HaulingTripNumber	0.00	4.00
tblTripsAndVMT	HaulingTripNumber	0.00	4.00
tblTripsAndVMT	HaulingTripNumber	0.00	4.00
tblTripsAndVMT	HaulingTripNumber	0.00	100.00
tblTripsAndVMT	HaulingTripNumber	0.00	100.00
tblVehicleTrips	ST_TR	2.21	0.00
tblVehicleTrips	ST_TR	13.76	1.55
tblVehicleTrips	SU_TR	0.70	0.00
tblVehicleTrips	SU_TR	12.88	1.55
tblVehicleTrips	WD_TR	9.74	0.00
tblVehicleTrips	WD_TR	22.32	1.55

2.0 Emissions Summary

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	3.0515	29.9552	22.6884	0.0466	18.3508	1.3747	19.7255	9.9951	1.2673	11.2624	0.0000	4,494.7966	4,494.7966	1.3714	5.1900e-003	4,530.6304
2024	5.6723	53.3829	53.4466	0.1110	18.3508	2.3148	19.6820	9.9951	2.1515	11.2223	0.0000	10,834.2104	10,834.2104	2.6348	0.1584	10,947.2736
2025	7.2592	29.4196	32.8819	0.0693	7.0561	1.1642	8.2203	3.5710	1.0823	4.6533	0.0000	6,777.4404	6,777.4404	1.5707	0.1252	6,854.0293
2026	8.1170	22.8788	32.6139	0.0628	1.0768	0.9459	2.0227	0.2910	0.8873	1.1783	0.0000	6,136.1432	6,136.1432	1.2291	0.1330	6,206.4981
2027	4.6610	22.7376	32.4730	0.0620	1.0609	0.9446	2.0054	0.2866	0.8861	1.1727	0.0000	6,049.0016	6,049.0016	1.2251	0.1209	6,115.6657
Maximum	8.1170	53.3829	53.4466	0.1110	18.3508	2.3148	19.7255	9.9951	2.1515	11.2624	0.0000	10,834.2104	10,834.2104	2.6348	0.1584	10,947.2736

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

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					
2023	3.0515	29.9552	22.6884	0.0466	7.2876	1.3747	8.6623	3.9328	1.2673	5.2000	0.0000	4,494.796 6	4,494.796 6	1.3714	5.1900e- 003	4,530.630 4
2024	5.6723	53.3829	53.4466	0.1110	7.2876	2.3148	8.6187	3.9328	2.1515	5.1600	0.0000	10,834.21 04	10,834.21 04	2.6348	0.1584	10,947.27 36
2025	7.2592	29.4196	32.8819	0.0693	3.3100	1.1642	4.4742	1.5439	1.0823	2.6262	0.0000	6,777.440 4	6,777.440 4	1.5707	0.1252	6,854.029 3
2026	8.1170	22.8788	32.6139	0.0628	1.0768	0.9459	2.0227	0.2910	0.8873	1.1783	0.0000	6,136.143 2	6,136.143 2	1.2291	0.1330	6,206.498 1
2027	4.6610	22.7376	32.4730	0.0620	1.0609	0.9446	2.0054	0.2866	0.8861	1.1727	0.0000	6,049.001 6	6,049.001 6	1.2251	0.1209	6,115.665 7
Maximum	8.1170	53.3829	53.4466	0.1110	7.2876	2.3148	8.6623	3.9328	2.1515	5.2000	0.0000	10,834.21 04	10,834.21 04	2.6348	0.1584	10,947.27 36

	ROG	NOx	CO	SO2	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	56.37	0.00	50.09	58.63	0.00	47.99	0.00	0.00	0.00	0.00	0.00	0.00

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	3.7523	2.3000e-004	0.0254	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0546	0.0546	1.4000e-004		0.0582
Energy	0.2400	2.1821	1.8330	0.0131		0.1658	0.1658		0.1658	0.1658		2,618.5390	2,618.5390	0.0502	0.0480	2,634.0997
Mobile	0.6764	0.6269	5.8244	0.0128	1.4790	9.4000e-003	1.4884	0.3940	8.7700e-003	0.4027		1,357.7750	1,357.7750	0.0893	0.0560	1,376.6986
Total	4.6687	2.8093	7.6828	0.0259	1.4790	0.1753	1.6544	0.3940	0.1747	0.5687		3,976.3686	3,976.3686	0.1396	0.1040	4,010.8565

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	3.7523	2.3000e-004	0.0254	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0546	0.0546	1.4000e-004		0.0582
Energy	0.2400	2.1821	1.8330	0.0131		0.1658	0.1658		0.1658	0.1658		2,618.5390	2,618.5390	0.0502	0.0480	2,634.0997
Mobile	0.6764	0.6269	5.8244	0.0128	1.4790	9.4000e-003	1.4884	0.3940	8.7700e-003	0.4027		1,357.7750	1,357.7750	0.0893	0.0560	1,376.6986
Total	4.6687	2.8093	7.6828	0.0259	1.4790	0.1753	1.6544	0.3940	0.1747	0.5687		3,976.3686	3,976.3686	0.1396	0.1040	4,010.8565

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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

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	6/3/2024	12/2/2024	5	131	
2	Site Preparation	Site Preparation	9/1/2023	3/29/2024	5	151	
3	Grading	Grading	10/16/2024	2/28/2025	5	98	
4	Front St SDG&E Work	Trenching	3/6/2023	6/19/2023	5	76	
5	Children's Way SDG&E Work	Trenching	4/3/2023	5/26/2023	5	40	
6	West Road SDG&E U/G Work	Trenching	9/28/2023	2/7/2024	5	95	
7	Building Construction	Building Construction	9/9/2024	12/20/2027	5	856	
8	Paving	Paving	3/3/2026	5/18/2026	5	55	
9	Paving 2	Paving	6/15/2027	11/15/2027	5	110	
10	Architectural Coating	Architectural Coating	10/7/2025	4/20/2026	5	140	
11	Architectural Coating 2	Architectural Coating	6/9/2026	11/15/2027	5	375	

Acres of Grading (Site Preparation Phase): 10**Acres of Grading (Grading Phase): 11****Acres of Paving: 0.77****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 247,255; Non-Residential Outdoor: 82,418; Striped Parking Area: 2,010 (Architectural Coating – sqft)****OffRoad Equipment**

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Front St SDG&E Work	Aerial Lifts	1	8.00	63	0.31
Front St SDG&E Work	Cement and Mortar Mixers	1	8.00	9	0.56
Front St SDG&E Work	Dumpers/Tenders	1	8.00	16	0.38
Front St SDG&E Work	Excavators	1	8.00	158	0.38
Children's Way SDG&E Work	Cement and Mortar Mixers	1	8.00	9	0.56
Children's Way SDG&E Work	Dumpers/Tenders	1	8.00	16	0.38
Children's Way SDG&E Work	Excavators	1	8.00	158	0.38
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
West Road SDG&E U/G Work	Cement and Mortar Mixers	1	8.00	9	0.56
West Road SDG&E U/G Work	Dumpers/Tenders	1	8.00	16	0.38
West Road SDG&E U/G Work	Excavators	1	8.00	158	0.38
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	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	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

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating 2	Air Compressors	1	6.00	78	0.48
Paving 2	Cement and Mortar Mixers	2	6.00	9	0.56
Paving 2	Pavers	1	8.00	130	0.42
Paving 2	Paving Equipment	2	6.00	132	0.36
Paving 2	Rollers	2	6.00	80	0.38
Paving 2	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
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Front St SDG&E Work	4	10.00	0.00	4.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Children's Way SDG&E Work	3	8.00	0.00	4.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	348.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
West Road SDG&E U/G Work	3	8.00	0.00	4.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	100.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	67.00	33.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	100.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating 2	1	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving 2	8	20.00	0.00	100.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Demolition - 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					
Fugitive Dust					0.5816	0.0000	0.5816	0.0881	0.0000	0.0881			0.0000			0.0000
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922		3,747.4228	3,747.4228	1.0485		3,773.6345
Total	2.2437	20.8781	19.7073	0.0388	0.5816	0.9602	1.5418	0.0881	0.8922	0.9803		3,747.4228	3,747.4228	1.0485		3,773.6345

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	5.9400e-003	0.3445	0.0968	1.5600e-003	0.0465	2.9700e-003	0.0494	0.0127	2.8400e-003	0.0156		172.5751	172.5751	9.1200e-003	0.0275	180.9876
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	0.0385	0.0229	0.3373	1.0500e-003	0.1232	6.3000e-004	0.1239	0.0327	5.8000e-004	0.0333		108.6237	108.6237	2.7100e-003	2.5600e-003	109.4555
Total	0.0445	0.3674	0.4341	2.6100e-003	0.1697	3.6000e-003	0.1733	0.0454	3.4200e-003	0.0488		281.1988	281.1988	0.0118	0.0300	290.4431

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 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					
Fugitive Dust					0.2268	0.0000	0.2268	0.0344	0.0000	0.0344			0.0000			0.0000
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345
Total	2.2437	20.8781	19.7073	0.0388	0.2268	0.9602	1.1870	0.0344	0.8922	0.9265	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345

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	5.9400e-003	0.3445	0.0968	1.5600e-003	0.0465	2.9700e-003	0.0494	0.0127	2.8400e-003	0.0156		172.5751	172.5751	9.1200e-003	0.0275	180.9876
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	0.0385	0.0229	0.3373	1.0500e-003	0.1232	6.3000e-004	0.1239	0.0327	5.8000e-004	0.0333		108.6237	108.6237	2.7100e-003	2.5600e-003	109.4555
Total	0.0445	0.3674	0.4341	2.6100e-003	0.1697	3.6000e-003	0.1733	0.0454	3.4200e-003	0.0488		281.1988	281.1988	0.0118	0.0300	290.4431

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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					18.1365	0.0000	18.1365	9.9383	0.0000	9.9383			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	18.1365	1.2660	19.4025	9.9383	1.1647	11.1030		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	0.0492	0.0306	0.4332	1.3100e-003	0.1479	8.0000e-004	0.1487	0.0392	7.3000e-004	0.0400		133.7136	133.7136	3.5800e-003	3.2900e-003	134.7841
Total	0.0492	0.0306	0.4332	1.3100e-003	0.1479	8.0000e-004	0.1487	0.0392	7.3000e-004	0.0400		133.7136	133.7136	3.5800e-003	3.2900e-003	134.7841

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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					7.0732	0.0000	7.0732	3.8759	0.0000	3.8759			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	7.0732	1.2660	8.3393	3.8759	1.1647	5.0407	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	0.0492	0.0306	0.4332	1.3100e-003	0.1479	8.0000e-004	0.1487	0.0392	7.3000e-004	0.0400		133.7136	133.7136	3.5800e-003	3.2900e-003	134.7841
Total	0.0492	0.0306	0.4332	1.3100e-003	0.1479	8.0000e-004	0.1487	0.0392	7.3000e-004	0.0400		133.7136	133.7136	3.5800e-003	3.2900e-003	134.7841

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Site Preparation - 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					
Fugitive Dust					18.1365	0.0000	18.1365	9.9383	0.0000	9.9383			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310		3,688.010 0	3,688.010 0	1.1928		3,717.829 4
Total	2.6609	27.1760	18.3356	0.0381	18.1365	1.2294	19.3658	9.9383	1.1310	11.0693		3,688.010 0	3,688.010 0	1.1928		3,717.829 4

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	0.0462	0.0275	0.4048	1.2600e-003	0.1479	7.6000e-004	0.1486	0.0392	7.0000e-004	0.0399		130.3484	130.3484	3.2600e-003	3.0800e-003	131.3466
Total	0.0462	0.0275	0.4048	1.2600e-003	0.1479	7.6000e-004	0.1486	0.0392	7.0000e-004	0.0399		130.3484	130.3484	3.2600e-003	3.0800e-003	131.3466

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 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					
Fugitive Dust					7.0732	0.0000	7.0732	3.8759	0.0000	3.8759			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310	0.0000	3,688.010 0	3,688.010 0	1.1928		3,717.829 4
Total	2.6609	27.1760	18.3356	0.0381	7.0732	1.2294	8.3026	3.8759	1.1310	5.0069	0.0000	3,688.010 0	3,688.010 0	1.1928		3,717.829 4

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	0.0462	0.0275	0.4048	1.2600e-003	0.1479	7.6000e-004	0.1486	0.0392	7.0000e-004	0.0399		130.3484	130.3484	3.2600e-003	3.0800e-003	131.3466
Total	0.0462	0.0275	0.4048	1.2600e-003	0.1479	7.6000e-004	0.1486	0.0392	7.0000e-004	0.0399		130.3484	130.3484	3.2600e-003	3.0800e-003	131.3466

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 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					
Fugitive Dust					6.1411	0.0000	6.1411	3.3231	0.0000	3.3231			0.0000			0.0000
Off-Road	1.6617	17.0310	14.7594	0.0297		0.7244	0.7244		0.6665	0.6665		2,873.054 1	2,873.054 1	0.9292		2,896.284 2
Total	1.6617	17.0310	14.7594	0.0297	6.1411	0.7244	6.8655	3.3231	0.6665	3.9896		2,873.054 1	2,873.054 1	0.9292		2,896.284 2

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	2.2800e-003	0.1323	0.0372	6.0000e-004	0.0179	1.1400e-003	0.0190	4.8900e-003	1.0900e-003	5.9800e-003		66.2894	66.2894	3.5000e-003	0.0106	69.5208
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	0.0385	0.0229	0.3373	1.0500e-003	0.1232	6.3000e-004	0.1239	0.0327	5.8000e-004	0.0333		108.6237	108.6237	2.7100e-003	2.5600e-003	109.4555
Total	0.0408	0.1552	0.3745	1.6500e-003	0.1411	1.7700e-003	0.1428	0.0376	1.6700e-003	0.0393		174.9131	174.9131	6.2100e-003	0.0131	178.9763

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 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					
Fugitive Dust					2.3950	0.0000	2.3950	1.2960	0.0000	1.2960			0.0000			0.0000
Off-Road	1.6617	17.0310	14.7594	0.0297		0.7244	0.7244		0.6665	0.6665	0.0000	2,873.054 1	2,873.054 1	0.9292		2,896.284 2
Total	1.6617	17.0310	14.7594	0.0297	2.3950	0.7244	3.1195	1.2960	0.6665	1.9625	0.0000	2,873.054 1	2,873.054 1	0.9292		2,896.284 2

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	2.2800e-003	0.1323	0.0372	6.0000e-004	0.0179	1.1400e-003	0.0190	4.8900e-003	1.0900e-003	5.9800e-003		66.2894	66.2894	3.5000e-003	0.0106	69.5208
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	0.0385	0.0229	0.3373	1.0500e-003	0.1232	6.3000e-004	0.1239	0.0327	5.8000e-004	0.0333		108.6237	108.6237	2.7100e-003	2.5600e-003	109.4555
Total	0.0408	0.1552	0.3745	1.6500e-003	0.1411	1.7700e-003	0.1428	0.0376	1.6700e-003	0.0393		174.9131	174.9131	6.2100e-003	0.0131	178.9763

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Grading - 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					
Fugitive Dust					6.1411	0.0000	6.1411	3.3231	0.0000	3.3231			0.0000			0.0000
Off-Road	1.5227	15.3148	14.5402	0.0297		0.6236	0.6236		0.5737	0.5737		2,873.705 2	2,873.705 2	0.9294		2,896.940 5
Total	1.5227	15.3148	14.5402	0.0297	6.1411	0.6236	6.7647	3.3231	0.5737	3.8968		2,873.705 2	2,873.705 2	0.9294		2,896.940 5

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	2.2600e-003	0.1305	0.0377	5.8000e-004	0.0179	1.1400e-003	0.0190	4.8900e-003	1.0900e-003	5.9800e-003		64.9450	64.9450	3.6200e-003	0.0103	68.1178
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	0.0363	0.0208	0.3164	1.0200e-003	0.1232	6.0000e-004	0.1238	0.0327	5.6000e-004	0.0332		105.9606	105.9606	2.4700e-003	2.4100e-003	106.7396
Total	0.0386	0.1513	0.3541	1.6000e-003	0.1411	1.7400e-003	0.1428	0.0376	1.6500e-003	0.0392		170.9056	170.9056	6.0900e-003	0.0128	174.8575

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 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					
Fugitive Dust					2.3950	0.0000	2.3950	1.2960	0.0000	1.2960			0.0000			0.0000
Off-Road	1.5227	15.3148	14.5402	0.0297		0.6236	0.6236		0.5737	0.5737	0.0000	2,873.705 2	2,873.705 2	0.9294		2,896.940 5
Total	1.5227	15.3148	14.5402	0.0297	2.3950	0.6236	3.0186	1.2960	0.5737	1.8697	0.0000	2,873.705 2	2,873.705 2	0.9294		2,896.940 5

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	2.2600e-003	0.1305	0.0377	5.8000e-004	0.0179	1.1400e-003	0.0190	4.8900e-003	1.0900e-003	5.9800e-003		64.9450	64.9450	3.6200e-003	0.0103	68.1178
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	0.0363	0.0208	0.3164	1.0200e-003	0.1232	6.0000e-004	0.1238	0.0327	5.6000e-004	0.0332		105.9606	105.9606	2.4700e-003	2.4100e-003	106.7396
Total	0.0386	0.1513	0.3541	1.6000e-003	0.1411	1.7400e-003	0.1428	0.0376	1.6500e-003	0.0392		170.9056	170.9056	6.0900e-003	0.0128	174.8575

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Front St SDG&E Work - 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	0.3555	2.9146	4.9090	8.3100e-003		0.1167	0.1167		0.1099	0.1099		774.1821	774.1821	0.2261		779.8352
Total	0.3555	2.9146	4.9090	8.3100e-003		0.1167	0.1167		0.1099	0.1099		774.1821	774.1821	0.2261		779.8352

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	1.2000e-004	6.8800e-003	1.8900e-003	3.0000e-005	9.2000e-004	6.0000e-005	9.8000e-004	2.5000e-004	6.0000e-005	3.1000e-004		3.4804	3.4804	1.8000e-004	5.5000e-004	3.6497
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	0.0274	0.0170	0.2406	7.3000e-004	0.0822	4.4000e-004	0.0826	0.0218	4.1000e-004	0.0222		74.2854	74.2854	1.9900e-003	1.8300e-003	74.8801
Total	0.0275	0.0239	0.2425	7.6000e-004	0.0831	5.0000e-004	0.0836	0.0220	4.7000e-004	0.0225		77.7658	77.7658	2.1700e-003	2.3800e-003	78.5298

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Front St SDG&E Work - 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	0.3555	2.9146	4.9090	8.3100e-003		0.1167	0.1167		0.1099	0.1099	0.0000	774.1821	774.1821	0.2261		779.8352
Total	0.3555	2.9146	4.9090	8.3100e-003		0.1167	0.1167		0.1099	0.1099	0.0000	774.1821	774.1821	0.2261		779.8352

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	1.2000e-004	6.8800e-003	1.8900e-003	3.0000e-005	9.2000e-004	6.0000e-005	9.8000e-004	2.5000e-004	6.0000e-005	3.1000e-004		3.4804	3.4804	1.8000e-004	5.5000e-004	3.6497
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	0.0274	0.0170	0.2406	7.3000e-004	0.0822	4.4000e-004	0.0826	0.0218	4.1000e-004	0.0222		74.2854	74.2854	1.9900e-003	1.8300e-003	74.8801
Total	0.0275	0.0239	0.2425	7.6000e-004	0.0831	5.0000e-004	0.0836	0.0220	4.7000e-004	0.0225		77.7658	77.7658	2.1700e-003	2.3800e-003	78.5298

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Children's Way SDG&E Work - 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	0.3209	2.3813	3.8169	6.6300e-003		0.1075	0.1075		0.1014	0.1014		611.5623	611.5623	0.1735		615.9005
Total	0.3209	2.3813	3.8169	6.6300e-003		0.1075	0.1075		0.1014	0.1014		611.5623	611.5623	0.1735		615.9005

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	2.3000e-004	0.0131	3.5900e-003	6.0000e-005	1.7500e-003	1.1000e-004	1.8600e-003	4.8000e-004	1.1000e-004	5.9000e-004		6.6128	6.6128	3.3000e-004	1.0500e-003	6.9345
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	0.0219	0.0136	0.1925	5.8000e-004	0.0657	3.5000e-004	0.0661	0.0174	3.3000e-004	0.0178		59.4283	59.4283	1.5900e-003	1.4600e-003	59.9041
Total	0.0221	0.0267	0.1961	6.4000e-004	0.0675	4.6000e-004	0.0679	0.0179	4.4000e-004	0.0184		66.0411	66.0411	1.9200e-003	2.5100e-003	66.8385

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Children's Way SDG&E Work - 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	0.3209	2.3813	3.8169	6.6300e-003		0.1075	0.1075		0.1014	0.1014	0.0000	611.5623	611.5623	0.1735		615.9005
Total	0.3209	2.3813	3.8169	6.6300e-003		0.1075	0.1075		0.1014	0.1014	0.0000	611.5623	611.5623	0.1735		615.9005

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	2.3000e-004	0.0131	3.5900e-003	6.0000e-005	1.7500e-003	1.1000e-004	1.8600e-003	4.8000e-004	1.1000e-004	5.9000e-004		6.6128	6.6128	3.3000e-004	1.0500e-003	6.9345
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	0.0219	0.0136	0.1925	5.8000e-004	0.0657	3.5000e-004	0.0661	0.0174	3.3000e-004	0.0178		59.4283	59.4283	1.5900e-003	1.4600e-003	59.9041
Total	0.0221	0.0267	0.1961	6.4000e-004	0.0675	4.6000e-004	0.0679	0.0179	4.4000e-004	0.0184		66.0411	66.0411	1.9200e-003	2.5100e-003	66.8385

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 West Road SDG&E U/G Work - 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	0.3209	2.3813	3.8169	6.6300e-003		0.1075	0.1075		0.1014	0.1014		611.5623	611.5623	0.1735		615.9005
Total	0.3209	2.3813	3.8169	6.6300e-003		0.1075	0.1075		0.1014	0.1014		611.5623	611.5623	0.1735		615.9005

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	1.0000e-004	5.5100e-003	1.5100e-003	3.0000e-005	7.4000e-004	5.0000e-005	7.8000e-004	2.0000e-004	4.0000e-005	2.5000e-004		2.7843	2.7843	1.4000e-004	4.4000e-004	2.9198
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	0.0219	0.0136	0.1925	5.8000e-004	0.0657	3.5000e-004	0.0661	0.0174	3.3000e-004	0.0178		59.4283	59.4283	1.5900e-003	1.4600e-003	59.9041
Total	0.0220	0.0191	0.1940	6.1000e-004	0.0665	4.0000e-004	0.0669	0.0176	3.7000e-004	0.0180		62.2126	62.2126	1.7300e-003	1.9000e-003	62.8238

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 West Road SDG&E U/G Work - 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	0.3209	2.3813	3.8169	6.6300e-003		0.1075	0.1075		0.1014	0.1014	0.0000	611.5623	611.5623	0.1735		615.9005
Total	0.3209	2.3813	3.8169	6.6300e-003		0.1075	0.1075		0.1014	0.1014	0.0000	611.5623	611.5623	0.1735		615.9005

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	1.0000e-004	5.5100e-003	1.5100e-003	3.0000e-005	7.4000e-004	5.0000e-005	7.8000e-004	2.0000e-004	4.0000e-005	2.5000e-004		2.7843	2.7843	1.4000e-004	4.4000e-004	2.9198
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	0.0219	0.0136	0.1925	5.8000e-004	0.0657	3.5000e-004	0.0661	0.0174	3.3000e-004	0.0178		59.4283	59.4283	1.5900e-003	1.4600e-003	59.9041
Total	0.0220	0.0191	0.1940	6.1000e-004	0.0665	4.0000e-004	0.0669	0.0176	3.7000e-004	0.0180		62.2126	62.2126	1.7300e-003	1.9000e-003	62.8238

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 West Road SDG&E U/G Work - 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	0.3125	2.2356	3.8243	6.6300e-003		0.1007	0.1007		0.0952	0.0952		611.7220	611.7220	0.1736		616.0616
Total	0.3125	2.2356	3.8243	6.6300e-003		0.1007	0.1007		0.0952	0.0952		611.7220	611.7220	0.1736		616.0616

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	9.0000e-005	5.4600e-003	1.5300e-003	2.0000e-005	7.4000e-004	5.0000e-005	7.8000e-004	2.0000e-004	4.0000e-005	2.5000e-004		2.7353	2.7353	1.4000e-004	4.4000e-004	2.8687
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	0.0206	0.0122	0.1799	5.6000e-004	0.0657	3.4000e-004	0.0661	0.0174	3.1000e-004	0.0177		57.9326	57.9326	1.4500e-003	1.3700e-003	58.3763
Total	0.0206	0.0177	0.1814	5.8000e-004	0.0665	3.9000e-004	0.0668	0.0176	3.5000e-004	0.0180		60.6679	60.6679	1.5900e-003	1.8100e-003	61.2449

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 West Road SDG&E U/G Work - 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	0.3125	2.2356	3.8243	6.6300e-003		0.1007	0.1007		0.0952	0.0952	0.0000	611.7220	611.7220	0.1736		616.0616
Total	0.3125	2.2356	3.8243	6.6300e-003		0.1007	0.1007		0.0952	0.0952	0.0000	611.7220	611.7220	0.1736		616.0616

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	9.0000e-005	5.4600e-003	1.5300e-003	2.0000e-005	7.4000e-004	5.0000e-005	7.8000e-004	2.0000e-004	4.0000e-005	2.5000e-004		2.7353	2.7353	1.4000e-004	4.4000e-004	2.8687
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	0.0206	0.0122	0.1799	5.6000e-004	0.0657	3.4000e-004	0.0661	0.0174	3.1000e-004	0.0177		57.9326	57.9326	1.4500e-003	1.3700e-003	58.3763
Total	0.0206	0.0177	0.1814	5.8000e-004	0.0665	3.9000e-004	0.0668	0.0176	3.5000e-004	0.0180		60.6679	60.6679	1.5900e-003	1.8100e-003	61.2449

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.8 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	0.0380	1.4050	0.4979	6.6300e-003	0.2235	8.6600e-003	0.2322	0.0643	8.2800e-003	0.0726		716.7371	716.7371	0.0226	0.1038	748.2265
Worker	0.1721	0.1024	1.5067	4.7000e-003	0.5504	2.8200e-003	0.5532	0.1460	2.6000e-003	0.1486		485.1857	485.1857	0.0121	0.0115	488.9013
Total	0.2101	1.5074	2.0045	0.0113	0.7739	0.0115	0.7854	0.2103	0.0109	0.2212		1,201.9228	1,201.9228	0.0347	0.1152	1,237.1278

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	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	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	0.0380	1.4050	0.4979	6.6300e-003	0.2235	8.6600e-003	0.2322	0.0643	8.2800e-003	0.0726		716.7371	716.7371	0.0226	0.1038	748.2265
Worker	0.1721	0.1024	1.5067	4.7000e-003	0.5504	2.8200e-003	0.5532	0.1460	2.6000e-003	0.1486		485.1857	485.1857	0.0121	0.0115	488.9013
Total	0.2101	1.5074	2.0045	0.0113	0.7739	0.0115	0.7854	0.2103	0.0109	0.2212		1,201.9228	1,201.9228	0.0347	0.1152	1,237.1278

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 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	0.0368	1.3912	0.4895	6.4900e-003	0.2235	8.6400e-003	0.2321	0.0643	8.2600e-003	0.0726		703.0644	703.0644	0.0232	0.1017	733.9629
Worker	0.1622	0.0927	1.4134	4.5400e-003	0.5504	2.7000e-003	0.5531	0.1460	2.4900e-003	0.1485		473.2909	473.2909	0.0111	0.0108	476.7704
Total	0.1990	1.4839	1.9029	0.0110	0.7739	0.0113	0.7852	0.2103	0.0108	0.2211		1,176.355 3	1,176.355 3	0.0342	0.1125	1,210.733 3

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	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	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	0.0368	1.3912	0.4895	6.4900e-003	0.2235	8.6400e-003	0.2321	0.0643	8.2600e-003	0.0726		703.0644	703.0644	0.0232	0.1017	733.9629
Worker	0.1622	0.0927	1.4134	4.5400e-003	0.5504	2.7000e-003	0.5531	0.1460	2.4900e-003	0.1485		473.2909	473.2909	0.0111	0.0108	476.7704
Total	0.1990	1.4839	1.9029	0.0110	0.7739	0.0113	0.7852	0.2103	0.0108	0.2211		1,176.355 3	1,176.355 3	0.0342	0.1125	1,210.733 3

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 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	0.0358	1.3762	0.4835	6.3600e-003	0.2235	8.5700e-003	0.2321	0.0643	8.1900e-003	0.0725		689.6330	689.6330	0.0238	0.0998	719.9541
Worker	0.1533	0.0846	1.3338	4.4000e-003	0.5504	2.5700e-003	0.5530	0.1460	2.3700e-003	0.1484		462.2269	462.2269	0.0101	0.0102	465.5080
Total	0.1891	1.4609	1.8173	0.0108	0.7739	0.0111	0.7850	0.2103	0.0106	0.2209		1,151.859 9	1,151.859 9	0.0339	0.1099	1,185.462 1

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	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	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	0.0358	1.3762	0.4835	6.3600e-003	0.2235	8.5700e-003	0.2321	0.0643	8.1900e-003	0.0725		689.6330	689.6330	0.0238	0.0998	719.9541
Worker	0.1533	0.0846	1.3338	4.4000e-003	0.5504	2.5700e-003	0.5530	0.1460	2.3700e-003	0.1484		462.2269	462.2269	0.0101	0.0102	465.5080
Total	0.1891	1.4609	1.8173	0.0108	0.7739	0.0111	0.7850	0.2103	0.0106	0.2209		1,151.859 9	1,151.859 9	0.0339	0.1099	1,185.462 1

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 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	0.0350	1.3615	0.4787	6.2200e-003	0.2235	8.4900e-003	0.2320	0.0643	8.1200e-003	0.0725		675.3665	675.3665	0.0243	0.0977	705.0807
Worker	0.1449	0.0777	1.2652	4.2700e-003	0.5504	2.4200e-003	0.5528	0.1460	2.2300e-003	0.1482		452.2215	452.2215	9.2800e-003	9.6600e-003	455.3332
Total	0.1799	1.4393	1.7439	0.0105	0.7739	0.0109	0.7848	0.2103	0.0104	0.2207		1,127.588 0	1,127.588 0	0.0336	0.1073	1,160.413 9

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	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	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	0.0350	1.3615	0.4787	6.2200e-003	0.2235	8.4900e-003	0.2320	0.0643	8.1200e-003	0.0725		675.3665	675.3665	0.0243	0.0977	705.0807
Worker	0.1449	0.0777	1.2652	4.2700e-003	0.5504	2.4200e-003	0.5528	0.1460	2.2300e-003	0.1482		452.2215	452.2215	9.2800e-003	9.6600e-003	455.3332
Total	0.1799	1.4393	1.7439	0.0105	0.7739	0.0109	0.7848	0.2103	0.0104	0.2207		1,127.588 0	1,127.588 0	0.0336	0.1073	1,160.413 9

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.9 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

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	3.9700e-003	0.2290	0.0681	1.0200e-003	0.0318	2.0000e-003	0.0338	8.7200e-003	1.9200e-003	0.0106		113.3043	113.3043	6.6400e-003	0.0181	118.8520
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	0.0458	0.0253	0.3981	1.3100e-003	0.1643	7.7000e-004	0.1651	0.0436	7.1000e-004	0.0443		137.9782	137.9782	3.0200e-003	3.0300e-003	138.9576
Total	0.0497	0.2543	0.4662	2.3300e-003	0.1961	2.7700e-003	0.1989	0.0523	2.6300e-003	0.0549		251.2825	251.2825	9.6600e-003	0.0211	257.8096

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.9 Paving - 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	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259	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	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741

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	3.9700e-003	0.2290	0.0681	1.0200e-003	0.0318	2.0000e-003	0.0338	8.7200e-003	1.9200e-003	0.0106		113.3043	113.3043	6.6400e-003	0.0181	118.8520
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	0.0458	0.0253	0.3981	1.3100e-003	0.1643	7.7000e-004	0.1651	0.0436	7.1000e-004	0.0443		137.9782	137.9782	3.0200e-003	3.0300e-003	138.9576
Total	0.0497	0.2543	0.4662	2.3300e-003	0.1961	2.7700e-003	0.1989	0.0523	2.6300e-003	0.0549		251.2825	251.2825	9.6600e-003	0.0211	257.8096

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.10 Paving 2 - 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	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

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	1.9600e-003	0.1128	0.0344	5.0000e-004	0.0159	9.9000e-004	0.0169	4.3600e-003	9.5000e-004	5.3100e-003		55.3627	55.3627	3.4000e-003	8.8300e-003	58.0793
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	0.0433	0.0232	0.3777	1.2800e-003	0.1643	7.2000e-004	0.1650	0.0436	6.7000e-004	0.0442		134.9915	134.9915	2.7700e-003	2.8800e-003	135.9204
Total	0.0452	0.1360	0.4121	1.7800e-003	0.1802	1.7100e-003	0.1819	0.0479	1.6200e-003	0.0496		190.3542	190.3542	6.1700e-003	0.0117	193.9996

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.10 Paving 2 - 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	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259	0.0000	1,805.392 6	1,805.392 6	0.5673		1,819.574 1
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	0.0000	1,805.392 6	1,805.392 6	0.5673		1,819.574 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	1.9600e-003	0.1128	0.0344	5.0000e-004	0.0159	9.9000e-004	0.0169	4.3600e-003	9.5000e-004	5.3100e-003		55.3627	55.3627	3.4000e-003	8.8300e-003	58.0793
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	0.0433	0.0232	0.3777	1.2800e-003	0.1643	7.2000e-004	0.1650	0.0436	6.7000e-004	0.0442		134.9915	134.9915	2.7700e-003	2.8800e-003	135.9204
Total	0.0452	0.1360	0.4121	1.7800e-003	0.1802	1.7100e-003	0.1819	0.0479	1.6200e-003	0.0496		190.3542	190.3542	6.1700e-003	0.0117	193.9996

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.11 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	5.4905					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	5.6614	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	0.0315	0.0180	0.2742	8.8000e-004	0.1068	5.2000e-004	0.1073	0.0283	4.8000e-004	0.0288		91.8326	91.8326	2.1400e-003	2.0900e-003	92.5077
Total	0.0315	0.0180	0.2742	8.8000e-004	0.1068	5.2000e-004	0.1073	0.0283	4.8000e-004	0.0288		91.8326	91.8326	2.1400e-003	2.0900e-003	92.5077

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.11 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	5.4905					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	0.0000	281.4481	281.4481	0.0154		281.8319
Total	5.6614	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	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	0.0315	0.0180	0.2742	8.8000e-004	0.1068	5.2000e-004	0.1073	0.0283	4.8000e-004	0.0288		91.8326	91.8326	2.1400e-003	2.0900e-003	92.5077
Total	0.0315	0.0180	0.2742	8.8000e-004	0.1068	5.2000e-004	0.1073	0.0283	4.8000e-004	0.0288		91.8326	91.8326	2.1400e-003	2.0900e-003	92.5077

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.11 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	5.4905					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	5.6614	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	0.0297	0.0164	0.2588	8.5000e-004	0.1068	5.0000e-004	0.1073	0.0283	4.6000e-004	0.0288		89.6858	89.6858	1.9600e-003	1.9700e-003	90.3224
Total	0.0297	0.0164	0.2588	8.5000e-004	0.1068	5.0000e-004	0.1073	0.0283	4.6000e-004	0.0288		89.6858	89.6858	1.9600e-003	1.9700e-003	90.3224

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.11 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	5.4905					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	0.0000	281.4481	281.4481	0.0154		281.8319
Total	5.6614	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	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	0.0297	0.0164	0.2588	8.5000e-004	0.1068	5.0000e-004	0.1073	0.0283	4.6000e-004	0.0288		89.6858	89.6858	1.9600e-003	1.9700e-003	90.3224
Total	0.0297	0.0164	0.2588	8.5000e-004	0.1068	5.0000e-004	0.1073	0.0283	4.6000e-004	0.0288		89.6858	89.6858	1.9600e-003	1.9700e-003	90.3224

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.12 Architectural Coating 2 - 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	2.0498					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	2.2207	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	0.0297	0.0164	0.2588	8.5000e-004	0.1068	5.0000e-004	0.1073	0.0283	4.6000e-004	0.0288		89.6858	89.6858	1.9600e-003	1.9700e-003	90.3224
Total	0.0297	0.0164	0.2588	8.5000e-004	0.1068	5.0000e-004	0.1073	0.0283	4.6000e-004	0.0288		89.6858	89.6858	1.9600e-003	1.9700e-003	90.3224

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.12 Architectural Coating 2 - 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	2.0498					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	0.0000	281.4481	281.4481	0.0154		281.8319
Total	2.2207	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	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	0.0297	0.0164	0.2588	8.5000e-004	0.1068	5.0000e-004	0.1073	0.0283	4.6000e-004	0.0288		89.6858	89.6858	1.9600e-003	1.9700e-003	90.3224
Total	0.0297	0.0164	0.2588	8.5000e-004	0.1068	5.0000e-004	0.1073	0.0283	4.6000e-004	0.0288		89.6858	89.6858	1.9600e-003	1.9700e-003	90.3224

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.12 Architectural Coating 2 - 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	2.0498					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	2.2207	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	0.0281	0.0151	0.2455	8.3000e-004	0.1068	4.7000e-004	0.1073	0.0283	4.3000e-004	0.0288		87.7445	87.7445	1.8000e-003	1.8700e-003	88.3482
Total	0.0281	0.0151	0.2455	8.3000e-004	0.1068	4.7000e-004	0.1073	0.0283	4.3000e-004	0.0288		87.7445	87.7445	1.8000e-003	1.8700e-003	88.3482

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.12 Architectural Coating 2 - 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	2.0498					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	0.0000	281.4481	281.4481	0.0154		281.8319
Total	2.2207	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	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	0.0281	0.0151	0.2455	8.3000e-004	0.1068	4.7000e-004	0.1073	0.0283	4.3000e-004	0.0288		87.7445	87.7445	1.8000e-003	1.8700e-003	88.3482
Total	0.0281	0.0151	0.2455	8.3000e-004	0.1068	4.7000e-004	0.1073	0.0283	4.3000e-004	0.0288		87.7445	87.7445	1.8000e-003	1.8700e-003	88.3482

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.6764	0.6269	5.8244	0.0128	1.4790	9.4000e-003	1.4884	0.3940	8.7700e-003	0.4027		1,357.7750	1,357.7750	0.0893	0.0560	1,376.6986
Unmitigated	0.6764	0.6269	5.8244	0.0128	1.4790	9.4000e-003	1.4884	0.3940	8.7700e-003	0.4027		1,357.7750	1,357.7750	0.0893	0.0560	1,376.6986

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Hospital	279.00	279.00	279.00	702,644	702,644
Total	279.00	279.00	279.00	702,644	702,644

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Hospital	9.50	7.30	7.30	64.90	16.10	19.00	73	25	2

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.568480	0.062094	0.174123	0.115064	0.023357	0.006399	0.009361	0.006325	0.000693	0.000596	0.028205	0.000919	0.004383
General Office Building	0.568480	0.062094	0.174123	0.115064	0.023357	0.006399	0.009361	0.006325	0.000693	0.000596	0.028205	0.000919	0.004383
Hospital	0.568480	0.062094	0.174123	0.115064	0.023357	0.006399	0.009361	0.006325	0.000693	0.000596	0.028205	0.000919	0.004383

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	lb/day										lb/day					
NaturalGas Mitigated	0.2400	2.1821	1.8330	0.0131		0.1658	0.1658		0.1658	0.1658		2,618.5390	2,618.5390	0.0502	0.0480	2,634.0997
NaturalGas Unmitigated	0.2400	2.1821	1.8330	0.0131		0.1658	0.1658		0.1658	0.1658		2,618.5390	2,618.5390	0.0502	0.0480	2,634.0997

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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					
Enclosed Parking with Elevator	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
General Office Building	1975.56	0.0213	0.1937	0.1627	1.1600e-003		0.0147	0.0147		0.0147	0.0147		232.4190	232.4190	4.4500e-003	4.2600e-003	233.8002
Hospital	20282	0.2187	1.9884	1.6703	0.0119		0.1511	0.1511		0.1511	0.1511		2,386.1200	2,386.1200	0.0457	0.0438	2,400.2995
Total		0.2400	2.1821	1.8330	0.0131		0.1658	0.1658		0.1658	0.1658		2,618.5390	2,618.5390	0.0502	0.0480	2,634.0997

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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					
Enclosed Parking with Elevator	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
General Office Building	1.97556	0.0213	0.1937	0.1627	1.1600e-003		0.0147	0.0147		0.0147	0.0147		232.4190	232.4190	4.4500e-003	4.2600e-003	233.8002
Hospital	20.282	0.2187	1.9884	1.6703	0.0119		0.1511	0.1511		0.1511	0.1511		2,386.1200	2,386.1200	0.0457	0.0438	2,400.2995
Total		0.2400	2.1821	1.8330	0.0131		0.1658	0.1658		0.1658	0.1658		2,618.5390	2,618.5390	0.0502	0.0480	2,634.0997

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	3.7523	2.3000e-004	0.0254	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0546	0.0546	1.4000e-004		0.0582
Unmitigated	3.7523	2.3000e-004	0.0254	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0546	0.0546	1.4000e-004		0.0582

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	0.2106					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.5394					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3400e-003	2.3000e-004	0.0254	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0546	0.0546	1.4000e-004		0.0582
Total	3.7523	2.3000e-004	0.0254	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0546	0.0546	1.4000e-004		0.0582

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.2106					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.5394					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3400e-003	2.3000e-004	0.0254	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0546	0.0546	1.4000e-004		0.0582
Total	3.7523	2.3000e-004	0.0254	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0546	0.0546	1.4000e-004		0.0582

7.0 Water Detail

7.1 Mitigation Measures Water

Rady SD_ICU/ESP - San Diego County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste**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

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Rady SD_ICU/ESP**
San Diego County, Winter**1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	36.00	1000sqft	0.83	36,000.00	0
Hospital	180.00	Bed	2.96	128,836.36	0
Enclosed Parking with Elevator	33.50	1000sqft	0.77	33,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2027
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	539.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Square footage of the hospital.

Construction Phase - Construction schedule by construction contractors.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Construction equipment provided by project contractor.

Off-road Equipment -

Off-road Equipment - Construction equipment provided by project contractor.

Off-road Equipment -

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Construction equipment provided by project contractor.

Trips and VMT - Total hauling trips provided by contractor

Demolition -

Grading - Acres graded provided by construction contractors.

Architectural Coating - Architectural Coating - SDAPCD Regulation IV Rule 67.0.1

Vehicle Trips - The Project will generate approximately 280 ADT.

Area Coating - Architectural Coating - SDAPCD Regulation IV Rule 67.0.1

Construction Off-road Equipment Mitigation -

Area Mitigation - Architectural Coating - SDAPCD Regulation IV Rule 67.0.1

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	50
tblAreaCoating	Area_EF_Nonresidential_Interior	250	50
tblAreaCoating	Area_EF_Parking	250	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	18.00	375.00
tblConstructionPhase	NumDays	18.00	140.00
tblConstructionPhase	NumDays	230.00	856.00
tblConstructionPhase	NumDays	20.00	131.00

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	NumDays	8.00	98.00
tblConstructionPhase	NumDays	18.00	110.00
tblConstructionPhase	NumDays	18.00	55.00
tblConstructionPhase	NumDays	5.00	151.00
tblConstructionPhase	PhaseEndDate	12/12/2024	11/15/2027
tblConstructionPhase	PhaseEndDate	11/18/2024	4/20/2026
tblConstructionPhase	PhaseEndDate	9/3/2024	12/20/2027
tblConstructionPhase	PhaseEndDate	9/28/2023	12/2/2024
tblConstructionPhase	PhaseEndDate	10/17/2023	2/28/2025
tblConstructionPhase	PhaseEndDate	10/23/2024	11/15/2027
tblConstructionPhase	PhaseEndDate	9/27/2024	5/18/2026
tblConstructionPhase	PhaseEndDate	10/5/2023	3/29/2024
tblConstructionPhase	PhaseEndDate	10/17/2023	6/19/2023
tblConstructionPhase	PhaseEndDate	10/17/2023	5/26/2023
tblConstructionPhase	PhaseEndDate	10/17/2023	2/7/2024
tblConstructionPhase	PhaseStartDate	11/19/2024	6/9/2026
tblConstructionPhase	PhaseStartDate	10/24/2024	10/7/2025
tblConstructionPhase	PhaseStartDate	10/18/2023	9/9/2024
tblConstructionPhase	PhaseStartDate	9/1/2023	6/3/2024
tblConstructionPhase	PhaseStartDate	10/6/2023	10/16/2024
tblConstructionPhase	PhaseStartDate	9/28/2024	6/15/2027
tblConstructionPhase	PhaseStartDate	9/4/2024	3/3/2026
tblConstructionPhase	PhaseStartDate	9/29/2023	9/1/2023
tblConstructionPhase	PhaseStartDate	10/18/2023	3/6/2023
tblConstructionPhase	PhaseStartDate	10/18/2023	4/3/2023
tblConstructionPhase	PhaseStartDate	10/18/2023	9/28/2023
tblGrading	AcresOfGrading	98.00	11.00
tblGrading	AcresOfGrading	226.50	10.00
tblTripsAndVMT	HaulingTripNumber	0.00	100.00

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblTripsAndVMT	HaulingTripNumber	0.00	4.00
tblTripsAndVMT	HaulingTripNumber	0.00	4.00
tblTripsAndVMT	HaulingTripNumber	0.00	4.00
tblTripsAndVMT	HaulingTripNumber	0.00	100.00
tblTripsAndVMT	HaulingTripNumber	0.00	100.00
tblVehicleTrips	ST_TR	2.21	0.00
tblVehicleTrips	ST_TR	13.76	1.55
tblVehicleTrips	SU_TR	0.70	0.00
tblVehicleTrips	SU_TR	12.88	1.55
tblVehicleTrips	WD_TR	9.74	0.00
tblVehicleTrips	WD_TR	22.32	1.55

2.0 Emissions Summary

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	3.0575	29.9609	22.6573	0.0465	18.3508	1.3747	19.7255	9.9951	1.2673	11.2624	0.0000	4,484.1827	4,484.1827	1.3717	5.5800e-003	4,520.1405
2024	5.6924	53.4798	53.3591	0.1107	18.3508	2.3148	19.6820	9.9951	2.1516	11.2223	0.0000	10,796.9694	10,796.9694	2.6359	0.1600	10,910.5437
2025	7.2753	29.4979	32.8173	0.0690	7.0561	1.1642	8.2203	3.5710	1.0824	4.6534	0.0000	6,746.8496	6,746.8496	1.5715	0.1266	6,823.8503
2026	8.1366	22.9622	32.5395	0.0625	1.0768	0.9459	2.0227	0.2910	0.8874	1.1783	0.0000	6,099.5992	6,099.5992	1.2300	0.1345	6,170.4178
2027	4.6800	22.8146	32.4046	0.0616	1.0609	0.9446	2.0055	0.2866	0.8861	1.1727	0.0000	6,013.2455	6,013.2455	1.2260	0.1223	6,080.3489
Maximum	8.1366	53.4798	53.3591	0.1107	18.3508	2.3148	19.7255	9.9951	2.1516	11.2624	0.0000	10,796.9694	10,796.9694	2.6359	0.1600	10,910.5437

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

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					
2023	3.0575	29.9609	22.6573	0.0465	7.2876	1.3747	8.6623	3.9328	1.2673	5.2000	0.0000	4,484.1827	4,484.1827	1.3717	5.5800e-003	4,520.1405
2024	5.6924	53.4798	53.3591	0.1107	7.2876	2.3148	8.6187	3.9328	2.1516	5.1600	0.0000	10,796.9694	10,796.9694	2.6359	0.1600	10,910.5437
2025	7.2753	29.4979	32.8173	0.0690	3.3100	1.1642	4.4743	1.5439	1.0824	2.6263	0.0000	6,746.8496	6,746.8496	1.5715	0.1266	6,823.8503
2026	8.1366	22.9622	32.5395	0.0625	1.0768	0.9459	2.0227	0.2910	0.8874	1.1783	0.0000	6,099.5992	6,099.5992	1.2300	0.1345	6,170.4178
2027	4.6800	22.8146	32.4046	0.0616	1.0609	0.9446	2.0055	0.2866	0.8861	1.1727	0.0000	6,013.2455	6,013.2455	1.2260	0.1223	6,080.3489
Maximum	8.1366	53.4798	53.3591	0.1107	7.2876	2.3148	8.6623	3.9328	2.1516	5.2000	0.0000	10,796.9694	10,796.9694	2.6359	0.1600	10,910.5437

	ROG	NOx	CO	SO2	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	56.37	0.00	50.09	58.63	0.00	47.99	0.00	0.00	0.00	0.00	0.00	0.00

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	3.7523	2.3000e-004	0.0254	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0546	0.0546	1.4000e-004		0.0582
Energy	0.2400	2.1821	1.8330	0.0131		0.1658	0.1658		0.1658	0.1658		2,618.5390	2,618.5390	0.0502	0.0480	2,634.0997
Mobile	0.6563	0.6792	6.0194	0.0123	1.4790	9.4100e-003	1.4884	0.3940	8.7700e-003	0.4027		1,299.1394	1,299.1394	0.0944	0.0590	1,319.0671
Total	4.6487	2.8616	7.8778	0.0254	1.4790	0.1753	1.6544	0.3940	0.1747	0.5687		3,917.7330	3,917.7330	0.1447	0.1070	3,953.2249

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	3.7523	2.3000e-004	0.0254	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0546	0.0546	1.4000e-004		0.0582
Energy	0.2400	2.1821	1.8330	0.0131		0.1658	0.1658		0.1658	0.1658		2,618.5390	2,618.5390	0.0502	0.0480	2,634.0997
Mobile	0.6563	0.6792	6.0194	0.0123	1.4790	9.4100e-003	1.4884	0.3940	8.7700e-003	0.4027		1,299.1394	1,299.1394	0.0944	0.0590	1,319.0671
Total	4.6487	2.8616	7.8778	0.0254	1.4790	0.1753	1.6544	0.3940	0.1747	0.5687		3,917.7330	3,917.7330	0.1447	0.1070	3,953.2249

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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

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	6/3/2024	12/2/2024	5	131	
2	Site Preparation	Site Preparation	9/1/2023	3/29/2024	5	151	
3	Grading	Grading	10/16/2024	2/28/2025	5	98	
4	Front St SDG&E Work	Trenching	3/6/2023	6/19/2023	5	76	
5	Children's Way SDG&E Work	Trenching	4/3/2023	5/26/2023	5	40	
6	West Road SDG&E U/G Work	Trenching	9/28/2023	2/7/2024	5	95	
7	Building Construction	Building Construction	9/9/2024	12/20/2027	5	856	
8	Paving	Paving	3/3/2026	5/18/2026	5	55	
9	Paving 2	Paving	6/15/2027	11/15/2027	5	110	
10	Architectural Coating	Architectural Coating	10/7/2025	4/20/2026	5	140	
11	Architectural Coating 2	Architectural Coating	6/9/2026	11/15/2027	5	375	

Acres of Grading (Site Preparation Phase): 10**Acres of Grading (Grading Phase): 11****Acres of Paving: 0.77****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 247,255; Non-Residential Outdoor: 82,418; Striped Parking Area: 2,010 (Architectural Coating – sqft)****OffRoad Equipment**

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Front St SDG&E Work	Aerial Lifts	1	8.00	63	0.31
Front St SDG&E Work	Cement and Mortar Mixers	1	8.00	9	0.56
Front St SDG&E Work	Dumpers/Tenders	1	8.00	16	0.38
Front St SDG&E Work	Excavators	1	8.00	158	0.38
Children's Way SDG&E Work	Cement and Mortar Mixers	1	8.00	9	0.56
Children's Way SDG&E Work	Dumpers/Tenders	1	8.00	16	0.38
Children's Way SDG&E Work	Excavators	1	8.00	158	0.38
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
West Road SDG&E U/G Work	Cement and Mortar Mixers	1	8.00	9	0.56
West Road SDG&E U/G Work	Dumpers/Tenders	1	8.00	16	0.38
West Road SDG&E U/G Work	Excavators	1	8.00	158	0.38
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	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	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

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating 2	Air Compressors	1	6.00	78	0.48
Paving 2	Cement and Mortar Mixers	2	6.00	9	0.56
Paving 2	Pavers	1	8.00	130	0.42
Paving 2	Paving Equipment	2	6.00	132	0.36
Paving 2	Rollers	2	6.00	80	0.38
Paving 2	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
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Front St SDG&E Work	4	10.00	0.00	4.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Children's Way SDG&E Work	3	8.00	0.00	4.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	348.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
West Road SDG&E U/G Work	3	8.00	0.00	4.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	100.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	67.00	33.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	100.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating 2	1	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving 2	8	20.00	0.00	100.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Demolition - 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					
Fugitive Dust					0.5816	0.0000	0.5816	0.0881	0.0000	0.0881			0.0000			0.0000
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922		3,747.4228	3,747.4228	1.0485		3,773.6345
Total	2.2437	20.8781	19.7073	0.0388	0.5816	0.9602	1.5418	0.0881	0.8922	0.9803		3,747.4228	3,747.4228	1.0485		3,773.6345

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	5.5800e-003	0.3584	0.0980	1.5600e-003	0.0465	2.9700e-003	0.0494	0.0127	2.8400e-003	0.0156		172.7458	172.7458	9.1000e-003	0.0275	181.1662
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	0.0419	0.0258	0.3212	1.0000e-003	0.1232	6.3000e-004	0.1239	0.0327	5.8000e-004	0.0333		102.6661	102.6661	2.9000e-003	2.7700e-003	103.5647
Total	0.0475	0.3842	0.4191	2.5600e-003	0.1697	3.6000e-003	0.1733	0.0454	3.4200e-003	0.0489		275.4120	275.4120	0.0120	0.0303	284.7308

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Demolition - 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					
Fugitive Dust					0.2268	0.0000	0.2268	0.0344	0.0000	0.0344			0.0000			0.0000
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345
Total	2.2437	20.8781	19.7073	0.0388	0.2268	0.9602	1.1870	0.0344	0.8922	0.9265	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345

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	5.5800e-003	0.3584	0.0980	1.5600e-003	0.0465	2.9700e-003	0.0494	0.0127	2.8400e-003	0.0156		172.7458	172.7458	9.1000e-003	0.0275	181.1662
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	0.0419	0.0258	0.3212	1.0000e-003	0.1232	6.3000e-004	0.1239	0.0327	5.8000e-004	0.0333		102.6661	102.6661	2.9000e-003	2.7700e-003	103.5647
Total	0.0475	0.3842	0.4191	2.5600e-003	0.1697	3.6000e-003	0.1733	0.0454	3.4200e-003	0.0489		275.4120	275.4120	0.0120	0.0303	284.7308

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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					18.1365	0.0000	18.1365	9.9383	0.0000	9.9383			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	18.1365	1.2660	19.4025	9.9383	1.1647	11.1030		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	0.0534	0.0344	0.4116	1.2300e-003	0.1479	8.0000e-004	0.1487	0.0392	7.3000e-004	0.0400		126.3637	126.3637	3.8100e-003	3.5600e-003	127.5200
Total	0.0534	0.0344	0.4116	1.2300e-003	0.1479	8.0000e-004	0.1487	0.0392	7.3000e-004	0.0400		126.3637	126.3637	3.8100e-003	3.5600e-003	127.5200

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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					7.0732	0.0000	7.0732	3.8759	0.0000	3.8759			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	7.0732	1.2660	8.3393	3.8759	1.1647	5.0407	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	0.0534	0.0344	0.4116	1.2300e-003	0.1479	8.0000e-004	0.1487	0.0392	7.3000e-004	0.0400		126.3637	126.3637	3.8100e-003	3.5600e-003	127.5200
Total	0.0534	0.0344	0.4116	1.2300e-003	0.1479	8.0000e-004	0.1487	0.0392	7.3000e-004	0.0400		126.3637	126.3637	3.8100e-003	3.5600e-003	127.5200

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Site Preparation - 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					
Fugitive Dust					18.1365	0.0000	18.1365	9.9383	0.0000	9.9383			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310		3,688.010 0	3,688.010 0	1.1928		3,717.829 4
Total	2.6609	27.1760	18.3356	0.0381	18.1365	1.2294	19.3658	9.9383	1.1310	11.0693		3,688.010 0	3,688.010 0	1.1928		3,717.829 4

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	0.0503	0.0309	0.3854	1.1900e-003	0.1479	7.6000e-004	0.1486	0.0392	7.0000e-004	0.0399		123.1993	123.1993	3.4800e-003	3.3300e-003	124.2776
Total	0.0503	0.0309	0.3854	1.1900e-003	0.1479	7.6000e-004	0.1486	0.0392	7.0000e-004	0.0399		123.1993	123.1993	3.4800e-003	3.3300e-003	124.2776

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Site Preparation - 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					
Fugitive Dust					7.0732	0.0000	7.0732	3.8759	0.0000	3.8759			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310	0.0000	3,688.010 0	3,688.010 0	1.1928		3,717.829 4
Total	2.6609	27.1760	18.3356	0.0381	7.0732	1.2294	8.3026	3.8759	1.1310	5.0069	0.0000	3,688.010 0	3,688.010 0	1.1928		3,717.829 4

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	0.0503	0.0309	0.3854	1.1900e-003	0.1479	7.6000e-004	0.1486	0.0392	7.0000e-004	0.0399		123.1993	123.1993	3.4800e-003	3.3300e-003	124.2776
Total	0.0503	0.0309	0.3854	1.1900e-003	0.1479	7.6000e-004	0.1486	0.0392	7.0000e-004	0.0399		123.1993	123.1993	3.4800e-003	3.3300e-003	124.2776

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 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					
Fugitive Dust					6.1411	0.0000	6.1411	3.3231	0.0000	3.3231			0.0000			0.0000
Off-Road	1.6617	17.0310	14.7594	0.0297		0.7244	0.7244		0.6665	0.6665		2,873.054 1	2,873.054 1	0.9292		2,896.284 2
Total	1.6617	17.0310	14.7594	0.0297	6.1411	0.7244	6.8655	3.3231	0.6665	3.9896		2,873.054 1	2,873.054 1	0.9292		2,896.284 2

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	2.1500e-003	0.1377	0.0376	6.0000e-004	0.0179	1.1400e-003	0.0190	4.8900e-003	1.0900e-003	5.9800e-003		66.3550	66.3550	3.5000e-003	0.0106	69.5894
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	0.0419	0.0258	0.3212	1.0000e-003	0.1232	6.3000e-004	0.1239	0.0327	5.8000e-004	0.0333		102.6661	102.6661	2.9000e-003	2.7700e-003	103.5647
Total	0.0440	0.1634	0.3588	1.6000e-003	0.1411	1.7700e-003	0.1428	0.0376	1.6700e-003	0.0393		169.0211	169.0211	6.4000e-003	0.0133	173.1541

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 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					
Fugitive Dust					2.3950	0.0000	2.3950	1.2960	0.0000	1.2960			0.0000			0.0000
Off-Road	1.6617	17.0310	14.7594	0.0297		0.7244	0.7244		0.6665	0.6665	0.0000	2,873.054 1	2,873.054 1	0.9292		2,896.284 2
Total	1.6617	17.0310	14.7594	0.0297	2.3950	0.7244	3.1195	1.2960	0.6665	1.9625	0.0000	2,873.054 1	2,873.054 1	0.9292		2,896.284 2

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	2.1500e-003	0.1377	0.0376	6.0000e-004	0.0179	1.1400e-003	0.0190	4.8900e-003	1.0900e-003	5.9800e-003		66.3550	66.3550	3.5000e-003	0.0106	69.5894
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	0.0419	0.0258	0.3212	1.0000e-003	0.1232	6.3000e-004	0.1239	0.0327	5.8000e-004	0.0333		102.6661	102.6661	2.9000e-003	2.7700e-003	103.5647
Total	0.0440	0.1634	0.3588	1.6000e-003	0.1411	1.7700e-003	0.1428	0.0376	1.6700e-003	0.0393		169.0211	169.0211	6.4000e-003	0.0133	173.1541

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Grading - 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					
Fugitive Dust					6.1411	0.0000	6.1411	3.3231	0.0000	3.3231			0.0000			0.0000
Off-Road	1.5227	15.3148	14.5402	0.0297		0.6236	0.6236		0.5737	0.5737		2,873.705 2	2,873.705 2	0.9294		2,896.940 5
Total	1.5227	15.3148	14.5402	0.0297	6.1411	0.6236	6.7647	3.3231	0.5737	3.8968		2,873.705 2	2,873.705 2	0.9294		2,896.940 5

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	2.1200e-003	0.1358	0.0382	5.9000e-004	0.0179	1.1400e-003	0.0190	4.8900e-003	1.0900e-003	5.9800e-003		65.0102	65.0102	3.6100e-003	0.0104	68.1861
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	0.0396	0.0233	0.3017	9.6000e-004	0.1232	6.0000e-004	0.1238	0.0327	5.6000e-004	0.0332		100.1603	100.1603	2.6400e-003	2.6000e-003	101.0017
Total	0.0417	0.1592	0.3399	1.5500e-003	0.1411	1.7400e-003	0.1428	0.0376	1.6500e-003	0.0392		165.1705	165.1705	6.2500e-003	0.0130	169.1878

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 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					
Fugitive Dust					2.3950	0.0000	2.3950	1.2960	0.0000	1.2960			0.0000			0.0000
Off-Road	1.5227	15.3148	14.5402	0.0297		0.6236	0.6236		0.5737	0.5737	0.0000	2,873.705 2	2,873.705 2	0.9294		2,896.940 5
Total	1.5227	15.3148	14.5402	0.0297	2.3950	0.6236	3.0186	1.2960	0.5737	1.8697	0.0000	2,873.705 2	2,873.705 2	0.9294		2,896.940 5

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	2.1200e-003	0.1358	0.0382	5.9000e-004	0.0179	1.1400e-003	0.0190	4.8900e-003	1.0900e-003	5.9800e-003		65.0102	65.0102	3.6100e-003	0.0104	68.1861
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	0.0396	0.0233	0.3017	9.6000e-004	0.1232	6.0000e-004	0.1238	0.0327	5.6000e-004	0.0332		100.1603	100.1603	2.6400e-003	2.6000e-003	101.0017
Total	0.0417	0.1592	0.3399	1.5500e-003	0.1411	1.7400e-003	0.1428	0.0376	1.6500e-003	0.0392		165.1705	165.1705	6.2500e-003	0.0130	169.1878

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Front St SDG&E Work - 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	0.3555	2.9146	4.9090	8.3100e-003		0.1167	0.1167		0.1099	0.1099		774.1821	774.1821	0.2261		779.8352
Total	0.3555	2.9146	4.9090	8.3100e-003		0.1167	0.1167		0.1099	0.1099		774.1821	774.1821	0.2261		779.8352

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	1.1000e-004	7.1600e-003	1.9100e-003	3.0000e-005	9.2000e-004	6.0000e-005	9.8000e-004	2.5000e-004	6.0000e-005	3.1000e-004		3.4838	3.4838	1.7000e-004	5.5000e-004	3.6533
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	0.0297	0.0191	0.2287	6.9000e-004	0.0822	4.4000e-004	0.0826	0.0218	4.1000e-004	0.0222		70.2020	70.2020	2.1200e-003	1.9800e-003	70.8444
Total	0.0298	0.0263	0.2306	7.2000e-004	0.0831	5.0000e-004	0.0836	0.0220	4.7000e-004	0.0225		73.6858	73.6858	2.2900e-003	2.5300e-003	74.4977

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Front St SDG&E Work - 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	0.3555	2.9146	4.9090	8.3100e-003		0.1167	0.1167		0.1099	0.1099	0.0000	774.1821	774.1821	0.2261		779.8352
Total	0.3555	2.9146	4.9090	8.3100e-003		0.1167	0.1167		0.1099	0.1099	0.0000	774.1821	774.1821	0.2261		779.8352

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	1.1000e-004	7.1600e-003	1.9100e-003	3.0000e-005	9.2000e-004	6.0000e-005	9.8000e-004	2.5000e-004	6.0000e-005	3.1000e-004		3.4838	3.4838	1.7000e-004	5.5000e-004	3.6533
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	0.0297	0.0191	0.2287	6.9000e-004	0.0822	4.4000e-004	0.0826	0.0218	4.1000e-004	0.0222		70.2020	70.2020	2.1200e-003	1.9800e-003	70.8444
Total	0.0298	0.0263	0.2306	7.2000e-004	0.0831	5.0000e-004	0.0836	0.0220	4.7000e-004	0.0225		73.6858	73.6858	2.2900e-003	2.5300e-003	74.4977

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Children's Way SDG&E Work - 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	0.3209	2.3813	3.8169	6.6300e-003		0.1075	0.1075		0.1014	0.1014		611.5623	611.5623	0.1735		615.9005
Total	0.3209	2.3813	3.8169	6.6300e-003		0.1075	0.1075		0.1014	0.1014		611.5623	611.5623	0.1735		615.9005

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	2.1000e-004	0.0136	3.6400e-003	6.0000e-005	1.7500e-003	1.1000e-004	1.8600e-003	4.8000e-004	1.1000e-004	5.9000e-004		6.6192	6.6192	3.3000e-004	1.0500e-003	6.9412
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	0.0237	0.0153	0.1829	5.5000e-004	0.0657	3.5000e-004	0.0661	0.0174	3.3000e-004	0.0178		56.1616	56.1616	1.6900e-003	1.5800e-003	56.6755
Total	0.0239	0.0289	0.1866	6.1000e-004	0.0675	4.6000e-004	0.0679	0.0179	4.4000e-004	0.0184		62.7808	62.7808	2.0200e-003	2.6300e-003	63.6168

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Children's Way SDG&E Work - 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	0.3209	2.3813	3.8169	6.6300e-003		0.1075	0.1075		0.1014	0.1014	0.0000	611.5623	611.5623	0.1735		615.9005
Total	0.3209	2.3813	3.8169	6.6300e-003		0.1075	0.1075		0.1014	0.1014	0.0000	611.5623	611.5623	0.1735		615.9005

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	2.1000e-004	0.0136	3.6400e-003	6.0000e-005	1.7500e-003	1.1000e-004	1.8600e-003	4.8000e-004	1.1000e-004	5.9000e-004		6.6192	6.6192	3.3000e-004	1.0500e-003	6.9412
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	0.0237	0.0153	0.1829	5.5000e-004	0.0657	3.5000e-004	0.0661	0.0174	3.3000e-004	0.0178		56.1616	56.1616	1.6900e-003	1.5800e-003	56.6755
Total	0.0239	0.0289	0.1866	6.1000e-004	0.0675	4.6000e-004	0.0679	0.0179	4.4000e-004	0.0184		62.7808	62.7808	2.0200e-003	2.6300e-003	63.6168

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 West Road SDG&E U/G Work - 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	0.3209	2.3813	3.8169	6.6300e-003		0.1075	0.1075		0.1014	0.1014		611.5623	611.5623	0.1735		615.9005
Total	0.3209	2.3813	3.8169	6.6300e-003		0.1075	0.1075		0.1014	0.1014		611.5623	611.5623	0.1735		615.9005

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	9.0000e-005	5.7300e-003	1.5300e-003	3.0000e-005	7.4000e-004	5.0000e-005	7.8000e-004	2.0000e-004	4.0000e-005	2.5000e-004		2.7870	2.7870	1.4000e-004	4.4000e-004	2.9226
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	0.0237	0.0153	0.1829	5.5000e-004	0.0657	3.5000e-004	0.0661	0.0174	3.3000e-004	0.0178		56.1616	56.1616	1.6900e-003	1.5800e-003	56.6755
Total	0.0238	0.0210	0.1845	5.8000e-004	0.0665	4.0000e-004	0.0669	0.0176	3.7000e-004	0.0180		58.9487	58.9487	1.8300e-003	2.0200e-003	59.5982

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 West Road SDG&E U/G Work - 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	0.3209	2.3813	3.8169	6.6300e-003		0.1075	0.1075		0.1014	0.1014	0.0000	611.5623	611.5623	0.1735		615.9005
Total	0.3209	2.3813	3.8169	6.6300e-003		0.1075	0.1075		0.1014	0.1014	0.0000	611.5623	611.5623	0.1735		615.9005

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	9.0000e-005	5.7300e-003	1.5300e-003	3.0000e-005	7.4000e-004	5.0000e-005	7.8000e-004	2.0000e-004	4.0000e-005	2.5000e-004		2.7870	2.7870	1.4000e-004	4.4000e-004	2.9226
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	0.0237	0.0153	0.1829	5.5000e-004	0.0657	3.5000e-004	0.0661	0.0174	3.3000e-004	0.0178		56.1616	56.1616	1.6900e-003	1.5800e-003	56.6755
Total	0.0238	0.0210	0.1845	5.8000e-004	0.0665	4.0000e-004	0.0669	0.0176	3.7000e-004	0.0180		58.9487	58.9487	1.8300e-003	2.0200e-003	59.5982

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 West Road SDG&E U/G Work - 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	0.3125	2.2356	3.8243	6.6300e-003		0.1007	0.1007		0.0952	0.0952		611.7220	611.7220	0.1736		616.0616
Total	0.3125	2.2356	3.8243	6.6300e-003		0.1007	0.1007		0.0952	0.0952		611.7220	611.7220	0.1736		616.0616

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	9.0000e-005	5.6800e-003	1.5500e-003	2.0000e-005	7.4000e-004	5.0000e-005	7.8000e-004	2.0000e-004	5.0000e-005	2.5000e-004		2.7380	2.7380	1.4000e-004	4.4000e-004	2.8715
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	0.0223	0.0137	0.1713	5.3000e-004	0.0657	3.4000e-004	0.0661	0.0174	3.1000e-004	0.0177		54.7553	54.7553	1.5500e-003	1.4800e-003	55.2345
Total	0.0224	0.0194	0.1728	5.5000e-004	0.0665	3.9000e-004	0.0668	0.0176	3.6000e-004	0.0180		57.4933	57.4933	1.6900e-003	1.9200e-003	58.1060

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 West Road SDG&E U/G Work - 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	0.3125	2.2356	3.8243	6.6300e-003		0.1007	0.1007		0.0952	0.0952	0.0000	611.7220	611.7220	0.1736		616.0616
Total	0.3125	2.2356	3.8243	6.6300e-003		0.1007	0.1007		0.0952	0.0952	0.0000	611.7220	611.7220	0.1736		616.0616

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	9.0000e-005	5.6800e-003	1.5500e-003	2.0000e-005	7.4000e-004	5.0000e-005	7.8000e-004	2.0000e-004	5.0000e-005	2.5000e-004		2.7380	2.7380	1.4000e-004	4.4000e-004	2.8715
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	0.0223	0.0137	0.1713	5.3000e-004	0.0657	3.4000e-004	0.0661	0.0174	3.1000e-004	0.0177		54.7553	54.7553	1.5500e-003	1.4800e-003	55.2345
Total	0.0224	0.0194	0.1728	5.5000e-004	0.0665	3.9000e-004	0.0668	0.0176	3.6000e-004	0.0180		57.4933	57.4933	1.6900e-003	1.9200e-003	58.1060

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 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	0.0368	1.4642	0.5132	6.6400e-003	0.2235	8.7000e-003	0.2322	0.0643	8.3200e-003	0.0727		717.7853	717.7853	0.0225	0.1040	749.3437
Worker	0.1871	0.1151	1.4345	4.4500e-003	0.5504	2.8200e-003	0.5532	0.1460	2.6000e-003	0.1486		458.5753	458.5753	0.0129	0.0124	462.5888
Total	0.2239	1.5793	1.9477	0.0111	0.7739	0.0115	0.7854	0.2103	0.0109	0.2213		1,176.3606	1,176.3606	0.0354	0.1164	1,211.9324

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.8 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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	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	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	0.0368	1.4642	0.5132	6.6400e-003	0.2235	8.7000e-003	0.2322	0.0643	8.3200e-003	0.0727		717.7853	717.7853	0.0225	0.1040	749.3437
Worker	0.1871	0.1151	1.4345	4.4500e-003	0.5504	2.8200e-003	0.5532	0.1460	2.6000e-003	0.1486		458.5753	458.5753	0.0129	0.0124	462.5888
Total	0.2239	1.5793	1.9477	0.0111	0.7739	0.0115	0.7854	0.2103	0.0109	0.2213		1,176.3606	1,176.3606	0.0354	0.1164	1,211.9324

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 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	0.0356	1.4500	0.5047	6.5000e-003	0.2235	8.6700e-003	0.2322	0.0643	8.2900e-003	0.0726		704.1171	704.1171	0.0231	0.1020	735.0829
Worker	0.1767	0.1042	1.3478	4.2900e-003	0.5504	2.7000e-003	0.5531	0.1460	2.4900e-003	0.1485		447.3825	447.3825	0.0118	0.0116	451.1410
Total	0.2122	1.5543	1.8525	0.0108	0.7739	0.0114	0.7853	0.2103	0.0108	0.2211		1,151.499 6	1,151.499 6	0.0349	0.1136	1,186.223 9

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	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	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	0.0356	1.4500	0.5047	6.5000e-003	0.2235	8.6700e-003	0.2322	0.0643	8.2900e-003	0.0726		704.1171	704.1171	0.0231	0.1020	735.0829
Worker	0.1767	0.1042	1.3478	4.2900e-003	0.5504	2.7000e-003	0.5531	0.1460	2.4900e-003	0.1485		447.3825	447.3825	0.0118	0.0116	451.1410
Total	0.2122	1.5543	1.8525	0.0108	0.7739	0.0114	0.7853	0.2103	0.0108	0.2211		1,151.499 6	1,151.499 6	0.0349	0.1136	1,186.223 9

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 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	0.0345	1.4346	0.4986	6.3700e-003	0.2235	8.6000e-003	0.2321	0.0643	8.2200e-003	0.0726		690.6874	690.6874	0.0237	0.1000	721.0745
Worker	0.1674	0.0952	1.2733	4.1600e-003	0.5504	2.5700e-003	0.5530	0.1460	2.3700e-003	0.1484		436.9585	436.9585	0.0108	0.0110	440.5025
Total	0.2019	1.5298	1.7719	0.0105	0.7739	0.0112	0.7851	0.2103	0.0106	0.2209		1,127.646 0	1,127.646 0	0.0345	0.1110	1,161.577 0

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	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	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	0.0345	1.4346	0.4986	6.3700e-003	0.2235	8.6000e-003	0.2321	0.0643	8.2200e-003	0.0726		690.6874	690.6874	0.0237	0.1000	721.0745
Worker	0.1674	0.0952	1.2733	4.1600e-003	0.5504	2.5700e-003	0.5530	0.1460	2.3700e-003	0.1484		436.9585	436.9585	0.0108	0.0110	440.5025
Total	0.2019	1.5298	1.7719	0.0105	0.7739	0.0112	0.7851	0.2103	0.0106	0.2209		1,127.646 0	1,127.646 0	0.0345	0.1110	1,161.577 0

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.8 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	0.0337	1.4195	0.4936	6.2300e-003	0.2235	8.5300e-003	0.2320	0.0643	8.1500e-003	0.0725		676.4191	676.4191	0.0242	0.0979	706.1980
Worker	0.1586	0.0874	1.2091	4.0400e-003	0.5504	2.4200e-003	0.5528	0.1460	2.2300e-003	0.1482		427.5213	427.5213	9.9500e-003	0.0104	430.8822
Total	0.1923	1.5070	1.7027	0.0103	0.7739	0.0110	0.7848	0.2103	0.0104	0.2207		1,103.940 4	1,103.940 4	0.0341	0.1083	1,137.080 2

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.8 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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	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	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	0.0337	1.4195	0.4936	6.2300e-003	0.2235	8.5300e-003	0.2320	0.0643	8.1500e-003	0.0725		676.4191	676.4191	0.0242	0.0979	706.1980
Worker	0.1586	0.0874	1.2091	4.0400e-003	0.5504	2.4200e-003	0.5528	0.1460	2.2300e-003	0.1482		427.5213	427.5213	9.9500e-003	0.0104	430.8822
Total	0.1923	1.5070	1.7027	0.0103	0.7739	0.0110	0.7848	0.2103	0.0104	0.2207		1,103.940 4	1,103.940 4	0.0341	0.1083	1,137.080 2

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.9 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

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	3.7300e-003	0.2383	0.0689	1.0200e-003	0.0318	2.0100e-003	0.0338	8.7200e-003	1.9200e-003	0.0106		113.4199	113.4199	6.6200e-003	0.0181	118.9729
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	0.0500	0.0284	0.3801	1.2400e-003	0.1643	7.7000e-004	0.1651	0.0436	7.1000e-004	0.0443		130.4354	130.4354	3.2300e-003	3.2800e-003	131.4933
Total	0.0537	0.2667	0.4490	2.2600e-003	0.1961	2.7800e-003	0.1989	0.0523	2.6300e-003	0.0549		243.8553	243.8553	9.8500e-003	0.0214	250.4661

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.9 Paving - 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	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259	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	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741

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	3.7300e-003	0.2383	0.0689	1.0200e-003	0.0318	2.0100e-003	0.0338	8.7200e-003	1.9200e-003	0.0106		113.4199	113.4199	6.6200e-003	0.0181	118.9729
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	0.0500	0.0284	0.3801	1.2400e-003	0.1643	7.7000e-004	0.1651	0.0436	7.1000e-004	0.0443		130.4354	130.4354	3.2300e-003	3.2800e-003	131.4933
Total	0.0537	0.2667	0.4490	2.2600e-003	0.1961	2.7800e-003	0.1989	0.0523	2.6300e-003	0.0549		243.8553	243.8553	9.8500e-003	0.0214	250.4661

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.10 Paving 2 - 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	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

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	1.8400e-003	0.1174	0.0348	5.0000e-004	0.0159	9.9000e-004	0.0169	4.3600e-003	9.5000e-004	5.3100e-003		55.4200	55.4200	3.4000e-003	8.8400e-003	58.1392
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	0.0261	0.3609	1.2100e-003	0.1643	7.2000e-004	0.1650	0.0436	6.7000e-004	0.0442		127.6183	127.6183	2.9700e-003	3.1200e-003	128.6215
Total	0.0492	0.1434	0.3957	1.7100e-003	0.1802	1.7100e-003	0.1819	0.0479	1.6200e-003	0.0496		183.0383	183.0383	6.3700e-003	0.0120	186.7607

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.10 Paving 2 - 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	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259	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	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741

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	1.8400e-003	0.1174	0.0348	5.0000e-004	0.0159	9.9000e-004	0.0169	4.3600e-003	9.5000e-004	5.3100e-003		55.4200	55.4200	3.4000e-003	8.8400e-003	58.1392
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	0.0261	0.3609	1.2100e-003	0.1643	7.2000e-004	0.1650	0.0436	6.7000e-004	0.0442		127.6183	127.6183	2.9700e-003	3.1200e-003	128.6215
Total	0.0492	0.1434	0.3957	1.7100e-003	0.1802	1.7100e-003	0.1819	0.0479	1.6200e-003	0.0496		183.0383	183.0383	6.3700e-003	0.0120	186.7607

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.11 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	5.4905					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	5.6614	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	0.0343	0.0202	0.2615	8.3000e-004	0.1068	5.2000e-004	0.1073	0.0283	4.8000e-004	0.0288		86.8056	86.8056	2.2900e-003	2.2500e-003	87.5348
Total	0.0343	0.0202	0.2615	8.3000e-004	0.1068	5.2000e-004	0.1073	0.0283	4.8000e-004	0.0288		86.8056	86.8056	2.2900e-003	2.2500e-003	87.5348

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.11 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	5.4905					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	0.0000	281.4481	281.4481	0.0154		281.8319
Total	5.6614	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	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	0.0343	0.0202	0.2615	8.3000e-004	0.1068	5.2000e-004	0.1073	0.0283	4.8000e-004	0.0288		86.8056	86.8056	2.2900e-003	2.2500e-003	87.5348
Total	0.0343	0.0202	0.2615	8.3000e-004	0.1068	5.2000e-004	0.1073	0.0283	4.8000e-004	0.0288		86.8056	86.8056	2.2900e-003	2.2500e-003	87.5348

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.11 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	5.4905					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	5.6614	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	0.0325	0.0185	0.2471	8.1000e-004	0.1068	5.0000e-004	0.1073	0.0283	4.6000e-004	0.0288		84.7830	84.7830	2.1000e-003	2.1300e-003	85.4706
Total	0.0325	0.0185	0.2471	8.1000e-004	0.1068	5.0000e-004	0.1073	0.0283	4.6000e-004	0.0288		84.7830	84.7830	2.1000e-003	2.1300e-003	85.4706

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.11 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	5.4905					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	0.0000	281.4481	281.4481	0.0154		281.8319
Total	5.6614	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	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	0.0325	0.0185	0.2471	8.1000e-004	0.1068	5.0000e-004	0.1073	0.0283	4.6000e-004	0.0288		84.7830	84.7830	2.1000e-003	2.1300e-003	85.4706
Total	0.0325	0.0185	0.2471	8.1000e-004	0.1068	5.0000e-004	0.1073	0.0283	4.6000e-004	0.0288		84.7830	84.7830	2.1000e-003	2.1300e-003	85.4706

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.12 Architectural Coating 2 - 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	2.0498					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	2.2207	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	0.0325	0.0185	0.2471	8.1000e-004	0.1068	5.0000e-004	0.1073	0.0283	4.6000e-004	0.0288		84.7830	84.7830	2.1000e-003	2.1300e-003	85.4706
Total	0.0325	0.0185	0.2471	8.1000e-004	0.1068	5.0000e-004	0.1073	0.0283	4.6000e-004	0.0288		84.7830	84.7830	2.1000e-003	2.1300e-003	85.4706

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.12 Architectural Coating 2 - 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	2.0498					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	0.0000	281.4481	281.4481	0.0154		281.8319
Total	2.2207	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	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	0.0325	0.0185	0.2471	8.1000e-004	0.1068	5.0000e-004	0.1073	0.0283	4.6000e-004	0.0288		84.7830	84.7830	2.1000e-003	2.1300e-003	85.4706
Total	0.0325	0.0185	0.2471	8.1000e-004	0.1068	5.0000e-004	0.1073	0.0283	4.6000e-004	0.0288		84.7830	84.7830	2.1000e-003	2.1300e-003	85.4706

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.12 Architectural Coating 2 - 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	2.0498					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	2.2207	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	0.0308	0.0170	0.2346	7.8000e-004	0.1068	4.7000e-004	0.1073	0.0283	4.3000e-004	0.0288		82.9519	82.9519	1.9300e-003	2.0300e-003	83.6040
Total	0.0308	0.0170	0.2346	7.8000e-004	0.1068	4.7000e-004	0.1073	0.0283	4.3000e-004	0.0288		82.9519	82.9519	1.9300e-003	2.0300e-003	83.6040

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.12 Architectural Coating 2 - 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	2.0498					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	0.0000	281.4481	281.4481	0.0154		281.8319
Total	2.2207	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	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	0.0308	0.0170	0.2346	7.8000e-004	0.1068	4.7000e-004	0.1073	0.0283	4.3000e-004	0.0288		82.9519	82.9519	1.9300e-003	2.0300e-003	83.6040
Total	0.0308	0.0170	0.2346	7.8000e-004	0.1068	4.7000e-004	0.1073	0.0283	4.3000e-004	0.0288		82.9519	82.9519	1.9300e-003	2.0300e-003	83.6040

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.6563	0.6792	6.0194	0.0123	1.4790	9.4100e-003	1.4884	0.3940	8.7700e-003	0.4027		1,299.1394	1,299.1394	0.0944	0.0590	1,319.0671
Unmitigated	0.6563	0.6792	6.0194	0.0123	1.4790	9.4100e-003	1.4884	0.3940	8.7700e-003	0.4027		1,299.1394	1,299.1394	0.0944	0.0590	1,319.0671

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Hospital	279.00	279.00	279.00	702,644	702,644
Total	279.00	279.00	279.00	702,644	702,644

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Hospital	9.50	7.30	7.30	64.90	16.10	19.00	73	25	2

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.568480	0.062094	0.174123	0.115064	0.023357	0.006399	0.009361	0.006325	0.000693	0.000596	0.028205	0.000919	0.004383
General Office Building	0.568480	0.062094	0.174123	0.115064	0.023357	0.006399	0.009361	0.006325	0.000693	0.000596	0.028205	0.000919	0.004383
Hospital	0.568480	0.062094	0.174123	0.115064	0.023357	0.006399	0.009361	0.006325	0.000693	0.000596	0.028205	0.000919	0.004383

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	lb/day										lb/day					
NaturalGas Mitigated	0.2400	2.1821	1.8330	0.0131		0.1658	0.1658		0.1658	0.1658		2,618.5390	2,618.5390	0.0502	0.0480	2,634.0997
NaturalGas Unmitigated	0.2400	2.1821	1.8330	0.0131		0.1658	0.1658		0.1658	0.1658		2,618.5390	2,618.5390	0.0502	0.0480	2,634.0997

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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					
Enclosed Parking with Elevator	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
General Office Building	1975.56	0.0213	0.1937	0.1627	1.1600e-003		0.0147	0.0147		0.0147	0.0147		232.4190	232.4190	4.4500e-003	4.2600e-003	233.8002
Hospital	20282	0.2187	1.9884	1.6703	0.0119		0.1511	0.1511		0.1511	0.1511		2,386.1200	2,386.1200	0.0457	0.0438	2,400.2995
Total		0.2400	2.1821	1.8330	0.0131		0.1658	0.1658		0.1658	0.1658		2,618.5390	2,618.5390	0.0502	0.0480	2,634.0997

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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					
Enclosed Parking with Elevator	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
General Office Building	1.97556	0.0213	0.1937	0.1627	1.1600e-003		0.0147	0.0147		0.0147	0.0147		232.4190	232.4190	4.4500e-003	4.2600e-003	233.8002
Hospital	20.282	0.2187	1.9884	1.6703	0.0119		0.1511	0.1511		0.1511	0.1511		2,386.1200	2,386.1200	0.0457	0.0438	2,400.2995
Total		0.2400	2.1821	1.8330	0.0131		0.1658	0.1658		0.1658	0.1658		2,618.5390	2,618.5390	0.0502	0.0480	2,634.0997

6.0 Area Detail**6.1 Mitigation Measures Area**

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	3.7523	2.3000e-004	0.0254	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0546	0.0546	1.4000e-004		0.0582
Unmitigated	3.7523	2.3000e-004	0.0254	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0546	0.0546	1.4000e-004		0.0582

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	0.2106					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.5394					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3400e-003	2.3000e-004	0.0254	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0546	0.0546	1.4000e-004		0.0582
Total	3.7523	2.3000e-004	0.0254	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0546	0.0546	1.4000e-004		0.0582

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.2106					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.5394					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3400e-003	2.3000e-004	0.0254	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0546	0.0546	1.4000e-004		0.0582
Total	3.7523	2.3000e-004	0.0254	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0546	0.0546	1.4000e-004		0.0582

7.0 Water Detail

7.1 Mitigation Measures Water

Rady SD_ICU/ESP - San Diego County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste**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
