Appendix C Air Quality and Greenhouse Gas Supporting Information

Contains:

- AECOM, 2022. Health Risk Assessment for the Proposed Senior Living Project at 14500 Fruitvale Avenue, Saratoga. Memorandum prepared for City of Saratoga. June 28, 2022.
- CalEEMod Inputs, Assumptions, and Outputs, prepared by AECOM in support of CEQA analysis.

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AECOM
300 Lakeside Drive
Suite 400
Oakland
CA 94612
aecom.com

To: Cynthia Richardson
Consultant Planner, City of Saratoga
13777 Fruitvale Avenue
Saratoga, CA 95070

CC: Emma Rawnsley, Rod Jeung

Project name: Saratoga Retirement Community Campus Master Plan

Project ref: 60649732

From: Mary Kaplan; Christopher Warren; Paola Peña

Date: June 28, 2022

Memo: Health Risk Assessment for the Proposed Senior Living Project at 14500 Fruitvale Avenue in Saratoga, California

Executive Summary

At the request of the City of Saratoga, a Health Risk Assessment (HRA) was performed to evaluate impacts associated with a proposed expansion project at the Saratoga Retirement Community (SRC) for existing and future residences and the nearby community. The HRA was prepared consistent with guidance and methodologies from local, regional, State, and federal agencies, including the Bay Area Air Quality Management District (BAAQMD), the California Air Resources Board (CARB), the Office of Environmental Health Hazard Assessment (OEHHA), and the United States Environmental Protection Agency (U.S. EPA).

The proposed project includes the construction of three new residential buildings, a new meeting room, and an expansion to the existing fitness center. The construction activity is anticipated to take 25-months to complete. Mass emissions and health risks for both construction and future operation were evaluated for the proposed project. The health risks included annual $PM_{2.5}$, cancer, chronic non-cancer and acute risks. Annual $PM_{2.5}$ concentrations were evaluated for each construction year of the proposed project and for a full year of operational emissions. Excess cancer and chronic non-cancer health risks were evaluated for the proposed project for the duration of construction and then for a 30-year (resident) and 25-year (worker) periods for operations. A summary of the results and comparison to BAAQMD thresholds along with any mitigation, if needed, are presented in Table ES-1.

Table ES-1. CEQA Health Risk Assessment Thresholds

Threshold	Mitigation	Comparison to Threshold
Construction Health Risks		
Annual $PM_{2.5}$ concentrations at on-/off-site receptors	• Construction contractor shall use equipment that meets the U.S. EPA's Tier 4 Final emission standards for off-road diesel-powered equipment with engines greater than 50 horsepower.	Below threshold with mitigation
Excess cancer, non-cancer chronic, and acute risks at on-/off-site receptors	• None.	Below threshold
Operation Health Risks		
Annual $PM_{2.5}$ concentrations at on-/off-site receptors	• None.	Below threshold
Excess cancer, non-cancer chronic, and acute risks at on-/off-site receptors	• None.	Below threshold

Introduction

Project Understanding

The Saratoga Retirement Community (SRC) is situated on approximately 37 acres at 14500 Fruitvale Avenue in Saratoga, California as shown in Figure 1. The SRC is proposing to construct three new residential buildings, a new meeting room, and an expansion to the existing fitness center. The proposed project also includes a reduction in the number of existing memory care and skilled nursing beds at the facility.

Proposed Project

As outlined in the Environmental Impact Report (EIR), the proposed project would include:

- Three new senior housing buildings (A, B, and C), containing a total of 52 new independent living units;
- A 1,065-square foot fitness center addition attached to the existing fitness center building;
- A 4,792-square foot meeting room addition attached to the original Odd Fellows Manor building; and
- A parking garage under each of the new housing buildings (A through C) and the meeting room, with additional surface parking spaces distributed throughout the site, for a net increase of 109 parking spaces.
- Renovation of existing Healthcare facility building and conversion of double-occupancy rooms to single-occupancy (internal construction only).

Figure 2 provides an illustration of the proposed development areas. Site improvements such as modifications to vehicular and pedestrian circulation and utility revisions are also proposed.

The proposed project is scheduled to begin construction in July 2023 and be completed by mid-2025 (approximately 26 months). There would be overlap in the construction of the buildings and utility revisions, as shown in Figure 2.

Figure 1 Project Location

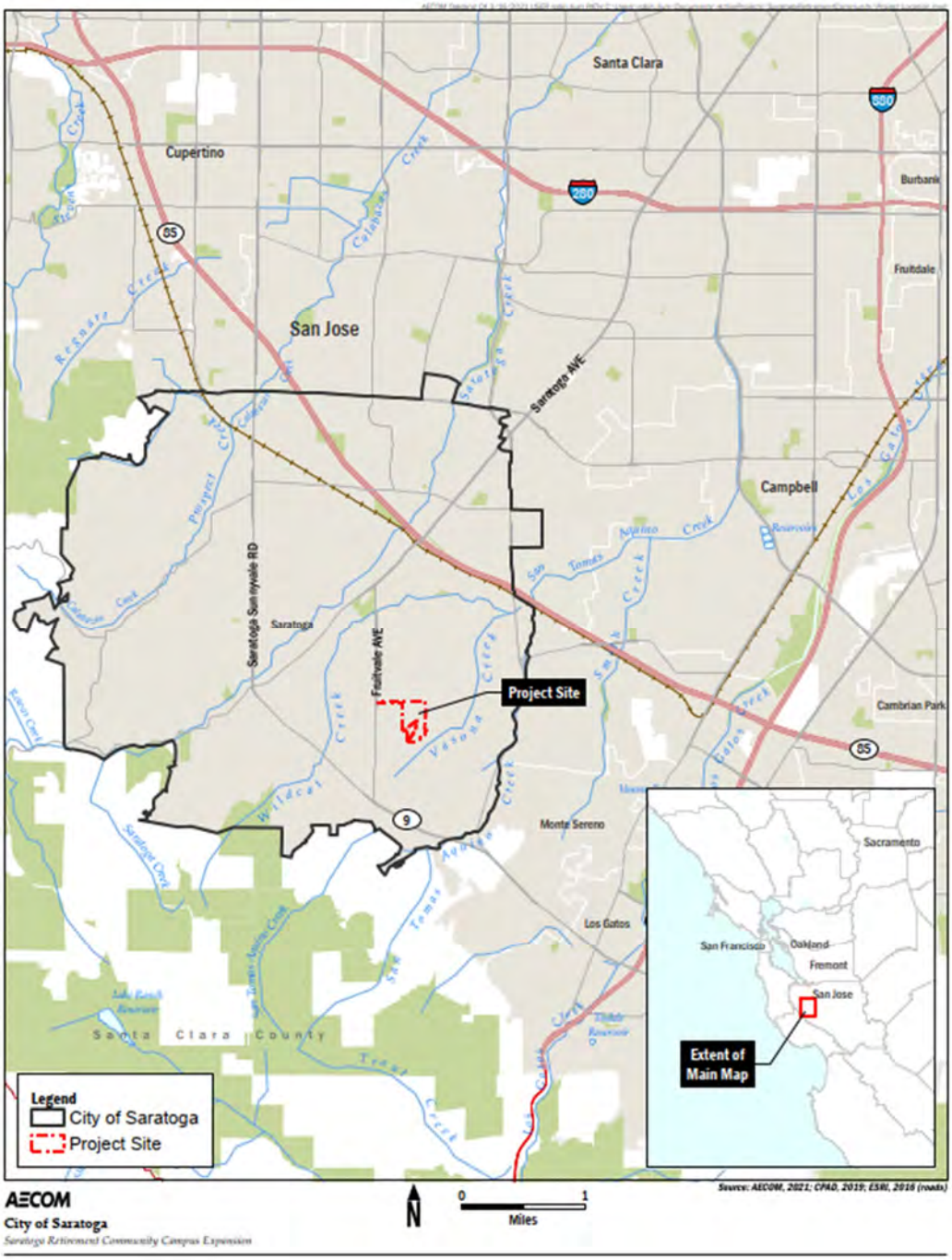

Figure 2 Proposed Project Development

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Saratoga Retirement Community Campus Expansion

Figure 3 Proposed Project Construction Schedule

Notes: HealthCare building renovation to be broken out by wing (4 wings), each with a duration of 6 months.

The three new residential buildings (A, B and C) would be located within the existing SRC footprint. Building A would be built to the north of the existing fitness center between W Cottages Lane and Pavilion Circle. Building B would be situated between W Cottages Lane and Colfax Lane, and in front of the existing historic Odd Fellows Manor building. Building C would be located on the east side of Colfax Lane and west of McLaren Lane. The proposed fitness center addition would be built along the west side of the fitness center. The proposed meeting room addition would be located to the west of the Odd Fellows Manor building. The renovation of the existing HealthCare building would span a total of 24-months, with each wing of the building (4 wings in total) taking 6-months to complete.

Health Risk Background

The United States Environmental Protection Agency (U.S. EPA) regulates hazardous air pollutants, also known as toxic air contaminants (TACs). TACs may be emitted by stationary, area, or mobile sources. Common stationary sources of TAC emissions include gasoline stations, dry cleaners, and diesel backup generators, which are subject to the permit requirements of local air districts. The other, often more substantial, sources of TAC emissions are motor vehicles on freeways, on high-volume roadways, or in other areas with high numbers of diesel vehicles, such as distribution centers. Off-road mobile sources are also major contributors of TAC emissions and include construction equipment, ships, and trains.

TACs collectively refer to a diverse group of air pollutants that are capable of causing chronic (i.e., long-duration) and acute (i.e., severe but short-term) adverse effects on human health, including carcinogenic effects. Human health effects of TACs include birth defects, neurological damage, cancer, and mortality. There are hundreds of different types of TACs with varying degrees of toxicity. The health risks of individual TACs vary greatly; at a given level of exposure, one TAC may pose a hazard that is many times greater than another.

TACs can be separated into carcinogens and noncarcinogens based on the nature of the effects associated with exposure to the pollutant. For regulatory purposes, carcinogens are assumed to have no safe threshold below which health impacts would not occur. Any exposure to a carcinogen poses some risk of contracting cancer. Noncarcinogens differ in that there is generally assumed to be a safe level of exposure below which no negative health impact is believed to occur. These levels are determined on a pollutant-by-pollutant basis.

Air pollution does not affect every individual in the population in the same way, and some groups are more sensitive than others to adverse health effects. Land uses such as residences, schools, daycare centers, hospitals, and nursing and convalescent homes are considered most sensitive to poor air quality, because the population groups associated with these uses are more susceptible to respiratory distress or, for residential receptors, their exposure time is greater than that for other land uses. Therefore, these groups are referred to as sensitive receptors.

Thresholds for Determining Significance

For the health risk assessment (cancer, non-cancer chronic and acute risk, and annual particulate matter less than 2.5 micrometers in diameter [$PM_{2.5}$] concentration), the modeling results are compared to the Bay Area Air Quality Management District (BAAQMD) California Environmental Quality Act (CEQA) health risk thresholds. Table 1 summarizes the CEQA thresholds of significance for TACs.

Table 1. CEQA Health Risk Assessment Thresholds

Health Risk	Threshold
Maximum Incremental Cancer Risk	≤ 10 in 1 million
Chronic Non-Cancer, 8-hour Chronic Non-Cancer & Acute Hazard Index	≤ 1.0
Annual $PM_{2.5}$ Concentration	0.3 µg/m^3

Source: BAAQMD 2017

Objective and Approach

The purpose of this Health Risk Assessment is to assess potential TAC emission impacts associated with construction and operation of the proposed project. The analysis was conducted consistent with guidance and methodologies from local, regional, state and federal agencies, including the BAAQMD, City of Saratoga, California Air Resources Board (CARB), California Environmental Protection Agency's Office of Environmental Health Hazard Assessment (OEHHA), and the U.S. EPA.

Analysis Evaluation

Consistent with CEQA requirements, this analysis evaluates health risk and hazard impacts of short-term construction and long-term operational emissions from the proposed project on existing and future new sensitive receptors within 1,000 feet of the proposed project site and within 500 feet of project-related traffic. For off-site sensitive receptors, the probability of contracting cancer risk from proposed project's emission sources were evaluated over the 2.3 years (27 months)[1] of construction beginning in the 3rd trimester. Operational exposure for off-site sensitive receptors were assessed for a 30-year period with a beginning age of 2 years. On-site receptors were considered to reside within the SRC and therefore, the analysis evaluated a starting exposure age of 55 years and 16 years for residents and workers, respectively.

[1] Modeled duration for health risk is slightly longer than then 26 months as 6 months is the shortest duration available in HARP.

Project Emission Sources

This Health Risk Assessment evaluates the following sources of air pollutant emissions and exposures:

1. *Health risk and hazard impacts of construction emissions* from the proposed project to existing sensitive receptors (on-site and off-site residents and schools) located within 1,000 feet of the proposed project footprint and 500 feet of off-site construction traffic.
2. *Health risk and hazard impacts of operational emissions* associated with the proposed project that have the potential to affect on-site and off-site sensitive receptors located within 1,000 feet of the proposed project footprint and 500 feet of off-site traffic routes. This includes the addition of emergency generators and increased traffic to/from the proposed project.

Emission Estimates

Construction-related and operational air quality emissions associated with the proposed project were quantified according to guidance and methods from BAAQMD, CARB, and U.S. EPA. The process for determining the parameters and assumptions used to model these emissions, along with the modeling methods, are described in this section. Emissions were calculated for each year of construction (mid-2023 through mid-2025) and full operation. Detailed modeling assumptions and outputs are summarized in Appendix A.

Construction Emissions

Construction would generate TAC emissions from a variety of sources, including off-road construction equipment and on-road vehicles (i.e., haul trucks and worker commute trips). Construction-related emissions were estimated using the California Emissions Estimator Model (CalEEMod) Version 2020.4.0 (CAPCOA 2021). CalEEMod allows the user to enter project-specific construction information, such as the types of construction equipment, construction equipment usage, length of construction phases, and the number of off-site motor vehicle trips. As described previously, construction of the proposed project would last approximately 26 months. The proposed project would be constructed in four overlapping phases:

- Phase 1: Building A and fitness center is estimated to occur from July 2023 through December 2024.
- Phase 2: Building B is estimated to occur from February 2024 through July 2025.
- Phase 3: Building C and meeting room is estimated to occur from November 2023 through August 2025.
- Phase 4: Renovation and conversion of double-occupancy rooms within the existing Healthcare and Assisted Living buildings is estimated to occur in stages between July 2023 through July 2025.

The anticipated construction equipment for Phases 1 through 3 of the Project would include: aerial lifts, air compressors, bore/drill rigs, cement and mortar mixers, cranes, dozers, excavators, forklifts, generators, soil compactors, pavers and paving equipment, rollers, signal boards, skid steer loaders, sweepers/scrubbers, and welding equipment.

No heavy construction equipment is anticipated for Phase 4. Anticipated construction equipment for Phase 4 would include: air compressors, concrete saws, and power tools

Table 2 below provides the anticipated construction personnel for each phase of construction.

Table 2. Estimated Construction Personnel

Phase	Average Construction Personnel	Maximum Construction Personnel
Phase 1	50 per day	74 per day
Phase 2	27 per day	41 per day
Phase 3	46 per day	75 per day
Phase 4	10 per day	16 per day

Source: *RCP Construction Inc. 2021, 2022.*

It is estimated that approximately 720 tons (1,440 cubic yards) of mixed construction/demolition debris and approximately 43,000 cubic yards of spoils would be generated throughout construction of the proposed project, of which approximately 15 percent would be reused as backfill on site. The total volume of material that would be off-hauled (exported) from the site is estimated at approximately 37,100 cubic yards (Ankrom Moisan 2021). Table 3 below shows the total $PM_{2.5}$ emissions per year of construction.

Table 3 below summarizes the proposed project's $PM_{2.5}$ exhaust emissions associated with each year of construction. As described in the following sections of this memo, the $PM_{2.5}$ exhaust emissions serve as surrogate for diesel particulate matter (diesel PM), a TAC, and were used to estimate construction-related health risks and $PM_{2.5}$ concentrations.

Table 3. Construction-Related $PM_{2.5}$ Exhaust Emissions

Year	$PM_{2.5}$ (tons)
2023	0.04
2024	0.13
2025	0.06

Source: *Estimated by AECOM in 2022.*
Please refer to Section 3.3, Air Quality, of the EIR for an estimate of all criteria air pollutants.

Operational Emissions

After construction of the proposed project, long-term operations would generate emissions of TACs (i.e., diesel PM) from stationary and mobile sources.

Stationary Sources

Stationary sources associated with the proposed project include the proposed emergency generators. Emissions were estimated using emission factors and methods prescribed by U.S. EPA (e.g., AP-42, Compilation of Air Pollutant Emission Factors and Non-Road Diesel Engine Emission Standards). The proposed emergency generators were assumed to be Tier 4 final diesel engines. Each emergency generator is assumed to comply with BAAQMD testing limits of no more than 50 hours per year.

Mobile Sources

Mobile source emissions associated with the proposed project include motor vehicle travel from the proposed project's residents, visitors, employees, and miscellaneous deliveries. Emissions were estimated based on trip generation rates provided in the Traffic Study Analysis Memo (Hexagon Transportation Consultants, Inc. 2021) and CalEEMod, Version 2020.4.0. The proposed project is anticipated to generate approximately 192 daily trips.

$PM_{2.5}$ emissions from the proposed project's stationary and mobile sources are summarized in Table 4 below.

Table 4. Stationary and Mobile Source $PM_{2.5}$ Emissions

Description	$PM_{2.5}$ (tons/year)
Proposed Emergency Generators	0.0004
Mobile Sources	0.05

Source: *Estimated by AECOM in 2021, 2022.*
Please refer to Section 3.3, Air Quality, of the EIR for an estimate of all criteria air pollutants associated with all emission sources.

Air Dispersion Modeling

Consistent with BAAQMD guidance, the air toxics analysis evaluated health risks and $PM_{2.5}$ concentrations imposed by the proposed project on the surrounding community per year of construction and under full operational conditions. The American Meteorological Society/U.S. EPA Regulatory Model (AERMOD) (U.S. EPA 2021) dispersion model (Version 21112)[2] was used to estimate pollutant concentrations at specific distances from project emission sources, in conjunction with representative meteorological data. The meteorological dataset that was determined to be the most representative of the project area was San Jose International Airport. A discussion on the selection of this meteorological dataset is provided in the section below.

[2] Latest version available at the time analysis was performed.

Selection of Representative Meteorological Data

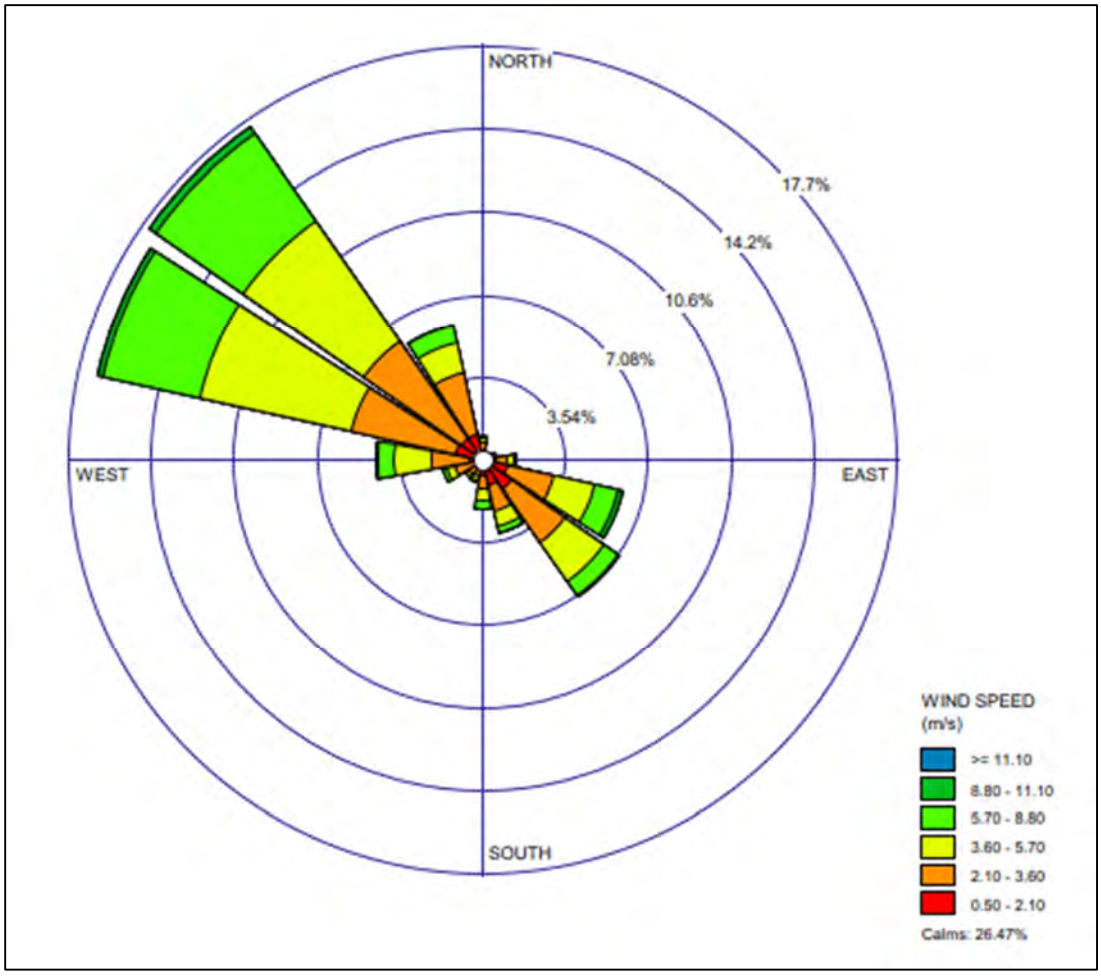
AERMOD requires a sequential hourly record of dispersion meteorology representative of the region within which the proposed project would be located. BAAQMD provides pre-processed meteorological datafiles that are AERMOD-ready at various locations across the air district. Saratoga is located on the west side of the Santa Clara Valley and is approximately 6.5 miles (10 kilometers) southwest of the San Jose International Airport.

The San Jose International Airport is the closest meteorological station to the proposed project. The terrain is relatively flat between the airport and the project site. BAAQMD provides a 5-year period (2009 through 2013) of AERMOD-ready meteorological data from San Jose International Airport. The predominant wind flow is from northwest to southeast, as shown in Figure 4. This northwest to southeast orientation aligns well with the elevated terrain west and south of the proposed project.

Other meteorological sites considered included Mt. Umunhum, located about 10 miles (16 km) to the south-southeast of the proposed project. Due to the significantly higher elevation of this station within the mountains, it would not be representative of the project site. On the east side of the Santa Clara Valley is the Reid-Hillview Airport. The orientation of the high terrain to the east would not be representative of the project area.

Based on this analysis, the San Jose International Airport was selected as the most representative meteorological dataset for the proposed project.

Figure 4. Wind Rose San Jose International Airport (2009-2013)



Source: AECOM (2021)

Rural/Urban Dispersion Environment

One of the factors affecting input parameters to dispersion models is the assessment of the mode application and the meteorological site's land use as either rural or urban. U.S. EPA guidance suggests that application of a model's dispersion environment as either rural or urban should be based upon the land use characteristics within 3 km of the project site(s) (EPA Appendix W to 40 CFR Part 51). Factors that affect the rural/urban choice, include the extent of vegetated surface area, the water surface area, types of industry and commerce, density of residential areas, and building types and heights within this area.

According to Section 7.2.1.1 of U.S. EPA's Appendix W, either a land use (Auer method) or a population density procedure should be used in determining if the model should be applied as if there is an urban vs. rural dispersion environment. For this application, the Auer method is used. This land-use approach classifies an area according to 12 land-use types. In this scheme, areas of industrial, commercial, and compact residential land use are designated urban. According to U.S. EPA modeling guidelines, if more than 50

percent of an area within a 3-km radius of a site is classified as rural, and the AERMOD's urban source options would not be used.

U.S. EPA has developed a tool, called AERSURFACE (Version 20060), that analyzes digitized land cover data from satellites. AERSURFACE can provide a breakdown of the land cover within a user-defined radius (i.e., 3-km). Digitized land cover data from the U.S. Geological Survey (USGS) National Land Cover 2016 archives were used for this analysis. The 2016 archives are the most up-to-date files available. The National Land Cover Data 2016 archive provides data at a spatial resolution of 30 x 30 meter grid cells.

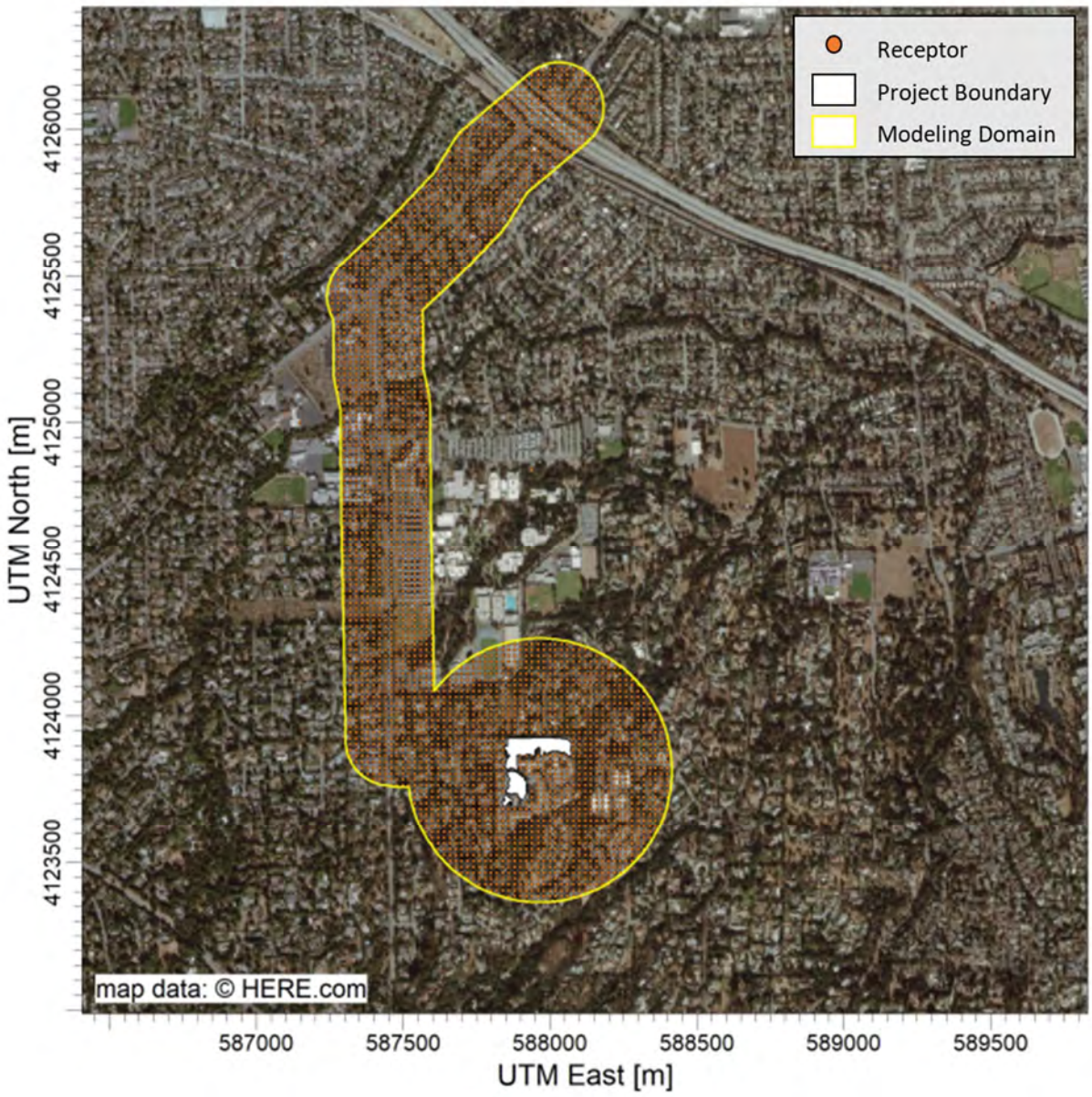
Consistent with BAAQMD guidance, urban land types would consist of developed medium and high intensity classification groups. Based on the output from AERSURFACE, the sum of these two urban land types makes up only 18.6% of the entire 3-km radius around the proposed project. Therefore, the proposed project is considered rural and AERMOD was run in default mode without the consideration of any urban source options for all sources modeled.

Terrain and Receptor Data

Terrain elevations were obtained from commercially available digital terrain elevations developed by the USGS by using its National Elevation Dataset (NED). The NED provides terrain elevations with 3.28-feet (1-meter) vertical resolution and 32.81-feet (10-meter) (1/3 arc-second) horizontal resolution based on a Universal Transverse Mercator (UTM) coordinate system. The U.S. Geological Survey specifies coordinates in North American Datum (NAD) 83, UTM Zone 10. Lakes Environmental software (Version 10.0) was used to process the NED data and assign elevations to the receptor locations and sources.

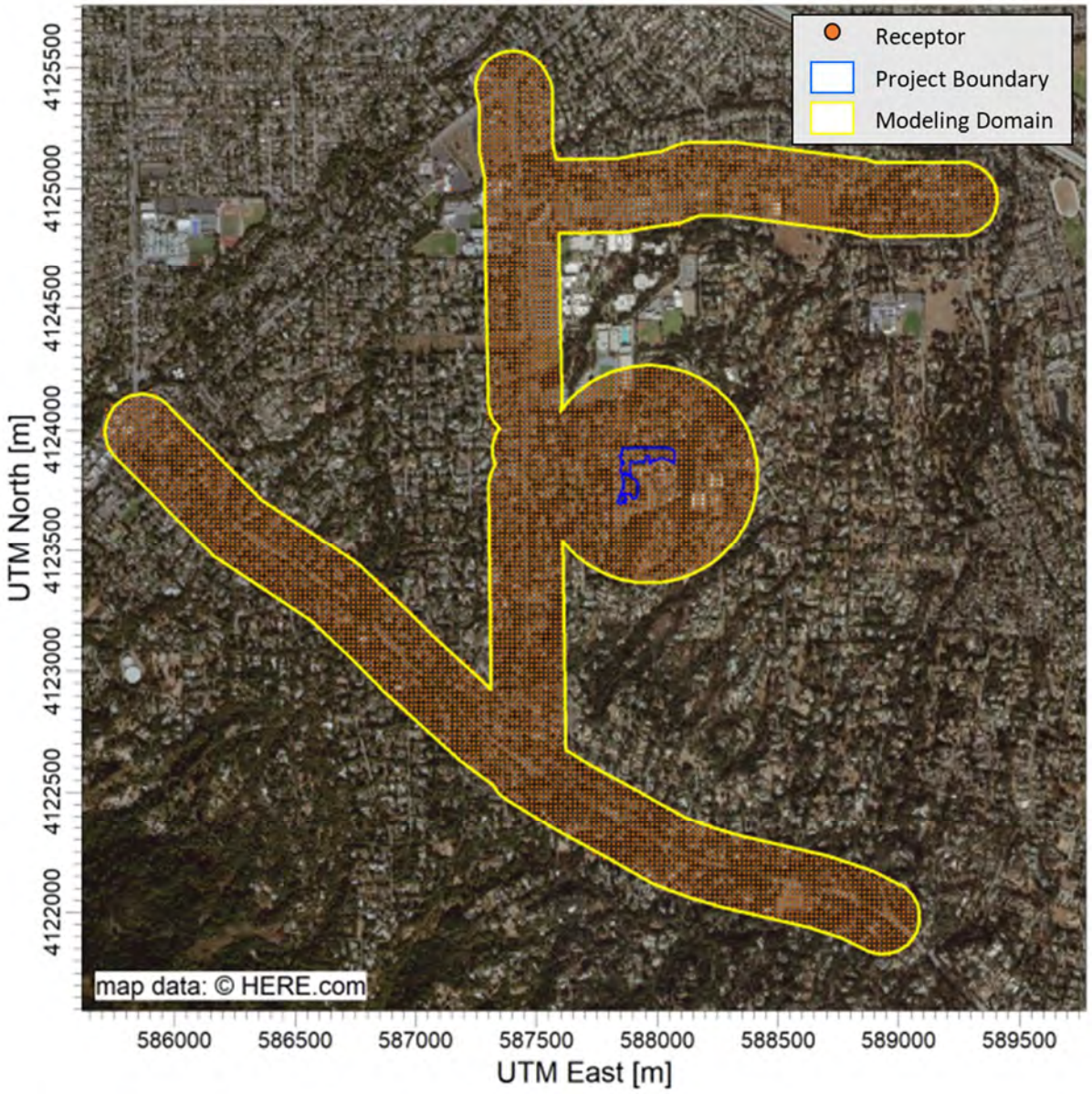
Receptor locations for on-site and off-site sensitive receptors are shown in Figures 5 and 6 for construction and operations, respectively. The receptor grid extends out 1,000 feet from the proposed project and 500 feet from off-site mobile traffic routes. The receptors were assigned a flagpole height of 1.5 meters for ground-level residences; for each floor in multilevel residential locations, 3 meters were added to this flagpole height to represent each floor above ground level. Consistent with BAAQMD guidance, receptors spacing was set to 20-meters throughout the entire grid.

Figure 5. Construction HRA Receptor Locations



Notes: Modeling domain shows extend of receptors located within 1,000 feet of project site and 500 feet from on-road construction routes.

Figure 6. Operations HRA Receptor Locations

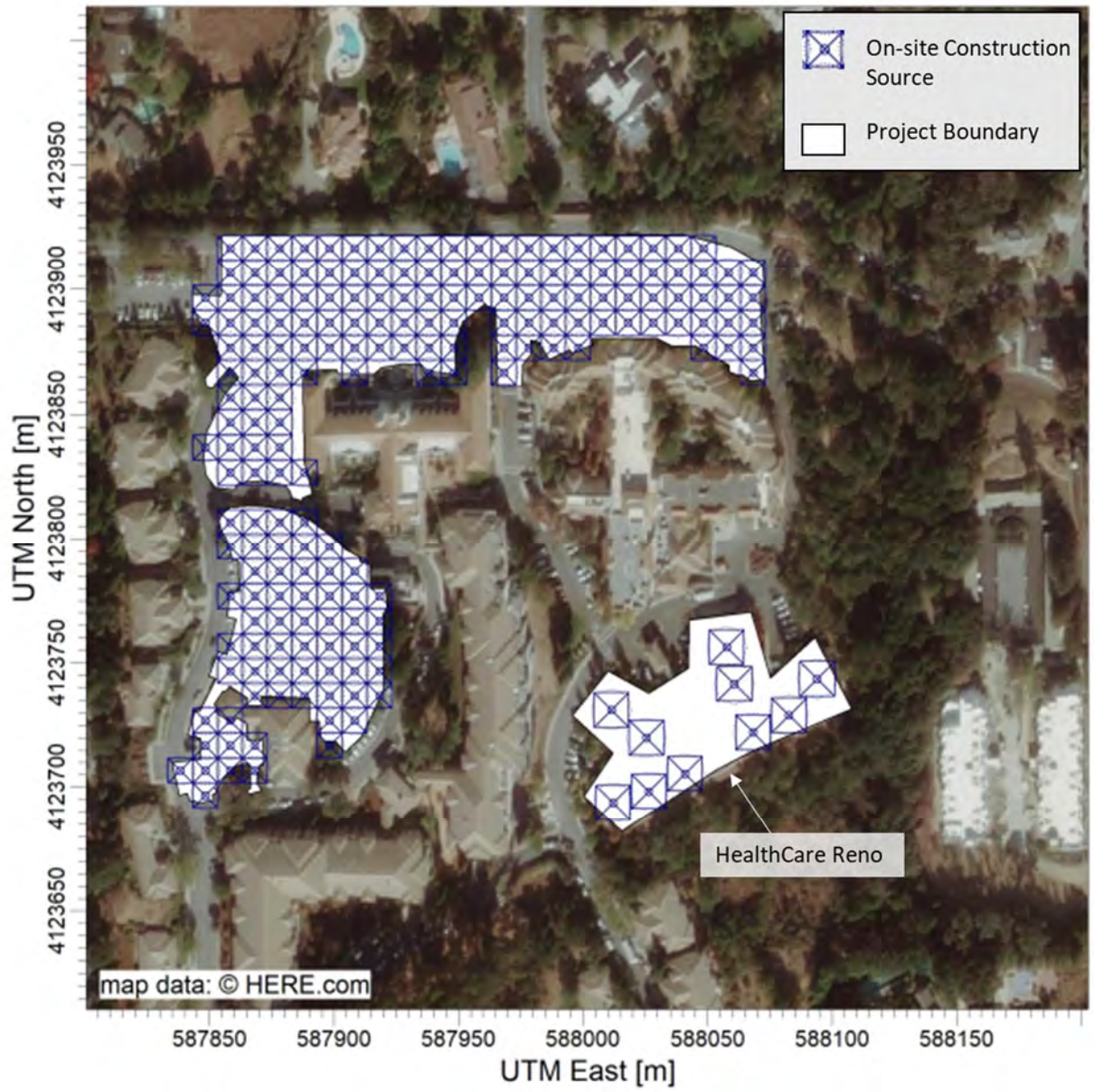


Notes: Modeling domain shows extend of receptors located within 1,000 feet of project site and 500 feet from on-road traffic routes.

Construction Sources

Off-road construction equipment utilized for on-site project activities (such as demolition, excavation, concrete foundations, and building construction) were modeled as multiple adjacent volume sources over the areas of construction-related activity. The locations of the volume sources cover the construction area footprints associated with buildings A, B, C, meeting hall and fitness center. The construction activity associated with the renovations within the existing HealthCare building are depicted by the larger volume sources in the lower right of Figure 7. Figure 7 illustrates the volume source locations used in the model.

Figure 7. Construction HRA On-Site Emission Sources



To account for potential turbulent mixing that can occur with engine exhaust from construction equipment, an initial vertical dimension of 1.4 meters for each volume source was used (excluding HealthCare building volume sources). BAAQMD HRA guidelines don't provide specific emission release parameters to use in the model. Therefore, guidance from South Coast Air Quality Management District (SCAQMD) was used. Table 5 lists the volume source parameters to be used for construction-related activities, consistent with SCAQMD guidance (SCAQMD 2008).

Table 5. Adjacent Volume Source Parameters

Parameter	Adjacent Volume Sources
Release Height (m)	5.0
Lateral Dimension (m)[1]	10 by 10
Initial Vertical Height (m)	1.4

Notes: m = meters.

[1] For projects areas less than 5 acres.

Source: SCAQMD 2008

Since the construction work related to the renovation of the existing HealthCare building would be located inside the building, an initial vertical dimension of 3.12 m (building height/2.15) was used. The height of the building is 22 feet (6.71 m). The lateral dimension of 14 meters was selected (approximate width of each building wing).

On-road emissions from construction worker vehicles, haul trucks, material delivery trucks, and on-site work trucks traveling to and from the project site were modeled as adjacent volume sources. The release height of these sources was set to 2 meters and the initial vertical dimension was set to 2.3 meters. The initial lateral dimensions vary depending on roadway width. All construction-related traffic is anticipated to access the project site from Odd Fellows Drive. Construction-related traffic would arrive/depart from north of Odd Fellows Drive along Fruitvale Ave, then east on Saratoga Ave to State Highway 85. A temporary off-site staging/parking area will be setup at the West Valley College parking lot located on South College Circle adjacent to the tennis courts and Fruitvale Ave. As shown in Figure 8, traffic was modelled along these routes, which totals approximately 10,000 feet of roadway. Emissions associated with construction personnel commute, haul truck, and material delivery trips were scaled by trip length within the modeling domain divided by total trip distance to determine the amount of emissions within the modeling domain of the proposed project. Modeling parameters for the area and roadway sources are summarized in Appendix A.

Construction is anticipated to occur Monday through Friday from 7 a.m. to 5 p.m. (2,607 hours per year) with occasional work on Saturdays (approximately 5% per year). Construction activities would not occur at night (5 p.m. to 7 a.m.) or on Sundays. Therefore, only Monday through Friday and 5% of Saturdays (per year) between the

hours of 7 a.m. and 5 p.m. were modeled in AERMOD using the EMISFACT HRDOW (emission factor hour/day of week) keyword to account for these project-specific workdays and hours.

Figure 8. Construction HRA On-Road Emission Sources

Operational Sources

Operational emission sources evaluated as part of the HRA include: (1) existing and future emergency generators and (2) on-road vehicles travelling to and from the project site.

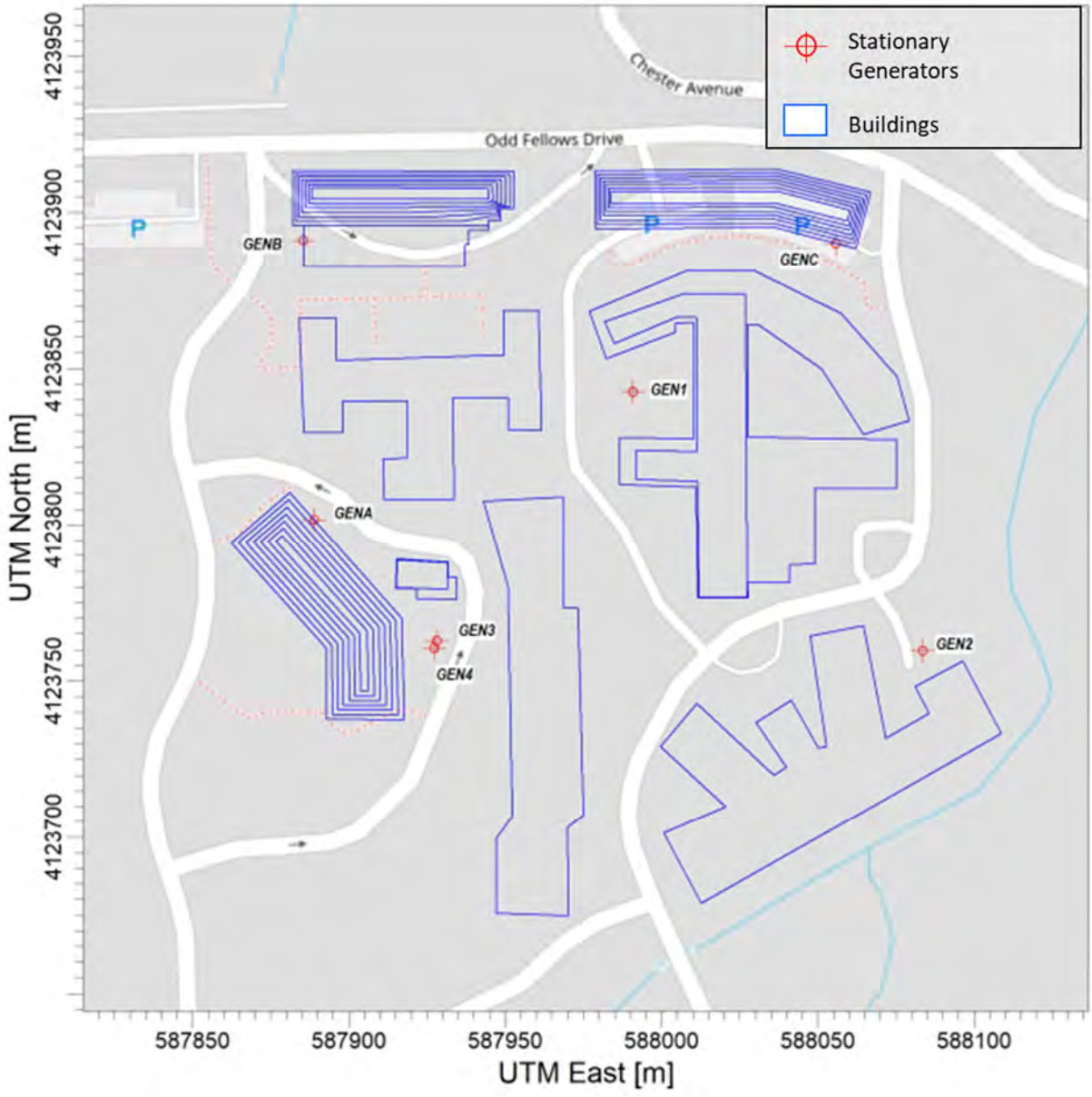
There are 4 existing emergency generators located within the retirement community. One emergency generator is located near the southeast corner of the assisting living building, one near the northeast corner of the health care building, and two just south of the maintenance building, as shown in Figure 8. All existing emergency generators are diesel-fired and located in open-air spaces (e.g., concrete pads). The orientation of the exhaust stacks from these existing emergency generators are horizontal in nature. The proposed project also anticipates installing three new emergency generators upon completion of the project. Each of the proposed emergency generators would support one of the new buildings (building A, B, or C). The future emergency generators would all be located in their respective building and exhaust horizontally out of a first-floor wall. The locations of the proposed generators are identified in Figure 9.

Table 6 lists the exhaust parameters assigned to each emergency generator modeled. Since unit-specific information was not available, recommended parameters were used based on guidance recommended in the San Francisco 2020 Citywide HRA (SFDPH 2020).

On-road emissions from operational vehicles associated with the project site were modeled as adjacent volume sources. The release height of these sources was set to 2 meters and the initial vertical dimension was set to 2.3 meters. The initial lateral dimensions vary depending on roadway width. Project-generated on-road traffic up to 12,500 feet of the project site was modeled. Resident, visitor, and food and package delivery trips were accounted in the on-road emissions. Deliveries for both food and packages are anticipated to occur Monday through Saturday between 8 a.m. and 5 p.m. Similar to construction activity hours, the delivery sources will only be modeled during these days and hours using the EMISFACT HRDOW keyword. Similar to the on-road vehicle emissions during construction, operational on-road emissions were scaled by trip length within the modeling domain divided by total trip distance to determine the amount of emissions within the modeling domain of the proposed project.

Figure 10 shows the on-road vehicles routes modeled for project operation, which aligns with traffic turn data from Figure 4 of the Traffic Study Analysis Memo (Hexagon Transportation Consultants Inc. 2021). Figure 11 provides a close-up view of the on-road sources included in the modeling within SRC along with docking bay areas for deliveries. Source parameters are summarized in Appendix A.

Figure 9. Operations HRA Emergency Generator Emission Sources



Notes: Buildings within 1.5 times height of generators stacks included for modeling.

Table 6. Source Parameters for Emergency Generators

Generator Model ID	Existing/ Future	Stack Height (m)	Stack Orientation	Exhaust Temp (K) [5]	Exhaust Velocity (m/s) [5]	Stack Diameter (m) [5]
GENA[1]	Future	2.185[4]	Horizontal	739.8	45.3	0.183
GENB[2]	Future	2.697[4]	Horizontal	739.8	45.3	0.183
GENC[3]	Future	1.829[4]	Horizontal	739.8	45.3	0.183
GEN1	Existing	3.660[5]	Horizontal	739.8	45.3	0.183
GEN2	Existing	3.660[5]	Horizontal	739.8	45.3	0.183
GEN3	Existing	3.660[5]	Horizontal	739.8	45.3	0.183
GEN4	Existing	3.660[5]	Horizontal	739.8	45.3	0.183

Notes: m = meters; K = Kelvin; m/s = meters per second

[1] Building A generator

[2] Building B generator

[3] Building C generator

[4] Based on Project schematics

[5] SFDPH 2020

Figure 10. Operations HRA On-Road Emission Sources

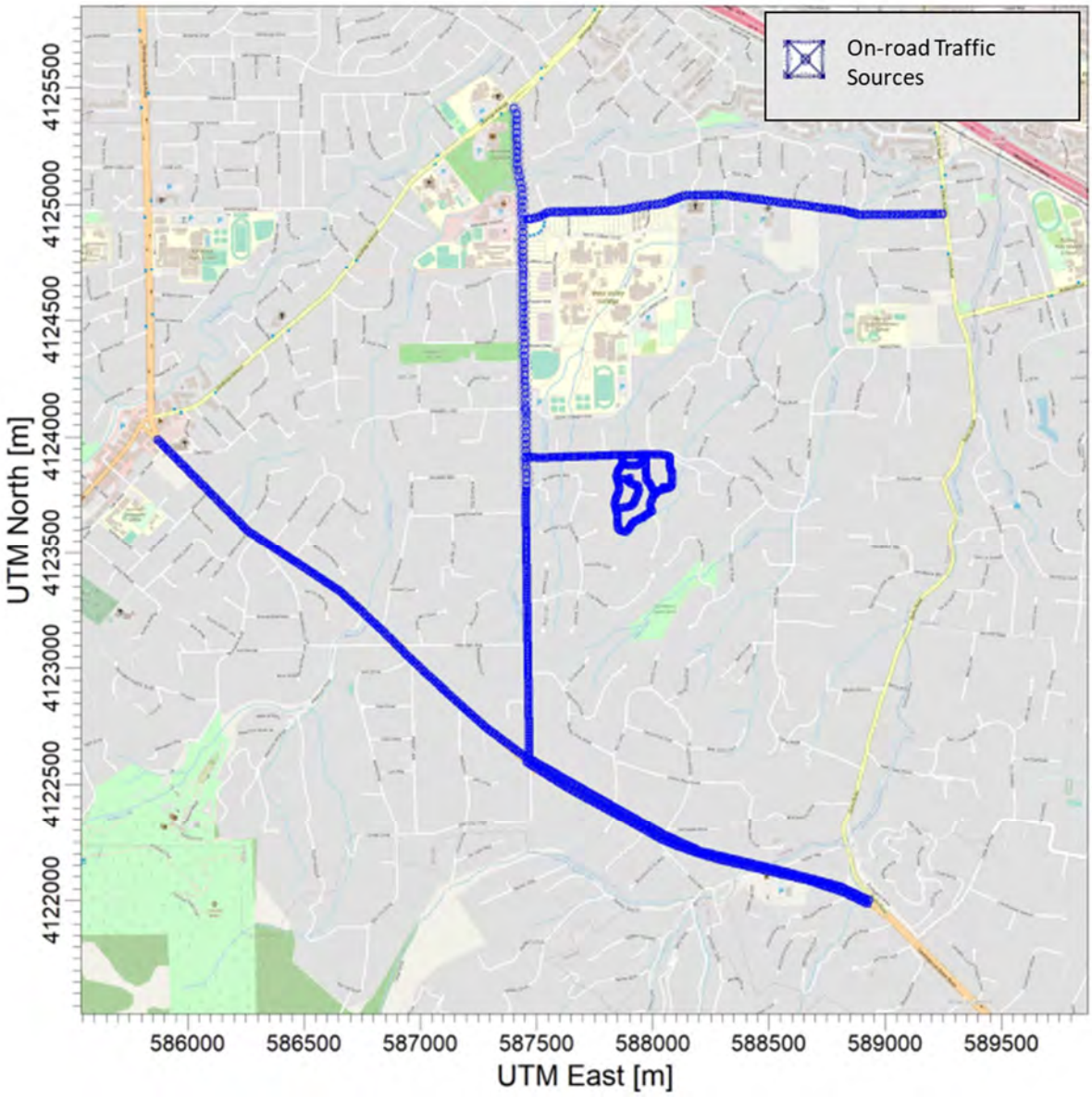
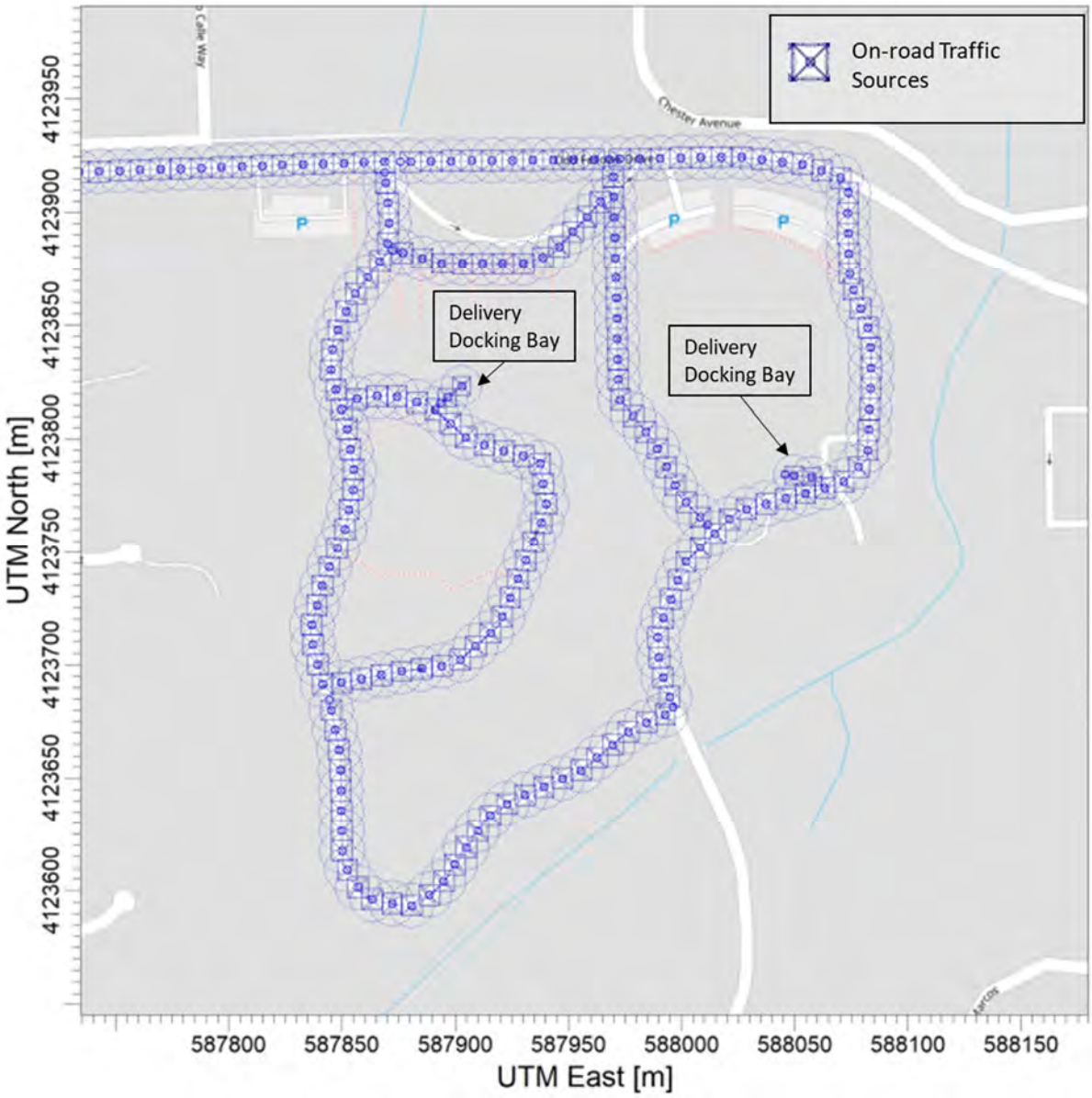


Figure 11. Operations HRA On-Road Emission Sources – Close up on Project Site



Notes: Delivery docking bays only used by delivery services. Both delivery and personal vehicles captured in all other on-road source symbols.

Health Risk Analysis Methodology

Pollutant Concentrations

AERMOD was run using unit emissions. Each source was modeled assuming emissions of 1 gram per second (g/s) for point sources, 1 g/s divided by the number of volume sources in a road segment, or 1 g/s divided by the area source in square meters. The unitized AERMOD results for each source are output in $\mu g/m^3$ per g/s $[(\mu g/m^3)(g/s)\text{-}1]$. Maximum hourly and period-average plot files generated by AERMOD as described above were input to HARP2 (Version 22118) (CARB 2021) with corresponding TAC emission rates for each phase and year of construction as well as the project operational emissions to calculate project concentration contributions. These concentrations were then used to estimate the long-term effects of TACs on nearby existing on- and off-site and future on-site sensitive receptors.

Receptor Exposure and Health Risk Characterization

Risk characterization integrates exposure information provided by the dispersion modeling with potential health effects associated with specific TACs; this step provides quantitative estimates of potential health risks associated with TACs that the potential on-site and off-site receptors of the proposed project would be exposed.

The HARP2 model was created by CARB and is used to estimate carcinogenic and noncarcinogenic health risks from projects. The HARP2 model uses the equations and algorithms contained in OEHHA's Air Toxics Hot Spots Program Risk Assessment Guidelines: Guidance Manual for Preparation of Health Risk Assessments (OEHHA 2015 Risk Assessment Guidelines) to calculate health risks based on input parameters such as emissions, "unit" ground-level concentrations, and toxicological data based on the OEHHA 2015 Risk Assessment Guidelines. These concentrations were then used to estimate the long-term effects of TACs on on-site and off-site receptor locations.

The assessment was performed in accordance with the OEHHA's 2015 Risk Assessment Guidelines, California Air Pollution Control Officers Association (CAPCOA) Guidance Document: Health Risk Assessments for Proposed Land Use Projects (CAPCOA 2009), and BAAQMD guidance. Based on the guidance above, the proposed project on/off-site sources assessed maximum cancer risk for the following exposure scenarios:

- **MEIR** – Maximally-exposed individual resident based on a 30-year lifetime exposure period. The MEIR assumes an exposure of 24 hours per day, and 350 days per year. The starting age varied for on-site and off-site receptors. For off-site receptors, the starting age used in the model was the 3rd trimester beginning with the first year of construction. For on-site receptors, the starting age was 55 years since all residents are seniors living at the SRC.

- **MEIW** – Maximally-exposed individual worker based on a 25-year lifetime exposure period. The MEIW assumes an exposure of 8 hours per day, 245 days per year, and a starting age of 16 years.

The greatest potential for TAC emissions during construction would be related to diesel PM emissions associated with heavy-duty equipment operations. According to OEHHA methodology, health effects from carcinogenic TACs are usually described in terms of individual cancer risk, which is based on a 30-year exposure duration (or residency time) to TACs as the basis for public notification and risk reduction audits and plans. However, the construction activities for the proposed project are anticipated to last approximately 25 months and would cease following completion. Therefore, the total exposure period for construction activities would be approximately seven percent of the total exposure period used for typical health risk calculations (i.e., 30 years).

Table 7 summarizes the HARP2 options selected for the HRA.

Table 7. Summary of HARP2 Options

Option	Cancer – Resident	Cancer – SRC Resident[1]	Cancer – Worker
Exposure Duration	30 years	30 years	25 years
Exposure Frequency (hours/day, days/year)	24,350	24,350	8,245
Start Age	3rd Trimester	55 years	16 years
Method	RMP using Derived Method	RMP using Derived Method	OEHHA Derived Method

[1] On-site SRC residences assume a starting age of 55 years.

In addition to cancer risk, non-cancer chronic (long-term) exposure to TACs was assessed. Since only DPM was assessed for construction and operational modeling, acute and 8-hour (short-term) exposures were not applicable for this analysis.

The general formula for calculating residential inhalation risk is as follows:

$$\mathbf{RISK_{inh\text{-}res} = DOSE_{air} \times CPF \times ASF \times ED/AT \times FAH}$$

Where:

$RISK_{inh\text{-}res}$ = Residential inhalation cancer risk
$DOSE_{air}$ = Daily inhalation dose (milligrams per kilogram [mg/kg]-day)
CPF = Inhalation cancer potency factor ($mg/kg\text{-}day^{-1}$)
ASF = Age sensitivity factor for a specified age group (unitless)
ED = Exposure duration (in years) for a specified age group
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

The inhalation risk was calculated in HARP2 using the OEHHA 2015–recommended default values for these parameters:

CPF = Substance-specific
ASF = 10 for third trimester to age 2, 3 for ages 2–16, 1 for ages 16–30
ED = 0.25 year for third trimester, 2 years for ages 0–2, 7 years for ages 2–9, 14 years for ages 2–16, 14 years for ages 16–30, 30 years for ages 55-84.
AT = 30 years
FAH = 1.0

The daily inhalation dose is defined as:

$$\mathbf{DOSE_{air} = C_{air} \times \{BR/BW\} \times A \times EF \times 10^{-6}}$$

Where:
$DOSE_{air}$ = Dose through inhalation (mg/kg-day)
C_{air} = Concentration in air ($\mu g/m^3$)
{BR/BW} = Daily breathing rate normalized to body weight (Liters per kilogram body weight - day)
A = Inhalation absorption factor (unitless)
EF = Exposure frequency (unitless), days/365 days
10^{-6} = Micrograms to milligrams conversion, liters to cubic meters conversion

The daily inhalation dose was calculated in HARP2 using OEHHA 2015–recommended default values for these parameters:

C_{air} = Concentration as calculated from AERMOD
{BR/BW} = OEHHA-derived method (i.e., 95th-percentile) estimates (361 for third trimester, 1,090 for ages 0–2, 745 for ages 2–16, 335 for ages 16–30)
A = 1
EF = 0.96 (350 days/365 days in a year for a resident)

Health Risk Analysis Results

Annual $PM_{2.5}$ concentrations were evaluated for each construction year of the proposed project and for a full year of operational emissions. Excess cancer and chronic non-cancer health risks were evaluated for the proposed project for the duration of construction and then for a 30-year (resident) and 25-year (worker) periods for operations. The results are presented in the following sections.

Construction

Annual $PM_{2.5}$ Concentrations

Results of the annual $PM_{2.5}$ modeling analysis using the unmitigated project construction emissions are summarized in Table 8. The maximum $PM_{2.5}$ concentrations occur on-site, within the SRC and are above the BAAQMD threshold for every year of

construction. Therefore, mitigation is needed to address the $PM_{2.5}$ exceedances during construction.

Table 8. Maximum Project Construction Conditions (Unmitigated) Modeled Annual $PM_{2.5}$ Concentrations

Construction Year	Maximum Annual $PM_{2.5}$ ($\mu g/m^3$)	BAAQMD Threshold ($\mu g/m^3$)	Exceeds Threshold?
2023[1]	0.67	0.3	Yes
2024[2]	4.81	0.3	Yes
2025[3]	0.93	0.3	Yes

Notes: BAAQMD = Bay Area Air Quality Management District; HRA = health risk assessment; UTM = Universal Transverse Mercator

1. Receptor location: X (UTM) = 588,058.72, Y (UTM) = 4,123,705.09.
2. Receptor location: X (UTM) = 588,038.72, Y (UTM) = 4,123,725.09.
3. Receptor location: X (UTM) = 588,078.72, Y (UTM) = 4,123,725.09.

Mitigation of project-source emissions included the following:

- Construction contractors shall use equipment that meets the U.S. EPA's Tier 4 Final emissions standards for off-road diesel-powered construction equipment with engines greater than 50 horsepower for all construction activities.

Since construction emissions resulted in an exceedance of the BAAQMD significance threshold for annual $PM_{2.5}$, a mitigated construction emissions scenario was conducted. Table 9 provides the mitigated construction-related $PM_{2.5}$ exhaust emissions for use in the mitigated health risk analysis.

Table 10 summarizes the results of the annual $PM_{2.5}$ modeling for each construction year using the mitigated $PM_{2.5}$ emissions summarized in Table 9. Through the implementation of the mitigated measure described above, annual $PM_{2.5}$ concentrations for each construction year are below the BAAQMD threshold.

Table 9. Construction-Related Mitigated $PM_{2.5}$ Exhaust Emissions

Year	$PM_{2.5}$ (tons)
2023	0.01
2024	0.03
2025	0.01

Source: *Estimated by AECOM in 2022.*

Table 10. Maximum Project Construction Conditions (Mitigated) Modeled Annual $PM_{2.5}$ Concentrations

Construction Year	Maximum Annual $PM_{2.5}$ ($\mu g/m^3$)	BAAQMD Threshold ($\mu g/m^3$)	Exceeds Threshold?
2023[1]	0.10	0.3	No
2024[2]	0.22	0.3	No
2025[3]	0.11	0.3	No

Notes: BAAQMD = Bay Area Air Quality Management District; HRA = health risk assessment; UTM = Universal Transverse Mercator

1. Receptor location: X (UTM) = 588,018.72, Y (UTM) = 4,123,725.09.
2. Receptor location: X (UTM) = 588,038.72, Y (UTM) = 4,123,725.09.
3. Receptor location: X (UTM) = 588,078.72, Y (UTM) = 4,123,725.09.

Health Risks

The maximum individual excess cancer risk is an estimate of the highest increased cancer risk an individual can expect from a multi-year exposure to emissions of toxic substances from proposed project construction activities. As shown in Table 11, both the MEIR (on- and off-site) and MEIW are below the BAAQMD CEQA threshold of 10 in-a-million for cancer risk exposure using unmitigated construction emissions (Table 3). The locations of the MEIR and MEIW are shown in Figure 11 for the unmitigated scenario.

Table 12 summarizes the chronic non-cancer risk for the duration of construction. The maximum chronic non-cancer risk value is 0.014 for the unmitigated scenario, which is well below the BAAQMD CEQA threshold of 1.0.

Since implementation of a mitigation measure was necessary to achieve less-than-significant impacts for annual $PM_{2.5}$, for completeness, health risks were calculated for this mitigated emission scenario.

Tables 13 and 14 provide the mitigated cancer risk and chronic non-cancer risks for the duration of construction, respectively. Both cancer and chronic non-cancer health risks are well below their respective thresholds. The locations of the MEIR and MEIW are shown in Figure 12 for the mitigated scenario. Figure 13 illustrates the contours of 0.25, 0.5, and 1.0 in-a-million for the mitigated construction scenario of the entire 27-month period.

Table 11. Project Construction (Unmitigated) Maximum Modeled Excess Cancer Risk Concentrations at Sensitive Receptors

Year	Duration	Cancer Risk – Onsite Residences (in a million)[1,4]	Cancer Risk – Offsite Residences (in a million)[2,5]	Cancer Risk – Worker (in a million)[3,6]
2023	0.5 year	0.03	1.61	0.10
2024	1 year	0.15	8.72	0.48
2025	0.8 year	0.20	2.99	0.62
Total Excess Cancer Risk	2.3 years[7]	0.39	13.32	1.20
BAAQMD Threshold	---	10	10	10
Exceeds Threshold?	---	No	No	No

Notes: BAAQMD = Bay Area Air Quality Management District; HRA = health risk assessment; UTM = Universal Transverse Mercator

1. *Receptor location: X (UTM) = 587,898.72, Y (UTM) = 4,123,825.09*
2. *Receptor location: X (UTM) = 588,138.72, Y (UTM) = 4,123,685.09.*
3. *Receptor location: X (UTM) = 587,898.72, Y (UTM) = 4,123,825.09.*
4. Starting age for off-site residences: 3rd trimester (2023), 0 year (2024), 1 year (2025).
5. Starting age for on-site residences: 55 for all years.
6. Starting age for workers: 16 years (2023), 16 years (2024), 17 years (2025).
7. Conservatively modeled a longer duration at 2.3 years (27 months) compared to the actual 26-months as 6 months is the shortest duration available in HARP.

Table 12. Project Construction (Unmitigated) Maximum Modeled Chronic Non-Cancer Risks within Modeling Domain

Year	Maximum Chronic Non-Cancer Risk[1]	BAAQMD Threshold	Exceeds Threshold?
2023	0.007	1.0	No
2024	0.012	1.0	No
2025	0.014	1.0	No

Notes: BAAQMD = Bay Area Air Quality Management District

[1] Maximum risk within entire modeling domain

Table 13. Project Construction (Mitigated) Maximum Modeled Excess Cancer Risk Concentrations at Sensitive Receptors

Year	Duration	Cancer Risk – Onsite Residences (in a million)[1,4]	Cancer Risk – Offsite Residences (in a million)[2,5]	Cancer Risk – Worker (in a million)[3,6]
2023	0.5 year	0.01	0.13	0.02
2024	1 year	0.03	0.89	0.08
2025	0.8 year	0.04	0.40	0.13
Total Excess Cancer Risk	2.3 years[7]	0.08	1.42	0.23
BAAQMD Threshold	---	10	10	10
Exceeds Threshold?	---	No	No	No

Notes: BAAQMD = Bay Area Air Quality Management District; HRA = health risk assessment; UTM = Universal Transverse Mercator

1. *Receptor location: X (UTM) = 587,898.72, Y (UTM) = 4,123,825.09*
2. *Receptor location: X (UTM) = 587,958.72, Y (UTM) = 4,123,945.09.*
3. *Receptor location: X (UTM) = 587,898.72, Y (UTM) = 4,123,825.09.*
4. Starting age for off-site residences: 3rd trimester (2022), 1 year (2023), 2 years (2024)
5. Starting age for on-site residences: 55 for all years.
6. Starting age for workers: 16 years (2022), 17 years (2023), 18 years (2024)
7. Conservatively modeled a longer duration at 2.3 years (27 months) compared to the actual 26-months as 6 months is the shortest duration available in HARP.

Table 14. Project Construction (Mitigated) Maximum Modeled Chronic Non-Cancer and within Modeling Domain

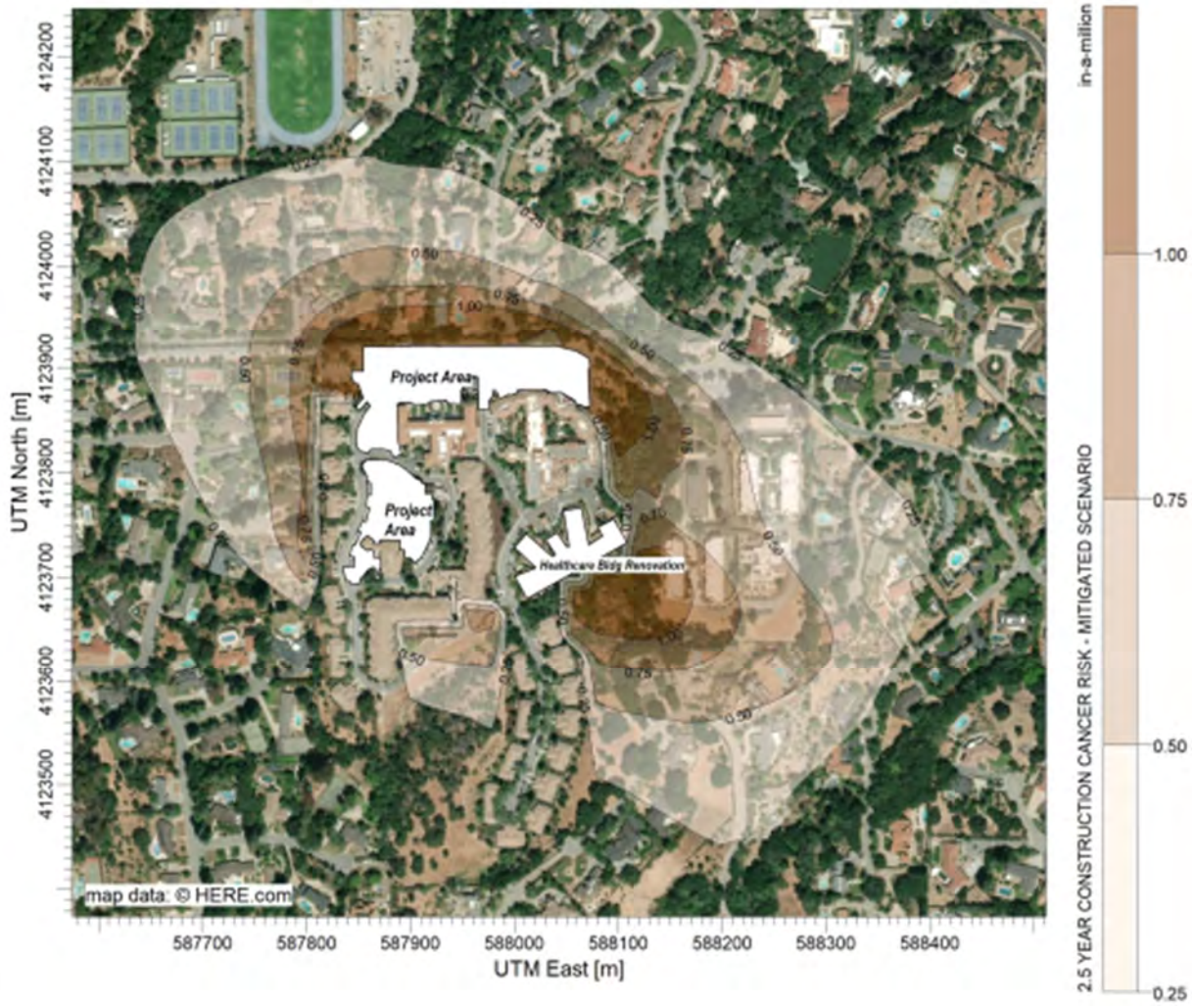
Year	Maximum Chronic Non-Cancer Risk[1]	BAAQMD Threshold	Exceeds Threshold?
2023	0.001	1.0	No
2024	0.002	1.0	No
2025	0.003	1.0	No

Notes: BAAQMD = Bay Area Air Quality Management District

[1] Maximum risk within entire modeling domain

Figure 12. Location of the MEIR and MEIW for Cancer Risk (Unmitigated and Mitigated Scenarios)

Figure 13. Contour Map of Cancer Risk for Mitigation Emission Scenario During Construction of the Proposed Project



Operations

As described previously, operational sources of TAC emissions include the existing and proposed emergency generators located around the premises of SRC and the net increase in traffic as a result of the proposed project.

Annual $PM_{2.5}$ Concentrations

Table 15 provides the maximum annual $PM_{2.5}$ concentrations associated with operations following the completion of the proposed project. As shown in Table 15, the maximum annual $PM_{2.5}$ concentrations for both on- and off-site receptors are below the BAAQMD threshold.

Table 15. Maximum Project Operational Conditions Modeled Annual $PM_{2.5}$ Concentrations

Scenario	Maximum Annual $PM_{2.5}$ ($\mu g/m^3$)	BAAQMD Threshold ($\mu g/m^3$)	Exceeds Threshold?
Operations – On-site[1]	0.033	0.3	No
Operations – Off-site[2]	0.012	0.3	No

Notes: BAAQMD = Bay Area Air Quality Management District; HRA = health risk assessment; UTM = Universal Transverse Mercator

1. Receptor location: X (UTM) = 587,918.72, Y (UTM) = 4,123,765.09.
2. Receptor location: X (UTM) = 587838.72, Y (UTM) = 4,123,945.09.

Health Risks

Excess cancer risk exposure was evaluated at the sensitive receptors within 1,000 feet of the proposed project for 30-year and 25-year periods. The 30-year period corresponds to residential exposure, while the 25-year period assesses worker exposure.

Table 16 presents the MEIR and MEIW for the operational scenario. Both the MEIR and MEIW are below the BAAQMD CEQA threshold of 10 in-a-million. Figure 14 shows the locations of the MEIR and MEIW for the 30-year and 25-year durations, respectively. Contour plots of the 30-year and 25-year cancer risk are shown in Figures 15 and 16, respectively.

Table 17 summarizes the chronic non-cancer chronic risks for the duration of proposed project operation. The maximum chronic non-cancer chronic risk value is 0.002, below the BAAQMD CEQA threshold of 1.0.

Table 16. Maximum Project Operational Conditions Modeled Cancer Risk

Scenario	Years of Age	Cancer Risk (in a million)	BAAQMD Threshold (in-a-million)	Exceeds Threshold?
Operations – On-site Residential[1]	55 to 85 (30 years)	0.88	10	No
Operations – Off-site Residential[2]	3rd Trimester to 30 (30 years)	1.93	10	No
Operations – Worker[3]	16 to 41 (25 years)	2.18	10	No

Notes: BAAQMD = Bay Area Air Quality Management District; HRA = health risk assessment; UTM = Universal Transverse Mercator

1. Receptor location: X (UTM) = 588,018.72, Y (UTM) = 4,123,825.09.
2. Receptor location: X (UTM) = 588,139.72, Y (UTM) = 4,123,725.09.
3. Receptor location: X (UTM) = 588,018.72, Y (UTM) = 4,123,825.09.

Table 17. Maximum Project Operational Conditions Modeled Non-Cancer Chronic Risk

Risk	Risk	BAAQMD Threshold	Exceeds Threshold?
Non-Cancer Chronic	0.0021	1	No

Notes: BAAQMD = Bay Area Air Quality Management District; HRA = health risk assessment; UTM = Universal Transverse Mercator

1. Receptor location: X (UTM) = 587,918.72, Y (UTM) = 4,123,765.09.

Figure 14. Location of the MEIR and MEIW for Cancer Risk (Operations)

Figure 15. Contour Map of Cancer Risk for 30-year Residential (Operations)

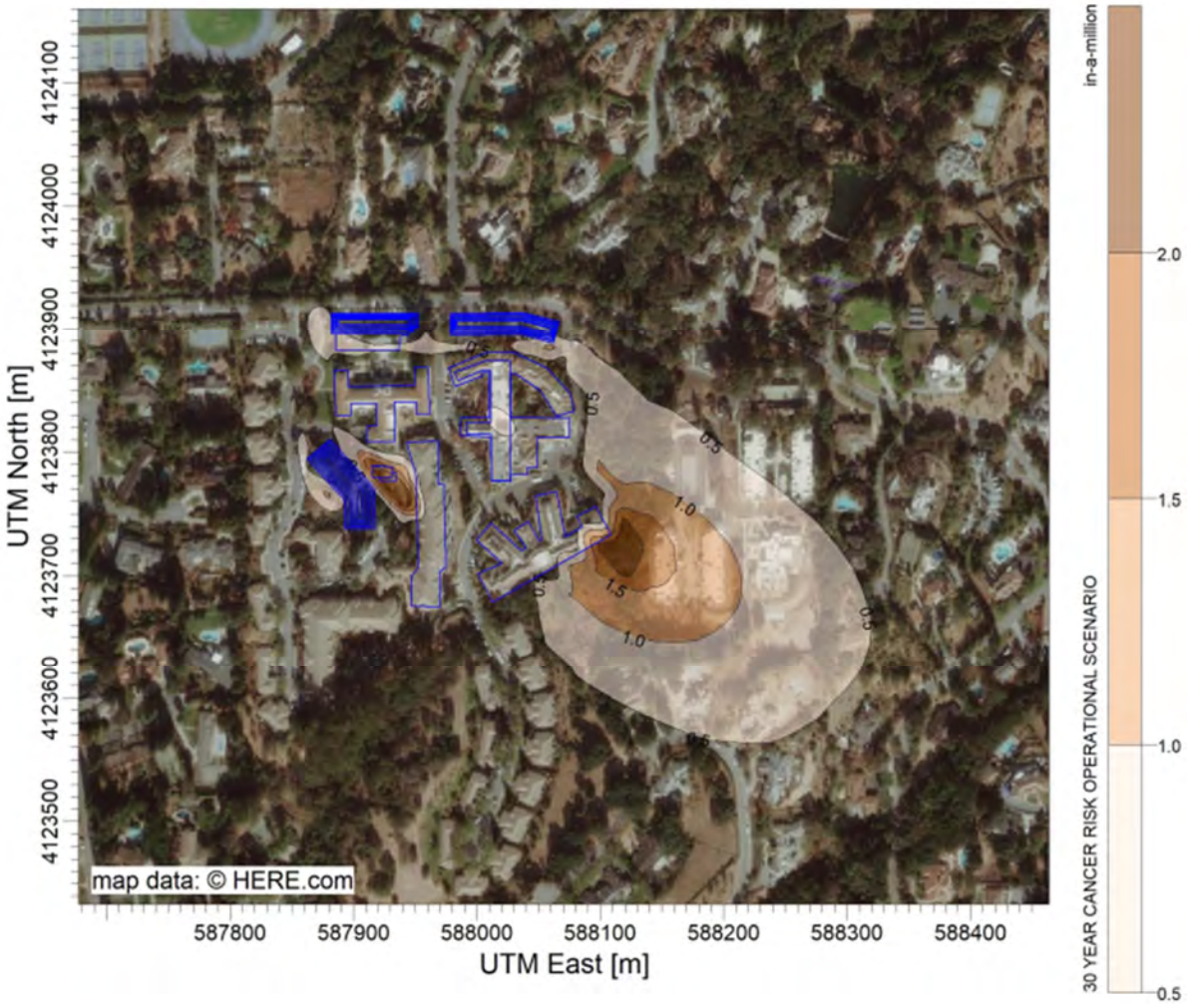
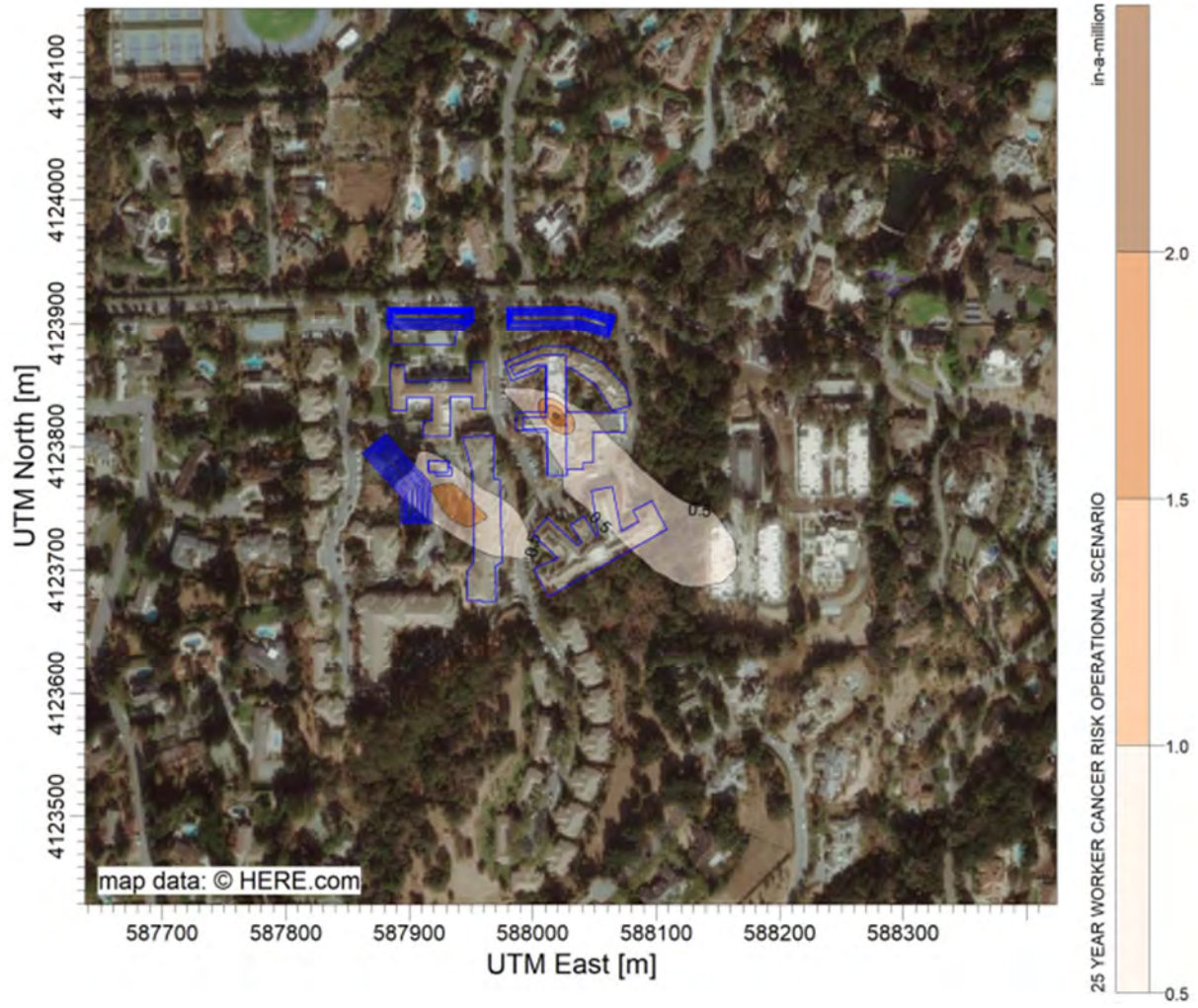


Figure 16. Contour Map of Cancer Risk for 25-year Worker (Operations)



Uncertainties

In accordance with risk assessment guidance, the following discussion summarizes the main uncertainties associated with the emissions estimation, air dispersion modeling, and risk estimation components of the Health Risk Assessment methodology.

Emission Estimates

Uncertainties exist in estimating emissions from construction equipment and on-road vehicles. For example, where project-specific data were not available, CalEEMod default values or conservative input assumptions were used. For example, the unmitigated emissions scenario utilized the default emission factors for the various construction equipment engines provided in CalEEMod based on the fleet average, which includes all tier engines, for each construction year of the analysis. As such, actual emissions will vary based on the specific tier of the engines used during construction. Similarly, emission factors for on-road and off-road vehicles and equipment used were based on construction occurring between 2023 and 2025; any construction in future years would result in fewer emissions for the same level of activity due to fleet turnover over time, in which older equipment and vehicles are replaced by those with new engines meeting more recent and more stringent emission standards.

Air Dispersion Modeling

In addition to the uncertainty associated with emission estimates, uncertainty exists regarding the pollutant concentrations estimated by the air dispersion model. The limitations of the air dispersion model provide a source of uncertainty in the estimation of exposure concentrations. According to the U.S. EPA Appendix W, errors attributable to the limitation of the algorithms implemented in the air dispersion model in the highest estimated concentrations of +/- 10 percent to 40 percent are typical (U.S. EPA 2017). The health risk methodologies use conservative assumptions and techniques to produce conservative results; thus, predicted exposure concentrations are likely to be at or above actual exposure concentrations.

The source parameters used to model emission sources add uncertainty. For all emission sources, source parameters were used that are either recommended as defaults or expected to produce more conservative (worst-case) results. Discrepancies might exist between the actual emissions characteristics of a source and its representation in the model; exposure concentrations used in this assessment represent approximate exposure concentrations.

Health Risk Analysis

Numerous assumptions must be made to estimate human exposure to pollutants. These assumptions include parameters such as breathing rates, exposure time and frequency, exposure duration, and human activity patterns. While a mean value derived from scientifically defensible studies is the best estimate of central tendency, most exposure variables used in this Health Risk Assessment are high-end estimates. For example, it is assumed that residential receptors would be exposed to project emissions during the entire construction duration. This assumption is conservative because some

residents may not remain in their homes for the entire duration of construction every day. The combination of several high-end estimates used as exposure parameters may substantially overestimate chemical intake. The excess lifetime cancer risks calculated in this assessment are therefore likely to be higher than may be required to be protective of public health. Generally, the concentrations and health risk decrease substantially as the distance between the source and receptor increases.

The OEHHA Cancer Potency Factor (CPF) for diesel PM is used to estimate cancer risks associated with exposure to diesel PM from project emissions. However, the CPF derived by OEHHA for diesel PM is highly uncertain in the estimation of both response and dose. In the past, because of inadequate animal test data and epidemiology data on diesel exhaust, the International Agency for Research on Cancer, a branch of the World Health Organization, had classified diesel PM as Probably Carcinogenic to Humans (Group 2); U.S. EPA had also concluded that the existing data did not provide an adequate basis for quantitative risk assessment (EPA 2002). However, based on two scientific studies (Benbrahim-Tallaa et al 2012; Attfield et al 2012), International Agency for Research on Cancer reclassified diesel PM as Carcinogenic to Humans (Group 1) (IARC 2012), which means that the agency has determined that there is “sufficient evidence of carcinogenicity” of a substance in humans and represents the strongest weight-of-evidence rating in International Agency for Research on Cancer’s carcinogen classification scheme. This determination by International Agency for Research on Cancer may provide additional impetus for the U.S. EPA to identify a quantitative dose/response relationship between exposure to diesel PM and cancer.

OEHHA notes that the conservative assumptions used in a risk assessment are intended to avoid underestimation of actual risks posed by a site and are designed to err on the side of health protection (OEHHA 2015). The estimated risks in this Health Risk Assessment are based primarily on a series of conservative assumptions related to predicted environmental concentrations, exposure, and chemical toxicity. The use of conservative assumptions tends to produce upper-bound estimates of risk. Although it is difficult to quantify the uncertainties associated with all the assumptions made in this risk assessment, the use of conservative assumptions is likely to result in substantial overestimates of exposure and, hence, risk.

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Appendix A

Model Inputs

Construction Volume Sources

Phase	Source IDs	No. of Vol	Ht. (m)	Sigma Y (m)	Sigma Z (m)
Utility (Phase 0)	CONST1-CONST187	187	5.00	2.326	1.400
Building A	CONST1-CONST50	50	5.00	2.326	1.400
Building B	CONST1-CONST62	62	5.00	2.326	1.400
Building C	CONST1-CONST51	51	5.00	2.326	1.400
Fitness Center	CONST1-CONST10	10	5.00	2.326	1.400
Meeting Hall	CONST1-CONST14	14	5.00	2.326	1.400

Generators

Generator Location	**Existing/Future**	**Fuel Type**	**Orientation**	**Size (KVA)**	**Model ID**	**Stack Ht (m)**	**Temp (K)**	**Vel (m/s)**	**Diameter (m)**
Building A	Future	Diesel	Horizontal	125	GENA	2.185	739.8	45.3	0.183
Building B	Future	Diesel	Horizontal	125	GENB	2.697	739.8	45.3	0.183
Building C	Future	Diesel	Horizontal	125	GENC	1.829	739.8	45.3	0.183
Assisted Living ONAN DGEA-4488100	Existing	Diesel	Horizontal	125	GEN1	3.660	783.706	45.3	0.183
Health Care ONAN DGFA-4493886	Existing	Diesel	Horizontal	185	GEN2	3.660	761.483	45.3	0.183
Independent Living ONAN NS743PG320	Existing	Diesel	Horizontal	218	GEN3	3.660	739.8	45.3	0.183
Independent Living ONAN NS743PG320	Existing	Diesel	Horizontal	218	GEN4	3.660	739.8	45.3	0.183

Construction Road Segments

Road	Road Width (ft)	Road Width (m)	Base Elevation	Source ID	Line Volume Src Type	Release Height (m)	Initial Lateral Dimension (m)	Initial Vertical Dimension (m)	# Volume Sources	Total Length (m)
Odd Fellows Dr East of Fruitvale Ave and West of West Cottages Ln	9.84	3.00	varies - AERMAP	OFD1	Adjacent	2.00	varies - based on plume width	2.30	45	401.1
West Cottages Ln from Odd Fellows Dr Looping Around Pavillion Cir	9.84	3.00	varies - AERMAP	WCLN	Adjacent	2.00	varies - based on plume width	2.30	55	495.7
Odd Fellows Dr East of West Cottages Ln and West of Colfax Ln	9.84	3.00	varies - AERMAP	OFD2	Adjacent	2.00	varies - based on plume width	2.30	10	88
Odd Fellows Dr East of Colfax Ln and West of McLaren Ln	9.84	3.00	varies - AERMAP	OFD3	Adjacent	2.00	varies - based on plume width	2.30	17	152.7
Fruitvale Ave South of Saratoga Ave and North of S College Cir	68.18	20.78	varies - AERMAP	FRUT	Adjacent	2.00	varies - based on plume width	2.30	49	1302.3
Saratoga Ave East of Fruitvale Ave and West of Route 85	77.10	23.50	varies - AERMAP	SARA	Adjacent	2.00	varies - based on plume width	2.30	31	911.6
Fruitvale Ave South of S College Cir and North of Odd Fellows Dr	68.18	20.78	varies - AERMAP	FRU2	Adjacent	2.00	varies - based on plume width	2.30	8	205.7
Off-Site Parking/Staging off S College Cir	20.67	6.30	varies - AERMAP	SCOL	Adjacent	2.00	varies - based on plume width	2.30	15	189.4
Staging Area Adjacent to Project Site off Odd Fellows Dr	19.69	6.00	varies - AERMAP	STAG	Adjacent	2.00	varies - based on plume width	2.30	5	55

Construction $PM_{2.5}$ Emissions (Unmitigated & Mitigated)

Source ID	2023 DPM (g/s per volume)	2024 DPM (g/s per volume)	2025 DPM (g/s per volume)
OFD1	5.83179E-09	1.65205E-08	6.26502E-09
WCLN	1.64220E-09	4.65210E-09	1.76420E-09
OFD2	3.20689E-09	9.08459E-09	3.44512E-09
OFD3	3.27334E-09	9.27284E-09	3.51651E-09
FRUT	2.67520E-08	7.57841E-08	2.87394E-08
SARA	2.95995E-08	8.38506E-08	3.17984E-08
FRU2	1.68231E-08	4.76571E-08	1.80729E-08
SCOL	1.27096E-08	3.60041E-08	1.36537E-08
STAG	7.19705E-09	2.03881E-08	7.73170E-09

Construction Emissions (Unmitigated) – HARP Input

Model ID	CAS No.	Pollutant	2023		2024		2025	
			lb/yr	lb/hr	lb/yr	lb/hr	lb/yr	lb/hr
UTIL	9901	DieselExhPM	1.41E+01	0.00E+00	-	0.00E+00	-	0.00E+00
CONST_A	9901	DieselExhPM	2.44E+01	0.00E+00	4.10E+01	0.00E+00	-	0.00E+00
CONST_B	9901	DieselExhPM	-	0.00E+00	5.34E+01	0.00E+00	2.56E+01	0.00E+00
CONST_C	9901	DieselExhPM	6.64E+00	0.00E+00	4.92E+01	0.00E+00	2.64E+01	0.00E+00
MEETING	9901	DieselExhPM	-	0.00E+00	4.56E+00	0.00E+00	4.30E+01	0.00E+00
FITNESS	9901	DieselExhPM	5.70E+00	0.00E+00	4.30E+01	0.00E+00	-	0.00E+00
OFD1	9901	DieselExhPM	1.82E-02	0.00E+00	5.17E-02	0.00E+00	1.96E-02	0.00E+00
WCLN	9901	DieselExhPM	6.28E-03	0.00E+00	1.78E-02	0.00E+00	6.75E-03	0.00E+00
OFD2	9901	DieselExhPM	2.23E-03	0.00E+00	6.32E-03	0.00E+00	2.40E-03	0.00E+00
OFD3	9901	DieselExhPM	3.87E-03	0.00E+00	1.10E-02	0.00E+00	4.16E-03	0.00E+00
FRUT	9901	DieselExhPM	9.11E-02	0.00E+00	2.58E-01	0.00E+00	9.79E-02	0.00E+00
SARA	9901	DieselExhPM	6.38E-02	0.00E+00	1.81E-01	0.00E+00	6.85E-02	0.00E+00
FRU2	9901	DieselExhPM	9.36E-03	0.00E+00	2.65E-02	0.00E+00	1.01E-02	0.00E+00
SCOL	9901	DieselExhPM	1.33E-02	0.00E+00	3.75E-02	0.00E+00	1.42E-02	0.00E+00
STAG	9901	DieselExhPM	2.50E-03	0.00E+00	7.09E-03	0.00E+00	2.69E-03	0.00E+00
PHASE4_A	9901	DieselExhPM	3.61E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PHASE4_B	9901	DieselExhPM	0.00E+00	0.00E+00	3.12E+01	0.00E+00	0.00E+00	0.00E+00
PHASE4_C	9901	DieselExhPM	0.00E+00	0.00E+00	3.12E+01	0.00E+00	0.00E+00	0.00E+00
PHASE4_D	9901	DieselExhPM	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E+01	0.00E+00

Construction Emissions (Mitigated) – HARP Input

Model ID	CAS No.	Pollutant	2022		2023		2024	
			lb/yr	lb/hr	lb/yr	lb/hr	lb/yr	lb/hr
UTIL	9901	DieselExhPM	5.72E+00	0.00E+00	-	0.00E+00	-	0.00E+00
CONST_A	9901	DieselExhPM	5.88E+00	0.00E+00	9.86E+00	0.00E+00	-	0.00E+00
CONST_B	9901	DieselExhPM	-	0.00E+00	1.26E+01	0.00E+00	6.28E+00	0.00E+00
CONST_C	9901	DieselExhPM	1.60E+00	0.00E+00	1.19E+01	0.00E+00	6.62E+00	0.00E+00
MEETING	9901	DieselExhPM	-	0.00E+00	9.20E-01	0.00E+00	9.22E+00	0.00E+00
FITNESS	9901	DieselExhPM	1.58E+00	0.00E+00	1.21E+01	0.00E+00	-	0.00E+00
OFD1	9901	DieselExhPM	1.82E-02	0.00E+00	5.20E-02	0.00E+00	1.96E-02	0.00E+00
WCLN	9901	DieselExhPM	6.28E-03	0.00E+00	1.79E-02	0.00E+00	6.75E-03	0.00E+00
OFD2	9901	DieselExhPM	2.23E-03	0.00E+00	6.35E-03	0.00E+00	2.40E-03	0.00E+00
OFD3	9901	DieselExhPM	3.87E-03	0.00E+00	1.10E-02	0.00E+00	4.16E-03	0.00E+00
FRUT	9901	DieselExhPM	9.11E-02	0.00E+00	2.60E-01	0.00E+00	9.79E-02	0.00E+00
SARA	9901	DieselExhPM	6.38E-02	0.00E+00	1.82E-01	0.00E+00	6.85E-02	0.00E+00
FRU2	9901	DieselExhPM	9.36E-03	0.00E+00	2.67E-02	0.00E+00	1.01E-02	0.00E+00
SCOL	9901	DieselExhPM	1.33E-02	0.00E+00	3.78E-02	0.00E+00	1.42E-02	0.00E+00
STAG	9901	DieselExhPM	2.50E-03	0.00E+00	7.13E-03	0.00E+00	2.69E-03	0.00E+00
PHASE4_A	9901	DieselExhPM	2.14E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PHASE4_B	9901	DieselExhPM	0.00E+00	0.00E+00	2.14E+00	0.00E+00	0.00E+00	0.00E+00
PHASE4_C	9901	DieselExhPM	0.00E+00	0.00E+00	2.14E+00	0.00E+00	0.00E+00	0.00E+00
PHASE4_D	9901	DieselExhPM	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E+00	0.00E+00

Operational Road Segments

Road	Road Width (m)	Base Elevation	SourceID	Line Volume Src Type	Release Height (m)	Initial Lateral Dimension (m)	Initial Vertical Dimension (m)	# Volume Sources	Total Length (m)
Odd Fellows Dr East of Fruitvale Ave and West of West Cottages Ln	3.00	varies - AERMAP	OFD1	Adjacent	2.00	varies - based on plume width	2.30	45	401.1
West Cottages Ln from Odd Fellows Dr Looping Around Pavillion Cir	3.00	varies - AERMAP	WCLN	Adjacent	2.00	varies - based on plume width	2.30	55	495.7
Odd Fellows Dr East of West Cottages Ln and West of Colfax Ln	3.00	varies - AERMAP	OFD2	Adjacent	2.00	varies - based on plume width	2.30	10	88
Odd Fellows Dr East of Colfax Ln and West of McLaren Ln	3.00	varies - AERMAP	OFD3	Adjacent	2.00	varies - based on plume width	2.30	17	152.7
Fruitvale Ave South of Saratoga Ave and North of S College Cir	20.78	varies - AERMAP	FRUT	Adjacent	2.00	varies - based on plume width	2.30	49	1302.3
Fruitvale Ave South of S College Cir and North of Odd Fellows Dr	20.78	varies - AERMAP	FRU2	Adjacent	2.00	varies - based on plume width	2.30	8	205.7
Allendale Ave East of Fruitvale and West of Quito Road	13.70	varies - AERMAP	ALLN	Adjacent	2.00	varies - based on plume width	2.30	92	1813.3
Eucalyptus Lane East of W Cottages Ln and McLaren Ln	3.00	varies - AERMAP	EUCA	Adjacent	2.00	varies - based on plume width	2.30	29	259.8
McLaren Ln East of Eucalyptus Ln and West of Odd Fellows Dr	3	varies - AERMAP	MCLA	Adjacent	2.00	varies - based on plume width	2.30	27	239.5
Cofax Ln South of Odd Fellows Dr and North of McLaren Ln	3.00	varies - AERMAP	COFX	Adjacent	2.00	varies - based on plume width	2.30	19	169
Fruitvale Ave South of Odd Fellows Dr and North of Burgundy Way	20.78	varies - AERMAP	FRU3	Adjacent	2.00	varies - based on plume width	2.30	5	145.7
Fruitvale Ave South of Burgundy Way and North of Saratoga-Los Gatos Road	8.00	varies - AERMAP	FRU4	Adjacent	2.00	varies - based on plume width	2.30	82	1151.1
Saratoga-Los Gatos Road West of Fruitvale Ave and East of Saratoga Ave	8.00	varies - AERMAP	LSG1	Adjacent	2.00	varies - based on plume width	2.30	151	2114.9

Saratoga-Los Gatos Road East of Fruitvale Ave and West of Quito Road (eastbound)	6.00	varies - AERMAP	LSG2	Adjacent	2.00	varies - based on plume width	2.30	134	1612.3
Saratoga-Los Gatos Road East of Fruitvale Ave and West of Quito Road (westbound)	6	varies - AERMAP	LSG3	Adjacent	2.00	varies - based on plume width	2.30	133	1597.7
Delivery Dock at Manor	2.00	varies - AERMAP	DEL1	Adjacent	2.00	varies - based on plume width	2.30	2	17.4
Delivery Dock at Assisted Living	2.00	varies - AERMAP	DEL2	Adjacent	2.00	varies - based on plume width	2.30	2	19.6
Entry Plaza Driveway East of W Cottages Ln and West of Cofax Ln	3.00	varies - AERMAP	ENT	Adjacent	2.00	varies - based on plume width	2.30	12	104.7

Operational Road $PM_{2.5}$ Emission Allocation

Road	SourceID	Length (m)	# of Vol	% Traffic	DPM (t/y)	Total PM2.5 (t/y)	DPM (lb/yr)	Total PM2.5 (g/s)
Odd Fellows Dr East of Fruitvale Ave and West of West Cottages Ln	OFD1	401.1	45	100%	3.52334E-05	0.001601203	7.05E-02	1.02358E-06
West Cottages Ln from Odd Fellows Dr Looping Around Pavillion Cir	WCLN	495.7	55	60%	2.6126E-05	0.001187309	5.23E-02	6.20998E-07
Odd Fellows Dr East of West Cottages Ln and West of Colfax Ln	OFD2	88	10	75%	5.79757E-06	0.000263474	1.16E-02	7.57925E-07
Odd Fellows Dr East of Colfax Ln and West of McLaren Ln	OFD3	152.7	17	40%	5.36539E-06	0.000243833	1.07E-02	4.12603E-07
Fruitvale Ave South of Saratoga Ave and North of S College Cir	FRUT	1302.3	49	60%	6.8638E-05	0.003119291	1.37E-01	1.83125E-06
Fruitvale Ave South of S College Cir and North of Odd Fellows Dr	FRU2	205.7	8	80%	1.44553E-05	0.000656928	2.89E-02	2.36220E-06
Allendale Ave East of Fruitvale and West of Quito Road	ALLN	1813.3	92	15%	2.38926E-05	0.001085812	4.78E-02	3.39512E-07
Eucalyptus Lane East of W Cottages Ln and McLaren Ln	EUCA	259.8	29	40%	9.12854E-06	0.000414852	1.83E-02	4.11513E-07
McLaren Ln East of Eucalyptus Ln and West of Odd Fellows Dr	MCLA	239.5	27	40%	8.41527E-06	0.000382436	1.68E-02	4.07459E-07
Cofax Ln South of Odd Fellows Dr and North of McLaren Ln	COFX	169	19	50%	7.42265E-06	0.000337326	1.48E-02	5.10723E-07
Fruitvale Ave South of Odd Fellows Dr and North of Burgundy Way	FRU3	145.7	5	60%	7.67915E-06	0.000348983	1.54E-02	2.00781E-06
Fruitvale Ave South of Burgundy Way and North of Saratoga-Los Gatos Road	FRU4	1151.1	82	60%	6.0669E-05	0.002757134	1.21E-01	9.67237E-07
Saratoga-Los Gatos Road West of Fruitvale Ave and East of Saratoga Ave	LSG1	2114.9	151	30%	5.57331E-05	0.002532822	1.11E-01	4.82521E-07
Saratoga-Los Gatos Road East of Fruitvale Ave and West of Quito Road (eastbound)	LSG2	1612.3	134	40%	5.66511E-05	0.002574539	1.13E-01	5.52692E-07
Saratoga-Los Gatos Road East of Fruitvale Ave and West of Quito Road (westbound)	LSG3	1597.7	133	40%	5.61381E-05	0.002551226	1.12E-01	5.51805E-07
Delivery Dock at Manor	DEL1	17.4	2	10%	1.52845E-07	6.94613E-06	3.06E-04	9.99083E-08
Delivery Dock at Assisted Living	DEL2	19.6	2	10%	1.7217E-07	7.82438E-06	3.44E-04	1.12540E-07
Entry Plaza Driveway East of W Cottages Ln and West of Cofax Ln	ENT	104.7	12	50%	4.59853E-06	0.000208983	9.20E-03	5.00977E-07

% allocation based on data provided in Traffic Study (Figure 4) - A-4 Odd Fellows Traffic Study Final 2021-1-22

Average Trip Distance from Emissions Calculations (mi)	7.15
Length of Roads within Modeling Domain (mi)	3.1377
% of Emissions within Modeling Domain	43.9%
NOx from Emissions Calculations (tons/yr)	0.0834
DPM from Emissions Calculations (tons/yr)	0.00101
Total PM2.5 from Emissions Calculations (tons/yr)	0.0459
NOx within Modeling Domain (tons/yr)	0.036619
DPM within Modeling Domain (tons/yr)	0.000443
Total PM2.5 within Modeling Domain (tons/yr)	0.020154

Longest Trip Calc	
Segment	Dist
LSG1	2114.9
FRU4	1151.1
FRU3	145.7
OFD1	401.1
WCLN	495.7
EUCA	259.8
MCLA	239.5
OFD2	88
OFD3	152.7
Total Dist (m)	5048.5
Total Dist (mi)	3.137663

Average Trip Distance Calculation	% of trips	Miles
Trips A	31%	10.8
Trips B	15%	4.8
Trips C	54%	5.7
Total	1	21.3
Avg. Trip Distance	7.15	

Operational Emissions – Annual $PM_{2.5}$ Emergency Generators

Equipment Type	$PM_{2.5}$ Exhaust (lb/yr)	Annual $PM_{2.5}$ Exhaust (g/s)
GENA	2.61E-01	3.75763E-06
GENB	2.61E-01	3.75763E-06
GENC	2.61E-01	3.75763E-06
GEN1	3.64E+00	5.24013E-05
GEN2	1.95E+00	2.81077E-05
GEN3	9.55E-01	1.37370E-05
GEN4	9.55E-01	1.37370E-05

Operational Emissions – HARP Input

Source	CAS No.	Pollutant	lb/yr	lb/hr
GENA	9901	DieselExhPM	2.61E-01	0.00E+00
GENB	9901	DieselExhPM	2.61E-01	0.00E+00
GENC	9901	DieselExhPM	2.61E-01	0.00E+00
GEN1	9901	DieselExhPM	2.28E+01	0.00E+00
GEN2	9901	DieselExhPM	1.22E+01	0.00E+00
GEN3	9901	DieselExhPM	5.97E+00	0.00E+00
GEN4	9901	DieselExhPM	5.97E+00	0.00E+00
OFD1	9901	DieselExhPM	7.05E-02	0.00E+00
WCLN	9901	DieselExhPM	5.23E-02	0.00E+00
OFD2	9901	DieselExhPM	1.16E-02	0.00E+00
OFD3	9901	DieselExhPM	1.07E-02	0.00E+00
FRUT	9901	DieselExhPM	1.37E-01	0.00E+00
FRU2	9901	DieselExhPM	2.89E-02	0.00E+00
ALLN	9901	DieselExhPM	4.78E-02	0.00E+00
EUCA	9901	DieselExhPM	1.83E-02	0.00E+00
MCLA	9901	DieselExhPM	1.68E-02	0.00E+00
COFX	9901	DieselExhPM	1.48E-02	0.00E+00
FRU3	9901	DieselExhPM	1.54E-02	0.00E+00
FRU4	9901	DieselExhPM	1.21E-01	0.00E+00
LSG1	9901	DieselExhPM	1.11E-01	0.00E+00
LSG2	9901	DieselExhPM	1.13E-01	0.00E+00
LSG3	9901	DieselExhPM	1.12E-01	0.00E+00
DEL1	9901	DieselExhPM	3.06E-04	0.00E+00
DEL2	9901	DieselExhPM	3.44E-04	0.00E+00
ENT	9901	DieselExhPM	9.20E-03	0.00E+00

CalEEMod Inputs, Assumptions, and Outputs

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

Saratoga Retirement Community Expansion - Construction

Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Place of Worship	4.79	1000sqft	0.11	4,792.00	0
Enclosed Parking with Elevator	34.00	Space	0.00	16,879.00	0
Enclosed Parking with Elevator	64.00	Space	0.00	31,710.00	0
Enclosed Parking with Elevator	77.00	Space	0.00	25,899.00	0
Enclosed Parking with Elevator	7.04	1000sqft	0.00	7,043.00	0
Other Asphalt Surfaces	25.12	1000sqft	0.58	25,118.00	0
Other Non-Asphalt Surfaces	74.60	1000sqft	1.71	74,596.00	0
Health Club	1.06	1000sqft	0.02	1,065.00	0
Retirement Community	22.00	Dwelling Unit	0.41	35,898.00	63
Retirement Community	10.00	Dwelling Unit	0.57	28,475.00	29
Retirement Community	20.00	Dwelling Unit	0.42	41,715.00	57

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2026
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Project specific land uses and square footage. Place of worship to represent meeting room addition. Health club to represent fitness center.

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

Construction Phase - Project specific construction schedule.

Off-road Equipment - Project specific equipment for Phase 0.

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Project specific equipment for Phase 1 Building A. Hours account for total hours over phase.

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Project specific equipment for Phase 1 Fitness. Hours account for total hours over phase.

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Project specific equipment for Phase 2 Building B. Hours account for total hours over phase.

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Project specific equipment for Phase 3 Building C. Hours account for total hours over phase.

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Project specific equipment for Phase 3 Meeting Hall. Hours account for total hours over phase.

Trips and VMT - Project specific vehicle trips.

Grading - Estimated material export quantities by phase.

Vehicle Trips - Operational emissions estimated in separate run.

Woodstoves - Operational emissions estimated in separate run.

Consumer Products - Operational emissions estimated in separate run.

Area Coating - Operational emissions estimated in separate run.

Energy Use - Operational emissions estimated in separate run.

Water And Wastewater - Operational emissions estimated in separate run.

Solid Waste - Operational emissions estimated in separate run.

Construction Off-road Equipment Mitigation - Assumes implementation of BAAQMD Fugitive Dust Control and accounts for anticipated electrical equipment.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	2929	0
tblAreaCoating	Area_Nonresidential_Interior	8786	0
tblAreaCoating	Area_Parking	10875	0
tblAreaCoating	Area_Residential_Exterior	71609	0
tblAreaCoating	Area_Residential_Interior	214828	0
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstructionPhase	NumDays	18.00	41.00
tblConstructionPhase	NumDays	18.00	112.00
tblConstructionPhase	NumDays	18.00	130.00
tblConstructionPhase	NumDays	18.00	95.00
tblConstructionPhase	NumDays	18.00	40.00
tblConstructionPhase	NumDays	230.00	135.00

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

tblConstructionPhase	NumDays	230.00	47.00
tblConstructionPhase	NumDays	230.00	368.00
tblConstructionPhase	NumDays	230.00	139.00
tblConstructionPhase	NumDays	230.00	77.00
tblConstructionPhase	NumDays	230.00	51.00
tblConstructionPhase	NumDays	230.00	176.00
tblConstructionPhase	NumDays	230.00	52.00
tblConstructionPhase	NumDays	230.00	27.00
tblConstructionPhase	NumDays	230.00	370.00
tblConstructionPhase	NumDays	230.00	92.00
tblConstructionPhase	NumDays	230.00	454.00
tblConstructionPhase	NumDays	230.00	78.00
tblConstructionPhase	NumDays	230.00	161.00
tblConstructionPhase	NumDays	230.00	36.00
tblConstructionPhase	NumDays	8.00	32.00
tblConstructionPhase	NumDays	8.00	20.00
tblConstructionPhase	NumDays	8.00	21.00
tblConstructionPhase	NumDays	8.00	41.00
tblConstructionPhase	NumDays	18.00	68.00
tblConstructionPhase	NumDays	18.00	37.00
tblConstructionPhase	NumDays	18.00	71.00
tblConstructionPhase	NumDays	18.00	51.00
tblConstructionPhase	NumDays	18.00	36.00
tblConstructionPhase	NumDays	5.00	97.00
tblConstructionPhase	PhaseEndDate	4/10/2037	7/19/2024
tblConstructionPhase	PhaseEndDate	5/6/2037	12/2/2024
tblConstructionPhase	PhaseEndDate	6/1/2037	8/13/2025
tblConstructionPhase	PhaseEndDate	6/25/2037	7/2/2025
tblConstructionPhase	PhaseEndDate	7/21/2037	8/14/2025

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

tblConstructionPhase	PhaseEndDate	10/23/2029	7/18/2024
tblConstructionPhase	PhaseEndDate	9/10/2030	4/1/2024
tblConstructionPhase	PhaseEndDate	7/29/2031	7/1/2025
tblConstructionPhase	PhaseEndDate	6/15/2032	9/30/2024
tblConstructionPhase	PhaseEndDate	5/3/2033	11/4/2024
tblConstructionPhase	PhaseEndDate	3/21/2034	12/10/2024
tblConstructionPhase	PhaseEndDate	2/6/2035	8/13/2025
tblConstructionPhase	PhaseEndDate	12/25/2035	3/24/2025
tblConstructionPhase	PhaseEndDate	11/11/2036	4/29/2025
tblConstructionPhase	PhaseEndDate	7/9/2024	11/29/2024
tblConstructionPhase	PhaseEndDate	5/27/2025	12/6/2023
tblConstructionPhase	PhaseEndDate	4/14/2026	8/12/2025
tblConstructionPhase	PhaseEndDate	3/2/2027	3/25/2024
tblConstructionPhase	PhaseEndDate	1/18/2028	7/18/2024
tblConstructionPhase	PhaseEndDate	12/5/2028	1/25/2024
tblConstructionPhase	PhaseEndDate	8/10/2023	3/18/2024
tblConstructionPhase	PhaseEndDate	7/19/2023	7/28/2023
tblConstructionPhase	PhaseEndDate	8/22/2023	1/8/2025
tblConstructionPhase	PhaseEndDate	7/31/2023	1/11/2024
tblConstructionPhase	PhaseEndDate	12/5/2036	6/27/2024
tblConstructionPhase	PhaseEndDate	12/31/2036	5/23/2024
tblConstructionPhase	PhaseEndDate	1/26/2037	2/12/2025
tblConstructionPhase	PhaseEndDate	2/19/2037	2/19/2025
tblConstructionPhase	PhaseEndDate	3/17/2037	6/19/2025
tblConstructionPhase	PhaseEndDate	7/7/2023	11/14/2023
tblConstructionPhase	PhaseStartDate	3/18/2037	5/24/2024
tblConstructionPhase	PhaseStartDate	4/11/2037	6/28/2024
tblConstructionPhase	PhaseStartDate	5/7/2037	2/13/2025
tblConstructionPhase	PhaseStartDate	6/2/2037	2/20/2025

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

tblConstructionPhase	PhaseStartDate	6/26/2037	6/20/2025
tblConstructionPhase	PhaseStartDate	12/6/2028	1/12/2024
tblConstructionPhase	PhaseStartDate	10/24/2029	1/26/2024
tblConstructionPhase	PhaseStartDate	9/11/2030	2/2/2024
tblConstructionPhase	PhaseStartDate	7/30/2031	3/20/2024
tblConstructionPhase	PhaseStartDate	6/16/2032	7/19/2024
tblConstructionPhase	PhaseStartDate	5/4/2033	10/1/2024
tblConstructionPhase	PhaseStartDate	3/22/2034	12/11/2024
tblConstructionPhase	PhaseStartDate	2/7/2035	1/10/2025
tblConstructionPhase	PhaseStartDate	12/26/2035	3/23/2025
tblConstructionPhase	PhaseStartDate	8/23/2023	7/3/2023
tblConstructionPhase	PhaseStartDate	7/10/2024	8/1/2023
tblConstructionPhase	PhaseStartDate	5/28/2025	11/16/2023
tblConstructionPhase	PhaseStartDate	4/15/2026	12/7/2023
tblConstructionPhase	PhaseStartDate	3/3/2027	12/7/2023
tblConstructionPhase	PhaseStartDate	1/19/2028	12/7/2023
tblConstructionPhase	PhaseStartDate	8/1/2023	2/2/2024
tblConstructionPhase	PhaseStartDate	7/8/2023	7/3/2023
tblConstructionPhase	PhaseStartDate	8/11/2023	12/11/2024
tblConstructionPhase	PhaseStartDate	7/20/2023	11/16/2023
tblConstructionPhase	PhaseStartDate	11/12/2036	3/26/2024
tblConstructionPhase	PhaseStartDate	12/6/2036	4/3/2024
tblConstructionPhase	PhaseStartDate	1/1/2037	11/6/2024
tblConstructionPhase	PhaseStartDate	1/27/2037	12/11/2024
tblConstructionPhase	PhaseStartDate	2/20/2037	5/1/2025
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	LightingElect	3.08	0.00
tblEnergyUse	LightingElect	3.08	0.00
tblEnergyUse	LightingElect	1,001.10	0.00

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

tblEnergyUse	NT24E	0.19	0.00
tblEnergyUse	NT24E	3.70	0.00
tblEnergyUse	NT24E	3.70	0.00
tblEnergyUse	NT24E	3,172.76	0.00
tblEnergyUse	NT24NG	6.67	0.00
tblEnergyUse	NT24NG	6.67	0.00
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	T24E	3.50	0.00
tblEnergyUse	T24E	1.32	0.00
tblEnergyUse	T24E	1.32	0.00
tblEnergyUse	T24E	77.89	0.00
tblEnergyUse	T24NG	19.51	0.00
tblEnergyUse	T24NG	19.51	0.00
tblEnergyUse	T24NG	6,712.79	0.00
tblFireplaces	NumberGas	7.80	0.00
tblFireplaces	NumberWood	8.84	0.00
tblGrading	AcresOfGrading	0.00	32.00
tblGrading	AcresOfGrading	0.00	8.00
tblGrading	AcresOfGrading	0.00	21.00
tblGrading	AcresOfGrading	0.00	41.00
tblGrading	AcresOfGrading	2.43	7.50
tblGrading	MaterialExported	0.00	17,778.00
tblGrading	MaterialExported	0.00	10,842.00
tblGrading	MaterialExported	0.00	8,491.00
tblLandUse	LandUseSquareFeet	4,790.00	4,792.00
tblLandUse	LandUseSquareFeet	7,040.00	7,043.00
tblLandUse	LandUseSquareFeet	13,600.00	16,879.00
tblLandUse	LandUseSquareFeet	25,600.00	31,710.00
tblLandUse	LandUseSquareFeet	30,800.00	25,899.00

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

tblLandUse	LandUseSquareFeet	25,120.00	25,118.00
tblLandUse	LandUseSquareFeet	74,600.00	74,596.00
tblLandUse	LandUseSquareFeet	1,060.00	1,065.00
tblLandUse	LandUseSquareFeet	10,000.00	28,475.00
tblLandUse	LandUseSquareFeet	20,000.00	41,715.00
tblLandUse	LandUseSquareFeet	22,000.00	35,898.00
tblLandUse	LotAcreage	0.16	0.00
tblLandUse	LotAcreage	0.31	0.00
tblLandUse	LotAcreage	0.58	0.00
tblLandUse	LotAcreage	0.69	0.00
tblLandUse	LotAcreage	2.00	0.57
tblLandUse	LotAcreage	4.00	0.42
tblLandUse	LotAcreage	4.40	0.41
tblOffRoadEquipment	HorsePower	231.00	408.00
tblOffRoadEquipment	HorsePower	231.00	408.00
tblOffRoadEquipment	HorsePower	231.00	408.00
tblOffRoadEquipment	HorsePower	231.00	408.00
tblOffRoadEquipment	HorsePower	231.00	408.00
tblOffRoadEquipment	HorsePower	89.00	110.00
tblOffRoadEquipment	HorsePower	89.00	110.00
tblOffRoadEquipment	HorsePower	89.00	110.00
tblOffRoadEquipment	HorsePower	89.00	110.00
tblOffRoadEquipment	HorsePower	89.00	110.00
tblOffRoadEquipment	HorsePower	84.00	40.20
tblOffRoadEquipment	HorsePower	84.00	40.20
tblOffRoadEquipment	HorsePower	84.00	40.20
tblOffRoadEquipment	HorsePower	84.00	40.20
tblOffRoadEquipment	HorsePower	84.00	40.20
tblOffRoadEquipment	HorsePower	46.00	24.20

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

tblOffRoadEquipment	HorsePower	46.00	24.20
tblOffRoadEquipment	HorsePower	46.00	24.20
tblOffRoadEquipment	HorsePower	46.00	24.20
tblOffRoadEquipment	HorsePower	46.00	24.20
tblOffRoadEquipment	HorsePower	78.00	49.00
tblOffRoadEquipment	HorsePower	78.00	49.00
tblOffRoadEquipment	HorsePower	78.00	49.00
tblOffRoadEquipment	HorsePower	78.00	49.00
tblOffRoadEquipment	HorsePower	78.00	49.00
tblOffRoadEquipment	HorsePower	221.00	100.00
tblOffRoadEquipment	HorsePower	221.00	100.00
tblOffRoadEquipment	HorsePower	221.00	100.00
tblOffRoadEquipment	HorsePower	221.00	100.00
tblOffRoadEquipment	HorsePower	158.00	273.00
tblOffRoadEquipment	HorsePower	158.00	273.00
tblOffRoadEquipment	HorsePower	158.00	273.00
tblOffRoadEquipment	HorsePower	158.00	273.00
tblOffRoadEquipment	HorsePower	158.00	273.00
tblOffRoadEquipment	HorsePower	158.00	273.00
tblOffRoadEquipment	HorsePower	84.00	40.20
tblOffRoadEquipment	HorsePower	172.00	157.00
tblOffRoadEquipment	HorsePower	172.00	157.00
tblOffRoadEquipment	HorsePower	172.00	157.00
tblOffRoadEquipment	HorsePower	172.00	157.00
tblOffRoadEquipment	HorsePower	172.00	157.00
tblOffRoadEquipment	HorsePower	172.00	157.00
tblOffRoadEquipment	HorsePower	130.00	74.80
tblOffRoadEquipment	HorsePower	130.00	74.80
tblOffRoadEquipment	HorsePower	130.00	74.80

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

tblOffRoadEquipment	HorsePower	130.00	74.80
tblOffRoadEquipment	HorsePower	130.00	74.80
tblOffRoadEquipment	HorsePower	130.00	74.80
tblOffRoadEquipment	HorsePower	132.00	74.00
tblOffRoadEquipment	HorsePower	132.00	74.00
tblOffRoadEquipment	HorsePower	132.00	74.00
tblOffRoadEquipment	HorsePower	132.00	74.00
tblOffRoadEquipment	HorsePower	132.00	74.00
tblOffRoadEquipment	HorsePower	132.00	74.00
tblOffRoadEquipment	HorsePower	8.00	9.00
tblOffRoadEquipment	HorsePower	80.00	74.00
tblOffRoadEquipment	HorsePower	80.00	74.00
tblOffRoadEquipment	HorsePower	80.00	74.00
tblOffRoadEquipment	HorsePower	80.00	74.00
tblOffRoadEquipment	HorsePower	80.00	74.00
tblOffRoadEquipment	HorsePower	247.00	215.00
tblOffRoadEquipment	HorsePower	247.00	215.00
tblOffRoadEquipment	HorsePower	247.00	215.00
tblOffRoadEquipment	HorsePower	247.00	215.00
tblOffRoadEquipment	HorsePower	247.00	215.00
tblOffRoadEquipment	HorsePower	65.00	74.30
tblOffRoadEquipment	HorsePower	65.00	74.30
tblOffRoadEquipment	HorsePower	65.00	74.30
tblOffRoadEquipment	HorsePower	65.00	74.30
tblOffRoadEquipment	HorsePower	65.00	74.30
tblOffRoadEquipment	HorsePower	65.00	74.30
tblOffRoadEquipment	HorsePower	64.00	99.00
tblOffRoadEquipment	HorsePower	64.00	99.00
tblOffRoadEquipment	HorsePower	64.00	99.00

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

tblOffRoadEquipment	HorsePower	64.00	99.00
tblOffRoadEquipment	HorsePower	64.00	99.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		P.2 Build B Overall
tblOffRoadEquipment	PhaseName		P.3 Meeting Hall Overall
tblOffRoadEquipment	PhaseName		P.1 Build A Overall
tblOffRoadEquipment	PhaseName		P.3 Build C Overall
tblOffRoadEquipment	PhaseName		P.1 Fitness Overall
tblOffRoadEquipment	PhaseName		P.2 Build B Overall
tblOffRoadEquipment	PhaseName		P.3 Meeting Hall Overall
tblOffRoadEquipment	PhaseName		P.1 Build A Overall
tblOffRoadEquipment	PhaseName		P.3 Build C Overall
tblOffRoadEquipment	PhaseName		P.1 Fitness Overall
tblOffRoadEquipment	PhaseName		P.2 Build B Overall
tblOffRoadEquipment	PhaseName		P.3 Meeting Hall Overall
tblOffRoadEquipment	PhaseName		P.1 Build A Overall
tblOffRoadEquipment	PhaseName		P.3 Build C Overall
tblOffRoadEquipment	PhaseName		P.0 Utility Relocation Prep Roadway
tblOffRoadEquipment	PhaseName		P.2 Build B Overall
tblOffRoadEquipment	PhaseName		P.3 Meeting Hall Overall
tblOffRoadEquipment	PhaseName		P.1 Build A Overall
tblOffRoadEquipment	PhaseName		P.3 Build C Overall
tblOffRoadEquipment	PhaseName		P.1 Fitness Overall
tblOffRoadEquipment	PhaseName		P.0 Utility Relocation Prep Roadway
tblOffRoadEquipment	PhaseName		P.2 Build B Overall
tblOffRoadEquipment	PhaseName		P.3 Meeting Hall Overall
tblOffRoadEquipment	PhaseName		P.1 Build A Overall
tblOffRoadEquipment	PhaseName		P.3 Build C Overall

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

tblOffRoadEquipment	PhaseName		P.1 Fitness Overall
tblOffRoadEquipment	PhaseName		P.0 Utility Relocation Prep Roadway
tblOffRoadEquipment	PhaseName		P.0 Utility Relocation Prep Roadway
tblOffRoadEquipment	PhaseName		P.0 Utility Relocation Prep Roadway
tblOffRoadEquipment	PhaseName		P.2 Build B Overall
tblOffRoadEquipment	PhaseName		P.3 Meeting Hall Overall
tblOffRoadEquipment	PhaseName		P.1 Build A Overall
tblOffRoadEquipment	PhaseName		P.3 Build C Overall
tblOffRoadEquipment	PhaseName		P.1 Fitness Overall
tblOffRoadEquipment	PhaseName		P.0 Utility Relocation Prep Roadway
tblOffRoadEquipment	PhaseName		P.2 Build B Overall
tblOffRoadEquipment	PhaseName		P.3 Meeting Hall Overall
tblOffRoadEquipment	PhaseName		P.1 Build A Overall
tblOffRoadEquipment	PhaseName		P.3 Build C Overall
tblOffRoadEquipment	PhaseName		P.1 Fitness Overall
tblOffRoadEquipment	PhaseName		P.0 Utility Relocation Prep Roadway
tblOffRoadEquipment	PhaseName		P.2 Build B Overall
tblOffRoadEquipment	PhaseName		P.3 Meeting Hall Overall
tblOffRoadEquipment	PhaseName		P.1 Build A Overall
tblOffRoadEquipment	PhaseName		P.3 Build C Overall
tblOffRoadEquipment	PhaseName		P.1 Fitness Overall
tblOffRoadEquipment	PhaseName		P.0 Utility Relocation Prep Roadway
tblOffRoadEquipment	PhaseName		P.2 Build B Overall
tblOffRoadEquipment	PhaseName		P.3 Meeting Hall Overall
tblOffRoadEquipment	PhaseName		P.1 Build A Overall
tblOffRoadEquipment	PhaseName		P.3 Build C Overall
tblOffRoadEquipment	PhaseName		P.1 Fitness Overall
tblOffRoadEquipment	PhaseName		P.2 Build B Overall
tblOffRoadEquipment	PhaseName		P.3 Meeting Hall Overall

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

tblOffRoadEquipment	PhaseName		P.1 Build A Overall
tblOffRoadEquipment	PhaseName		P.3 Build C Overall
tblOffRoadEquipment	PhaseName		P.1 Fitness Overall
tblOffRoadEquipment	PhaseName		P.0 Utility Relocation Prep Roadway
tblOffRoadEquipment	PhaseName		P.2 Build B Overall
tblOffRoadEquipment	PhaseName		P.3 Meeting Hall Overall
tblOffRoadEquipment	PhaseName		P.1 Build A Overall
tblOffRoadEquipment	PhaseName		P.3 Build C Overall
tblOffRoadEquipment	PhaseName		P.1 Fitness Overall
tblOffRoadEquipment	PhaseName		P.2 Build B Overall
tblOffRoadEquipment	PhaseName		P.3 Meeting Hall Overall
tblOffRoadEquipment	PhaseName		P.1 Build A Overall
tblOffRoadEquipment	PhaseName		P.3 Build C Overall
tblOffRoadEquipment	PhaseName		P.1 Fitness Overall
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.30
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00

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

tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.70
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.30
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.30
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.80
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	9.60
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	8.90
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	7.50
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	8.80
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	17.10
tblOffRoadEquipment	UsageHours	8.00	0.00

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

tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	4.70
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	4.30
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	3.40
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	4.10
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	7.70
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00

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

tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00

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

tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	1.10
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	1.80
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	1.30
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	1.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	2.90
tblOffRoadEquipment	UsageHours	8.00	0.00
tblSolidWaste	SolidWasteGenerationRate	6.04	0.00
tblSolidWaste	SolidWasteGenerationRate	27.30	0.00
tblSolidWaste	SolidWasteGenerationRate	23.92	0.00
tblTripsAndVMT	HaulingTripLength	20.00	10.20
tblTripsAndVMT	HaulingTripLength	20.00	10.20
tblTripsAndVMT	HaulingTripLength	20.00	10.20
tblTripsAndVMT	HaulingTripLength	20.00	10.20
tblTripsAndVMT	HaulingTripLength	20.00	10.20

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

tblTripsAndVMT	HaulingTripNumber	2,222.00	1,906.00
tblTripsAndVMT	HaulingTripNumber	1,355.00	592.00
tblTripsAndVMT	HaulingTripNumber	0.00	230.00
tblTripsAndVMT	HaulingTripNumber	1,061.00	1,328.00
tblTripsAndVMT	HaulingTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	36.00	6.00
tblTripsAndVMT	VendorTripNumber	36.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	36.00	0.00
tblTripsAndVMT	VendorTripNumber	36.00	9.00
tblTripsAndVMT	VendorTripNumber	0.00	3.00
tblTripsAndVMT	VendorTripNumber	0.00	3.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	36.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	36.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	3.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	36.00	0.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	36.00	11.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	36.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	36.00	0.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	36.00	7.00

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

tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	36.00	0.00
tblTripsAndVMT	VendorTripNumber	36.00	4.00
tblTripsAndVMT	VendorTripNumber	36.00	0.00
tblTripsAndVMT	VendorTripNumber	36.00	3.00
tblTripsAndVMT	WorkerTripNumber	23.00	34.00
tblTripsAndVMT	WorkerTripNumber	116.00	67.00
tblTripsAndVMT	WorkerTripNumber	116.00	52.00
tblTripsAndVMT	WorkerTripNumber	0.00	51.00
tblTripsAndVMT	WorkerTripNumber	116.00	0.00
tblTripsAndVMT	WorkerTripNumber	116.00	72.00
tblTripsAndVMT	WorkerTripNumber	0.00	40.00
tblTripsAndVMT	WorkerTripNumber	0.00	40.00
tblTripsAndVMT	WorkerTripNumber	23.00	49.00
tblTripsAndVMT	WorkerTripNumber	23.00	100.00
tblTripsAndVMT	WorkerTripNumber	116.00	52.00
tblTripsAndVMT	WorkerTripNumber	0.00	34.00
tblTripsAndVMT	WorkerTripNumber	116.00	35.00
tblTripsAndVMT	WorkerTripNumber	0.00	43.00
tblTripsAndVMT	WorkerTripNumber	0.00	34.00
tblTripsAndVMT	WorkerTripNumber	116.00	0.00
tblTripsAndVMT	WorkerTripNumber	0.00	31.00
tblTripsAndVMT	WorkerTripNumber	116.00	27.00
tblTripsAndVMT	WorkerTripNumber	23.00	113.00
tblTripsAndVMT	WorkerTripNumber	23.00	82.00
tblTripsAndVMT	WorkerTripNumber	116.00	17.00
tblTripsAndVMT	WorkerTripNumber	0.00	22.00
tblTripsAndVMT	WorkerTripNumber	116.00	0.00
tblTripsAndVMT	WorkerTripNumber	23.00	37.00

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

tblTripsAndVMT	WorkerTripNumber	116.00	48.00
tblTripsAndVMT	WorkerTripNumber	0.00	51.00
tblTripsAndVMT	WorkerTripNumber	116.00	0.00
tblTripsAndVMT	WorkerTripNumber	116.00	52.00
tblTripsAndVMT	WorkerTripNumber	116.00	0.00
tblTripsAndVMT	WorkerTripNumber	116.00	48.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	5.99	0.00
tblVehicleTrips	ST_TR	2.03	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	27.63	0.00
tblVehicleTrips	SU_TR	1.95	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	6.95	0.00
tblVehicleTrips	WD_TR	2.40	0.00
tblWater	IndoorWaterUseRate	62,691.73	0.00
tblWater	IndoorWaterUseRate	149,873.87	0.00
tblWater	IndoorWaterUseRate	3,388,009.33	0.00
tblWater	OutdoorWaterUseRate	38,423.97	0.00
tblWater	OutdoorWaterUseRate	234,418.11	0.00
tblWater	OutdoorWaterUseRate	2,135,918.93	0.00
tblWoodstoves	NumberCatalytic	1.04	0.00
tblWoodstoves	NumberNoncatalytic	1.04	0.00

2.0 Emissions Summary

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

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.0921	0.7978	0.9838	2.3500e-003	0.0874	0.0294	0.1168	0.0185	0.0275	0.0460	0.0000	207.6749	207.6749	0.0410	6.3100e-003	210.5802
2024	1.9843	2.9919	4.0024	8.4500e-003	0.2881	0.1120	0.4000	0.0690	0.1046	0.1736	0.0000	743.2086	743.2086	0.1492	0.0162	751.7643
2025	2.6266	1.5050	2.0770	4.3900e-003	0.1345	0.0548	0.1893	0.0342	0.0511	0.0853	0.0000	386.2156	386.2156	0.0833	5.3200e-003	389.8826
Maximum	**2.6266**	**2.9919**	**4.0024**	**8.4500e-003**	**0.2881**	**0.1120**	**0.4000**	**0.0690**	**0.1046**	**0.1736**	**0.0000**	**743.2086**	**743.2086**	**0.1492**	**0.0162**	**751.7643**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.0866	0.7241	0.8422	2.1300e-003	0.0703	0.0279	0.0982	0.0166	0.0262	0.0428	0.0000	188.4628	188.4628	0.0350	6.3100e-003	191.2180
2024	1.9556	2.6049	3.2407	7.2500e-003	0.2598	0.1045	0.3644	0.0659	0.0976	0.1635	0.0000	639.9855	639.9855	0.1167	0.0162	647.7296
2025	2.6149	1.3464	1.7617	3.9000e-003	0.1284	0.0518	0.1802	0.0335	0.0483	0.0818	0.0000	343.4319	343.4319	0.0698	5.3200e-003	346.7623
Maximum	**2.6149**	**2.6049**	**3.2407**	**7.2500e-003**	**0.2598**	**0.1045**	**0.3644**	**0.0659**	**0.0976**	**0.1635**	**0.0000**	**639.9855**	**639.9855**	**0.1167**	**0.0162**	**647.7296**

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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	N20	CO2e
Percent Reduction	**0.97**	**11.69**	**17.25**	**12.57**	**10.09**	**6.06**	**8.97**	**4.62**	**6.05**	**5.49**	**0.00**	**12.36**	**12.36**	**18.99**	**0.00**	**12.31**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**7-3-2023**	**10-2-2023**	0.3783	0.3519
2	**10-3-2023**	**1-2-2024**	0.5360	0.4798
3	**1-3-2024**	**4-2-2024**	0.9855	0.8615
4	**4-3-2024**	**7-2-2024**	1.5753	1.4430
5	**7-3-2024**	**10-2-2024**	1.4351	1.3500
6	**10-3-2024**	**1-2-2025**	0.9747	0.9028
7	**1-3-2025**	**4-2-2025**	1.1986	1.1257
8	**4-3-2025**	**7-2-2025**	1.8756	1.8022
9	**7-3-2025**	**9-30-2025**	1.0410	1.0188
		Highest	1.8756	1.8022

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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	0.4607	4.4700e-003	0.3884	2.0000e-005		2.1500e-003	2.1500e-003		2.1500e-003	2.1500e-003	0.0000	0.6358	0.6358	6.2000e-004	0.0000	0.6513
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.4607**	**4.4700e-003**	**0.3884**	**2.0000e-005**	**0.0000**	**2.1500e-003**	**2.1500e-003**	**0.0000**	**2.1500e-003**	**2.1500e-003**	**0.0000**	**0.6358**	**0.6358**	**6.2000e-004**	**0.0000**	**0.6513**

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4607	4.4700e-003	0.3884	2.0000e-005		2.1500e-003	2.1500e-003		2.1500e-003	2.1500e-003	0.0000	0.6358	0.6358	6.2000e-004	0.0000	0.6513
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.4607**	**4.4700e-003**	**0.3884**	**2.0000e-005**	**0.0000**	**2.1500e-003**	**2.1500e-003**	**0.0000**	**2.1500e-003**	**2.1500e-003**	**0.0000**	**0.6358**	**0.6358**	**6.2000e-004**	**0.0000**	**0.6513**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	P.0 Utility Relocation Prep Roadway	Site Preparation	7/3/2023	11/14/2023	5	97	
2	P.1 Build A Excavation	Grading	7/3/2023	7/28/2023	5	20	
3	P.3 Build C Excavation	Grading	11/16/2023	1/11/2024	5	41	

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4	P.2 Build B Excavation	Grading	2/2/2024	3/18/2024	5	32	
5	P.3 Meeting Hall Excavation	Grading	12/11/2024	1/8/2025	5	21	
6	P.1 Build A Overall	Building Construction	7/3/2023	11/29/2024	5	370	
7	P.1 Bulid A Concrete Found	Building Construction	8/1/2023	12/6/2023	5	92	
8	P.3 Build C Overall	Building Construction	11/16/2023	8/12/2025	5	454	
9	P.1 Build A Building Frame	Building Construction	12/7/2023	3/25/2024	5	78	
10	P.1 Fitness Overall	Building Construction	12/7/2023	7/18/2024	5	161	
11	P.1 Fitness Build Found	Building Construction	12/7/2023	1/25/2024	5	36	
12	P.3 Build C Concrete Found	Building Construction	1/12/2024	7/18/2024	5	135	
13	P.1 Fitness Build Frame	Building Construction	1/26/2024	4/1/2024	5	47	
14	P.2 Build B Overall	Building Construction	2/2/2024	7/1/2025	5	368	
15	P.2 Build B Concrete Found	Building Construction	3/20/2024	9/30/2024	5	139	
16	P.3 Build C Build Frame	Building Construction	7/19/2024	11/4/2024	5	77	
17	P.2 Build B Build Frame	Building Construction	10/1/2024	12/10/2024	5	51	
18	P.3 Meeting Hall Overall	Building Construction	12/11/2024	8/13/2025	5	176	
19	P.3 Meeting Hall Concrete Found	Building Construction	1/10/2025	3/24/2025	5	52	
20	P.3 Meeting Hall Build Frame	Building Construction	3/23/2025	4/29/2025	5	27	
21	P.1 Build A Building Exterior	Paving	3/26/2024	6/27/2024	5	68	
22	P.1 Fitness Building Exterior	Paving	4/3/2024	5/23/2024	5	37	
23	P.3 Build C Building Exterior	Paving	11/6/2024	2/12/2025	5	71	
24	P.2 Build B Build Exterior	Paving	12/11/2024	2/19/2025	5	51	
25	P.3 Meeting Hall Build Exterior	Paving	5/1/2025	6/19/2025	5	36	
26	P.1 Fitness Interiors	Architectural Coating	5/24/2024	7/19/2024	5	41	
27	P.1 Build A Interiors	Architectural Coating	6/28/2024	12/2/2024	5	112	
28	P.3 Build C Interiors	Architectural Coating	2/13/2025	8/13/2025	5	130	
29	P.2 Build B Interiors	Architectural Coating	2/20/2025	7/2/2025	5	95	
30	P.3 Meeting Hall Interiors	Architectural Coating	6/20/2025	8/14/2025	5	40	

Acres of Grading (Site Preparation Phase): 7.5

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Acres of Grading (Grading Phase): 8

Acres of Paving: 2.29

Residential Indoor: 214,828; Residential Outdoor: 71,609; Non-Residential Indoor: 8,786; Non-Residential Outdoor: 2,929; Striped Parking Area: 10,875 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
P.0 Utility Relocation Prep Roadway	Cement and Mortar Mixers	1	0.41	9	0.56
P.0 Utility Relocation Prep Roadway	Excavators	1	5.36	273	0.38
P.0 Utility Relocation Prep Roadway	Generator Sets	1	5.36	40.2	0.74
P.0 Utility Relocation Prep Roadway	Graders	1	0.41	187	0.41
P.0 Utility Relocation Prep Roadway	Other Construction Equipment	1	1.73	157	0.42
P.0 Utility Relocation Prep Roadway	Pavers	1	0.30	74.8	0.42
P.0 Utility Relocation Prep Roadway	Paving Equipment	1	0.30	74	0.36
P.0 Utility Relocation Prep Roadway	Plate Compactors	1	0.30	9	0.43
P.0 Utility Relocation Prep Roadway	Rubber Tired Dozers	0	0.00	247	0.40
P.0 Utility Relocation Prep Roadway	Skid Steer Loaders	1	5.40	74.3	0.37
P.0 Utility Relocation Prep Roadway	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.1 Build A Excavation	Excavators	0	0.00	158	0.38
P.1 Build A Excavation	Graders	0	0.00	187	0.41
P.1 Build A Excavation	Rubber Tired Dozers	0	0.00	247	0.40
P.1 Build A Excavation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.1 Build A Overall	Aerial Lifts	1	9.90	63	0.31
P.1 Build A Overall	Air Compressors	1	0.10	49	0.48
P.1 Build A Overall	Bore/Drill Rigs	1	0.70	100	0.50
P.1 Build A Overall	Cement and Mortar Mixers	1	1.50	9	0.56
P.1 Build A Overall	Cranes	1	0.30	408	0.29
P.1 Build A Overall	Excavators	1	1.10	273	0.38
P.1 Build A Overall	Forklifts	1	7.50	110	0.20

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P.1 Build A Overall	Generator Sets	1	3.40	40.2	0.74
P.1 Build A Overall	Other Construction Equipment	1	0.10	157	0.42
P.1 Build A Overall	Pavers	1	0.10	74.8	0.42
P.1 Build A Overall	Paving Equipment	1	0.10	74	0.36
P.1 Build A Overall	Rollers	1	0.10	74	0.38
P.1 Build A Overall	Rubber Tired Dozers	1	1.10	215	0.40
P.1 Build A Overall	Skid Steer Loaders	1	5.50	74.3	0.37
P.1 Build A Overall	Sweepers/Scrubbers	1	0.40	99	0.46
P.1 Build A Overall	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.1 Build A Overall	Welders	1	1.30	24.2	0.45
P.1 Bulid A Concrete Found	Cranes	0	0.00	231	0.29
P.1 Bulid A Concrete Found	Forklifts	0	0.00	89	0.20
P.1 Bulid A Concrete Found	Generator Sets	0	0.00	84	0.74
P.1 Bulid A Concrete Found	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.1 Bulid A Concrete Found	Welders	0	0.00	46	0.45
P.1 Build A Building Frame	Cranes	0	0.00	231	0.29
P.1 Build A Building Frame	Forklifts	0	0.00	89	0.20
P.1 Build A Building Frame	Generator Sets	0	0.00	84	0.74
P.1 Build A Building Frame	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.1 Build A Building Frame	Welders	0	0.00	46	0.45
P.1 Build A Building Exterior	Cement and Mortar Mixers	0	0.00	9	0.56
P.1 Build A Building Exterior	Pavers	0	0.00	130	0.42
P.1 Build A Building Exterior	Paving Equipment	0	0.00	132	0.36
P.1 Build A Building Exterior	Rollers	0	0.00	80	0.38
P.1 Build A Building Exterior	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.1 Build A Interiors	Air Compressors	0	0.00	78	0.48
P.1 Fitness Overall	Aerial Lifts	1	22.90	63	0.31
P.1 Fitness Overall	Air Compressors	1	0.10	49	0.48
P.1 Fitness Overall	Cement and Mortar Mixers	1	3.50	9	0.56

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P.1 Fitness Overall	Cranes	1	0.80	408	0.29
P.1 Fitness Overall	Excavators	1	0.50	273	0.38
P.1 Fitness Overall	Forklifts	1	17.10	110	0.20
P.1 Fitness Overall	Generator Sets	1	7.70	40.2	0.74
P.1 Fitness Overall	Other Construction Equipment	1	0.30	157	0.42
P.1 Fitness Overall	Pavers	1	0.10	74.8	0.42
P.1 Fitness Overall	Paving Equipment	1	0.10	74	0.36
P.1 Fitness Overall	Rollers	1	0.10	74	0.38
P.1 Fitness Overall	Rubber Tired Dozers	1	0.50	215	0.40
P.1 Fitness Overall	Skid Steer Loaders	1	12.60	74.3	0.37
P.1 Fitness Overall	Sweepers/Scrubbers	1	1.00	99	0.46
P.1 Fitness Overall	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.1 Fitness Overall	Welders	1	2.90	24.2	0.45
P.1 Fitness Build Found	Cranes	0	0.00	231	0.29
P.1 Fitness Build Found	Forklifts	0	0.00	89	0.20
P.1 Fitness Build Found	Generator Sets	0	0.00	84	0.74
P.1 Fitness Build Found	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.1 Fitness Build Found	Welders	0	0.00	46	0.45
P.1 Fitness Build Frame	Cranes	0	0.00	231	0.29
P.1 Fitness Build Frame	Forklifts	0	0.00	89	0.20
P.1 Fitness Build Frame	Generator Sets	0	0.00	84	0.74
P.1 Fitness Build Frame	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.1 Fitness Build Frame	Welders	0	0.00	46	0.45
P.1 Fitness Building Exterior	Cement and Mortar Mixers	0	0.00	9	0.56
P.1 Fitness Building Exterior	Pavers	0	0.00	130	0.42
P.1 Fitness Building Exterior	Paving Equipment	0	0.00	132	0.36
P.1 Fitness Building Exterior	Rollers	0	0.00	80	0.38
P.1 Fitness Building Exterior	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.1 Fitness Interiors	Air Compressors	0	0.00	78	0.48

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

P.2 Build B Overall	Aerial Lifts	1	10.20	63	0.31
P.2 Build B Overall	Air Compressors	1	0.10	49	0.48
P.2 Build B Overall	Bore/Drill Rigs	1	0.90	100	0.50
P.2 Build B Overall	Cement and Mortar Mixers	1	1.10	9	0.56
P.2 Build B Overall	Cranes	1	0.30	408	0.29
P.2 Build B Overall	Excavators	1	1.60	273	0.38
P.2 Build B Overall	Forklifts	1	9.60	110	0.20
P.2 Build B Overall	Generator Sets	1	4.70	40.2	0.74
P.2 Build B Overall	Other Construction Equipment	1	0.10	157	0.42
P.2 Build B Overall	Pavers	1	0.10	74.8	0.42
P.2 Build B Overall	Paving Equipment	1	0.10	74	0.36
P.2 Build B Overall	Rollers	1	0.10	74	0.38
P.2 Build B Overall	Rubber Tired Dozers	1	1.60	215	0.40
P.2 Build B Overall	Skid Steer Loaders	1	6.70	74.3	0.37
P.2 Build B Overall	Sweepers/Scrubbers	1	0.70	99	0.46
P.2 Build B Overall	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.2 Build B Overall	Welders	1	1.10	24.2	0.45
P.2 Build B Excavation	Excavators	0	0.00	158	0.38
P.2 Build B Excavation	Graders	0	0.00	187	0.41
P.2 Build B Excavation	Rubber Tired Dozers	0	0.00	247	0.40
P.2 Build B Excavation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.2 Build B Concrete Found	Cranes	0	0.00	231	0.29
P.2 Build B Concrete Found	Forklifts	0	0.00	89	0.20
P.2 Build B Concrete Found	Generator Sets	0	0.00	84	0.74
P.2 Build B Concrete Found	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.2 Build B Concrete Found	Welders	0	0.00	46	0.45
P.2 Build B Build Frame	Cranes	0	0.00	231	0.29
P.2 Build B Build Frame	Forklifts	0	0.00	89	0.20
P.2 Build B Build Frame	Generator Sets	0	0.00	84	0.74

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P.2 Build B Build Frame	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.2 Build B Build Frame	Welders	0	0.00	46	0.45
P.2 Build B Build Exterior	Cement and Mortar Mixers	0	0.00	9	0.56
P.2 Build B Build Exterior	Pavers	0	0.00	130	0.42
P.2 Build B Build Exterior	Paving Equipment	0	0.00	132	0.36
P.2 Build B Build Exterior	Rollers	0	0.00	80	0.38
P.2 Build B Build Exterior	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.2 Build B Interiors	Air Compressors	0	0.00	78	0.48
P.3 Build C Overall	Aerial Lifts	1	9.50	63	0.31
P.3 Build C Overall	Air Compressors	1	0.10	49	0.48
P.3 Build C Overall	Bore/Drill Rigs	1	0.50	100	0.50
P.3 Build C Overall	Cement and Mortar Mixers	1	1.20	9	0.56
P.3 Build C Overall	Cranes	1	0.30	408	0.29
P.3 Build C Overall	Excavators	1	1.30	273	0.38
P.3 Build C Overall	Forklifts	1	8.80	110	0.20
P.3 Build C Overall	Generator Sets	1	4.10	40.2	0.74
P.3 Build C Overall	Other Construction Equipment	1	0.10	157	0.42
P.3 Build C Overall	Pavers	1	0.10	74.8	0.42
P.3 Build C Overall	Paving Equipment	1	0.10	74	0.36
P.3 Build C Overall	Rollers	1	0.10	74	0.38
P.3 Build C Overall	Rubber Tired Dozers	1	1.30	215	0.40
P.3 Build C Overall	Skid Steer Loaders	1	4.60	74.3	0.37
P.3 Build C Overall	Sweepers/Scrubbers	1	0.50	99	0.46
P.3 Build C Overall	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.3 Build C Overall	Welders	1	1.00	24.2	0.45
P.3 Build C Excavation	Excavators	0	0.00	158	0.38
P.3 Build C Excavation	Graders	0	0.00	187	0.41
P.3 Build C Excavation	Rubber Tired Dozers	0	0.00	247	0.40
P.3 Build C Excavation	Tractors/Loaders/Backhoes	0	0.00	97	0.37

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

P.3 Build C Concrete Found	Cranes	0	0.00	231	0.29
P.3 Build C Concrete Found	Forklifts	0	0.00	89	0.20
P.3 Build C Concrete Found	Generator Sets	0	0.00	84	0.74
P.3 Build C Concrete Found	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.3 Build C Concrete Found	Welders	0	0.00	46	0.45
P.3 Build C Build Frame	Cranes	0	0.00	231	0.29
P.3 Build C Build Frame	Forklifts	0	0.00	89	0.20
P.3 Build C Build Frame	Generator Sets	0	0.00	84	0.74
P.3 Build C Build Frame	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.3 Build C Build Frame	Welders	0	0.00	46	0.45
P.3 Build C Building Exterior	Cement and Mortar Mixers	0	0.00	9	0.56
P.3 Build C Building Exterior	Pavers	0	0.00	130	0.42
P.3 Build C Building Exterior	Paving Equipment	0	0.00	132	0.36
P.3 Build C Building Exterior	Rollers	0	0.00	80	0.38
P.3 Build C Building Exterior	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.3 Build C Interiors	Air Compressors	0	0.00	78	0.48
P.3 Meeting Hall Overall	Aerial Lifts	1	10.00	63	0.31
P.3 Meeting Hall Overall	Air Compressors	1	0.10	49	0.48
P.3 Meeting Hall Overall	Bore/Drill Rigs	1	1.80	100	0.50
P.3 Meeting Hall Overall	Cement and Mortar Mixers	1	1.60	9	0.56
P.3 Meeting Hall Overall	Cranes	1	0.70	408	0.29
P.3 Meeting Hall Overall	Excavators	1	2.50	273	0.38
P.3 Meeting Hall Overall	Forklifts	1	8.90	110	0.20
P.3 Meeting Hall Overall	Generator Sets	1	4.30	40.2	0.74
P.3 Meeting Hall Overall	Other Construction Equipment	1	0.20	157	0.42
P.3 Meeting Hall Overall	Pavers	1	0.10	74.8	0.42
P.3 Meeting Hall Overall	Paving Equipment	1	0.10	74	0.36
P.3 Meeting Hall Overall	Rollers	1	0.10	74	0.38
P.3 Meeting Hall Overall	Rubber Tired Dozers	1	2.50	215	0.40

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P.3 Meeting Hall Overall	Skid Steer Loaders	1	14.40	74.3	0.37
P.3 Meeting Hall Overall	Sweepers/Scrubbers	1	0.90	99	0.46
P.3 Meeting Hall Overall	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.3 Meeting Hall Overall	Welders	1	1.80	24.2	0.45
P.3 Meeting Hall Excavation	Excavators	0	0.00	158	0.38
P.3 Meeting Hall Excavation	Graders	0	0.00	187	0.41
P.3 Meeting Hall Excavation	Rubber Tired Dozers	0	0.00	247	0.40
P.3 Meeting Hall Excavation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.3 Meeting Hall Concrete Found	Cranes	0	0.00	231	0.29
P.3 Meeting Hall Concrete Found	Forklifts	0	0.00	89	0.20
P.3 Meeting Hall Concrete Found	Generator Sets	0	0.00	84	0.74
P.3 Meeting Hall Concrete Found	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.3 Meeting Hall Concrete Found	Welders	0	0.00	46	0.45
P.3 Meeting Hall Build Frame	Cranes	0	0.00	231	0.29
P.3 Meeting Hall Build Frame	Forklifts	0	0.00	89	0.20
P.3 Meeting Hall Build Frame	Generator Sets	0	0.00	84	0.74
P.3 Meeting Hall Build Frame	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.3 Meeting Hall Build Frame	Welders	0	0.00	46	0.45
P.3 Meeting Hall Build Exterior	Cement and Mortar Mixers	0	0.00	9	0.56
P.3 Meeting Hall Build Exterior	Pavers	0	0.00	130	0.42
P.3 Meeting Hall Build Exterior	Paving Equipment	0	0.00	132	0.36
P.3 Meeting Hall Build Exterior	Rollers	0	0.00	80	0.38
P.3 Meeting Hall Build Exterior	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.3 Meeting Hall Interiors	Air Compressors	0	0.00	78	0.48

Trips and VMT

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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
P.0 Utility Relocation Prep Roadway	9	34.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.1 Build A Excavation	0	34.00	2.00	592.00	10.80	7.30	10.20	LD_Mix	HDT_Mix	HHDT
P.1 Build A Overall	16	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.1 Bulid A Concrete Found	0	48.00	7.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.1 Build A Building Frame	0	52.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.1 Build A Building Exterior	0	40.00	3.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.1 Build A Interiors	0	100.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.1 Fitness Overall	15	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.1 Fitness Build Found	0	48.00	3.00	8.00	10.80	7.30	10.20	LD_Mix	HDT_Mix	HHDT
P.1 Fitness Build Frame	0	52.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.1 Fitness Building Exterior	0	40.00	3.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.1 Fitness Interiors	0	49.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.2 Build B Overall	16	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.2 Build B Excavation	0	51.00	2.00	1,906.00	10.80	7.30	10.20	LD_Mix	HDT_Mix	HHDT
P.2 Build B Concrete Found	0	72.00	9.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.2 Build B Build Frame	0	35.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.2 Build B Build Exterior	0	31.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.2 Build B Interiors	0	82.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.3 Build C Overall	16	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.3 Build C Excavation	0	51.00	1.00	1,328.00	10.80	7.30	10.20	LD_Mix	HDT_Mix	HHDT
P.3 Build C Concrete Found	0	67.00	6.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.3 Build C Build Frame	0	52.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.3 Build C Building Exterior	0	43.00	3.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.3 Build C Interiors	0	113.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.3 Meeting Hall Overall	16	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.3 Meeting Hall Excavation	0	34.00	2.00	230.00	10.80	7.30	10.20	LD_Mix	HDT_Mix	HHDT
P.3 Meeting Hall Concrete Found	0	27.00	11.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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

P.3 Meeting Hall Build Frame	0	17.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.3 Meeting Hall Build Exterior	0	22.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.3 Meeting Hall Interiors	0	37.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Water Exposed Area

3.2 P.0 Utility Relocation Prep Roadway - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.9800e-003	0.0000	3.9800e-003	4.3000e-004	0.0000	4.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0235	0.1996	0.2291	5.7000e-004		7.4900e-003	7.4900e-003		7.0600e-003	7.0600e-003	0.0000	48.4798	48.4798	0.0135	0.0000	48.8178
Total	**0.0235**	**0.1996**	**0.2291**	**5.7000e-004**	**3.9800e-003**	**7.4900e-003**	**0.0115**	**4.3000e-004**	**7.0600e-003**	**7.4900e-003**	**0.0000**	**48.4798**	**48.4798**	**0.0135**	**0.0000**	**48.8178**

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3.2 P.0 Utility Relocation Prep Roadway - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1200e-003	2.8700e-003	0.0369	1.1000e-004	0.0131	6.0000e-005	0.0131	3.4800e-003	6.0000e-005	3.5400e-003	0.0000	10.0813	10.0813	2.9000e-004	2.8000e-004	10.1711
Total	**4.1200e-003**	**2.8700e-003**	**0.0369**	**1.1000e-004**	**0.0131**	**6.0000e-005**	**0.0131**	**3.4800e-003**	**6.0000e-005**	**3.5400e-003**	**0.0000**	**10.0813**	**10.0813**	**2.9000e-004**	**2.8000e-004**	**10.1711**

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					1.7900e-003	0.0000	1.7900e-003	1.9000e-004	0.0000	1.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0234	0.1987	0.2284	5.7000e-004		7.4500e-003	7.4500e-003		7.0300e-003	7.0300e-003	0.0000	48.3658	48.3658	0.0135	0.0000	48.7035
Total	**0.0234**	**0.1987**	**0.2284**	**5.7000e-004**	**1.7900e-003**	**7.4500e-003**	**9.2400e-003**	**1.9000e-004**	**7.0300e-003**	**7.2200e-003**	**0.0000**	**48.3658**	**48.3658**	**0.0135**	**0.0000**	**48.7035**

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

3.2 P.0 Utility Relocation Prep Roadway - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1200e-003	2.8700e-003	0.0369	1.1000e-004	0.0131	6.0000e-005	0.0131	3.4800e-003	6.0000e-005	3.5400e-003	0.0000	10.0813	10.0813	2.9000e-004	2.8000e-004	10.1711
Total	**4.1200e-003**	**2.8700e-003**	**0.0369**	**1.1000e-004**	**0.0131**	**6.0000e-005**	**0.0131**	**3.4800e-003**	**6.0000e-005**	**3.5400e-003**	**0.0000**	**10.0813**	**10.0813**	**2.9000e-004**	**2.8000e-004**	**10.1711**

3.3 P.1 Build A Excavation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.8600e-003	0.0000	4.8600e-003	5.5000e-004	0.0000	5.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**4.8600e-003**	**0.0000**	**4.8600e-003**	**5.5000e-004**	**0.0000**	**5.5000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.3 P.1 Build A Excavation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.5000e-004	0.0231	6.8000e-003	9.0000e-005	2.5600e-003	1.7000e-004	2.7300e-003	7.1000e-004	1.6000e-004	8.7000e-004	0.0000	9.3910	9.3910	3.2000e-004	1.4900e-003	9.8426
Vendor	2.0000e-005	8.9000e-004	2.8000e-004	0.0000	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.3977	0.3977	1.0000e-005	6.0000e-005	0.4153
Worker	8.5000e-004	5.9000e-004	7.6100e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	2.0786	2.0786	6.0000e-005	6.0000e-005	2.0971
Total	**1.3200e-003**	**0.0246**	**0.0147**	**1.1000e-004**	**5.3900e-003**	**1.9000e-004**	**5.5800e-003**	**1.4700e-003**	**1.8000e-004**	**1.6400e-003**	**0.0000**	**11.8673**	**11.8673**	**3.9000e-004**	**1.6100e-003**	**12.3550**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.1800e-003	0.0000	2.1800e-003	2.5000e-004	0.0000	2.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**2.1800e-003**	**0.0000**	**2.1800e-003**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.3 P.1 Build A Excavation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.5000e-004	0.0231	6.8000e-003	9.0000e-005	2.5600e-003	1.7000e-004	2.7300e-003	7.1000e-004	1.6000e-004	8.7000e-004	0.0000	9.3910	9.3910	3.2000e-004	1.4900e-003	9.8426
Vendor	2.0000e-005	8.9000e-004	2.8000e-004	0.0000	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.3977	0.3977	1.0000e-005	6.0000e-005	0.4153
Worker	8.5000e-004	5.9000e-004	7.6100e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	2.0786	2.0786	6.0000e-005	6.0000e-005	2.0971
Total	**1.3200e-003**	**0.0246**	**0.0147**	**1.1000e-004**	**5.3900e-003**	**1.9000e-004**	**5.5800e-003**	**1.4700e-003**	**1.8000e-004**	**1.6400e-003**	**0.0000**	**11.8673**	**11.8673**	**3.9000e-004**	**1.6100e-003**	**12.3550**

3.4 P.3 Build C Excavation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0222	0.0000	0.0222	2.4200e-003	0.0000	2.4200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0222**	**0.0000**	**0.0222**	**2.4200e-003**	**0.0000**	**2.4200e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.4 P.3 Build C Excavation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.9000e-004	0.0404	0.0119	1.7000e-004	4.4900e-003	2.9000e-004	4.7800e-003	1.2400e-003	2.8000e-004	1.5200e-003	0.0000	16.4420	16.4420	5.5000e-004	2.6100e-003	17.2326
Vendor	2.0000e-005	7.1000e-004	2.2000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.3181	0.3181	1.0000e-005	5.0000e-005	0.3322
Worker	2.0400e-003	1.4200e-003	0.0183	5.0000e-005	6.4700e-003	3.0000e-005	6.5000e-003	1.7200e-003	3.0000e-005	1.7500e-003	0.0000	4.9887	4.9887	1.4000e-004	1.4000e-004	5.0331
Total	**2.8500e-003**	**0.0426**	**0.0304**	**2.2000e-004**	**0.0111**	**3.2000e-004**	**0.0114**	**2.9900e-003**	**3.1000e-004**	**3.3000e-003**	**0.0000**	**21.7488**	**21.7488**	**7.0000e-004**	**2.8000e-003**	**22.5979**

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					0.0100	0.0000	0.0100	1.0900e-003	0.0000	1.0900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0100**	**0.0000**	**0.0100**	**1.0900e-003**	**0.0000**	**1.0900e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.4 P.3 Build C Excavation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.9000e-004	0.0404	0.0119	1.7000e-004	4.4900e-003	2.9000e-004	4.7800e-003	1.2400e-003	2.8000e-004	1.5200e-003	0.0000	16.4420	16.4420	5.5000e-004	2.6100e-003	17.2326
Vendor	2.0000e-005	7.1000e-004	2.2000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.3181	0.3181	1.0000e-005	5.0000e-005	0.3322
Worker	2.0400e-003	1.4200e-003	0.0183	5.0000e-005	6.4700e-003	3.0000e-005	6.5000e-003	1.7200e-003	3.0000e-005	1.7500e-003	0.0000	4.9887	4.9887	1.4000e-004	1.4000e-004	5.0331
Total	**2.8500e-003**	**0.0426**	**0.0304**	**2.2000e-004**	**0.0111**	**3.2000e-004**	**0.0114**	**2.9900e-003**	**3.1000e-004**	**3.3000e-003**	**0.0000**	**21.7488**	**21.7488**	**7.0000e-004**	**2.8000e-003**	**22.5979**

3.4 P.3 Build C Excavation - 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					0.0222	0.0000	0.0222	2.4200e-003	0.0000	2.4200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0222**	**0.0000**	**0.0222**	**2.4200e-003**	**0.0000**	**2.4200e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.4 P.3 Build C Excavation - 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	2.2000e-004	0.0114	3.3700e-003	5.0000e-005	1.2600e-003	8.0000e-005	1.3500e-003	3.5000e-004	8.0000e-005	4.3000e-004	0.0000	4.5511	4.5511	1.5000e-004	7.2000e-004	4.7700
Vendor	0.0000	2.0000e-004	6.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0882	0.0882	0.0000	1.0000e-005	0.0921
Worker	5.4000e-004	3.6000e-004	4.8000e-003	1.0000e-005	1.8200e-003	1.0000e-005	1.8300e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.3690	1.3690	4.0000e-005	4.0000e-005	1.3807
Total	**7.6000e-004**	**0.0119**	**8.2300e-003**	**6.0000e-005**	**3.1100e-003**	**9.0000e-005**	**3.2100e-003**	**8.4000e-004**	**9.0000e-005**	**9.3000e-004**	**0.0000**	**6.0083**	**6.0083**	**1.9000e-004**	**7.7000e-004**	**6.2427**

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					0.0100	0.0000	0.0100	1.0900e-003	0.0000	1.0900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0100**	**0.0000**	**0.0100**	**1.0900e-003**	**0.0000**	**1.0900e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.4 P.3 Build C Excavation - 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	2.2000e-004	0.0114	3.3700e-003	5.0000e-005	1.2600e-003	8.0000e-005	1.3500e-003	3.5000e-004	8.0000e-005	4.3000e-004	0.0000	4.5511	4.5511	1.5000e-004	7.2000e-004	4.7700
Vendor	0.0000	2.0000e-004	6.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0882	0.0882	0.0000	1.0000e-005	0.0921
Worker	5.4000e-004	3.6000e-004	4.8000e-003	1.0000e-005	1.8200e-003	1.0000e-005	1.8300e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.3690	1.3690	4.0000e-005	4.0000e-005	1.3807
Total	**7.6000e-004**	**0.0119**	**8.2300e-003**	**6.0000e-005**	**3.1100e-003**	**9.0000e-005**	**3.2100e-003**	**8.4000e-004**	**9.0000e-005**	**9.3000e-004**	**0.0000**	**6.0083**	**6.0083**	**1.9000e-004**	**7.7000e-004**	**6.2427**

3.5 P.2 Build B Excavation - 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					0.0180	0.0000	0.0180	1.9800e-003	0.0000	1.9800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0180**	**0.0000**	**0.0180**	**1.9800e-003**	**0.0000**	**1.9800e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.5 P.2 Build B Excavation - 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	1.4600e-003	0.0743	0.0220	3.0000e-004	8.2600e-003	5.5000e-004	8.8000e-003	2.2700e-003	5.2000e-004	2.7900e-003	0.0000	29.7566	29.7566	1.0100e-003	4.7200e-003	31.1876
Vendor	3.0000e-005	1.4300e-003	4.4000e-004	1.0000e-005	2.1000e-004	1.0000e-005	2.2000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.6269	0.6269	1.0000e-005	9.0000e-005	0.6546
Worker	1.9100e-003	1.2700e-003	0.0171	5.0000e-005	6.4700e-003	3.0000e-005	6.5000e-003	1.7200e-003	3.0000e-005	1.7500e-003	0.0000	4.8676	4.8676	1.3000e-004	1.3000e-004	4.9090
Total	**3.4000e-003**	**0.0770**	**0.0395**	**3.6000e-004**	**0.0149**	**5.9000e-004**	**0.0155**	**4.0500e-003**	**5.6000e-004**	**4.6100e-003**	**0.0000**	**35.2511**	**35.2511**	**1.1500e-003**	**4.9400e-003**	**36.7513**

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					8.0900e-003	0.0000	8.0900e-003	8.9000e-004	0.0000	8.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**8.0900e-003**	**0.0000**	**8.0900e-003**	**8.9000e-004**	**0.0000**	**8.9000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.5 P.2 Build B Excavation - 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	1.4600e-003	0.0743	0.0220	3.0000e-004	8.2600e-003	5.5000e-004	8.8000e-003	2.2700e-003	5.2000e-004	2.7900e-003	0.0000	29.7566	29.7566	1.0100e-003	4.7200e-003	31.1876
Vendor	3.0000e-005	1.4300e-003	4.4000e-004	1.0000e-005	2.1000e-004	1.0000e-005	2.2000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.6269	0.6269	1.0000e-005	9.0000e-005	0.6546
Worker	1.9100e-003	1.2700e-003	0.0171	5.0000e-005	6.4700e-003	3.0000e-005	6.5000e-003	1.7200e-003	3.0000e-005	1.7500e-003	0.0000	4.8676	4.8676	1.3000e-004	1.3000e-004	4.9090
Total	**3.4000e-003**	**0.0770**	**0.0395**	**3.6000e-004**	**0.0149**	**5.9000e-004**	**0.0155**	**4.0500e-003**	**5.6000e-004**	**4.6100e-003**	**0.0000**	**35.2511**	**35.2511**	**1.1500e-003**	**4.9400e-003**	**36.7513**

3.6 P.3 Meeting Hall Excavation - 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					0.0111	0.0000	0.0111	1.2000e-003	0.0000	1.2000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0111**	**0.0000**	**0.0111**	**1.2000e-003**	**0.0000**	**1.2000e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.6 P.3 Meeting Hall Excavation - 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	1.3000e-004	6.4100e-003	1.9000e-003	3.0000e-005	7.1000e-004	5.0000e-005	7.6000e-004	2.0000e-004	4.0000e-005	2.4000e-004	0.0000	2.5648	2.5648	9.0000e-005	4.1000e-004	2.6882
Vendor	2.0000e-005	6.7000e-004	2.1000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.2939	0.2939	1.0000e-005	4.0000e-005	0.3069
Worker	6.0000e-004	4.0000e-004	5.3400e-003	2.0000e-005	2.0200e-003	1.0000e-005	2.0300e-003	5.4000e-004	1.0000e-005	5.5000e-004	0.0000	1.5211	1.5211	4.0000e-005	4.0000e-005	1.5341
Total	**7.5000e-004**	**7.4800e-003**	**7.4500e-003**	**5.0000e-005**	**2.8300e-003**	**6.0000e-005**	**2.8900e-003**	**7.7000e-004**	**5.0000e-005**	**8.2000e-004**	**0.0000**	**4.3798**	**4.3798**	**1.4000e-004**	**4.9000e-004**	**4.5291**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.0100e-003	0.0000	5.0100e-003	5.4000e-004	0.0000	5.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**5.0100e-003**	**0.0000**	**5.0100e-003**	**5.4000e-004**	**0.0000**	**5.4000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.6 P.3 Meeting Hall Excavation - 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	1.3000e-004	6.4100e-003	1.9000e-003	3.0000e-005	7.1000e-004	5.0000e-005	7.6000e-004	2.0000e-004	4.0000e-005	2.4000e-004	0.0000	2.5648	2.5648	9.0000e-005	4.1000e-004	2.6882
Vendor	2.0000e-005	6.7000e-004	2.1000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.2939	0.2939	1.0000e-005	4.0000e-005	0.3069
Worker	6.0000e-004	4.0000e-004	5.3400e-003	2.0000e-005	2.0200e-003	1.0000e-005	2.0300e-003	5.4000e-004	1.0000e-005	5.5000e-004	0.0000	1.5211	1.5211	4.0000e-005	4.0000e-005	1.5341
Total	**7.5000e-004**	**7.4800e-003**	**7.4500e-003**	**5.0000e-005**	**2.8300e-003**	**6.0000e-005**	**2.8900e-003**	**7.7000e-004**	**5.0000e-005**	**8.2000e-004**	**0.0000**	**4.3798**	**4.3798**	**1.4000e-004**	**4.9000e-004**	**4.5291**

3.6 P.3 Meeting Hall Excavation - 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					
Fugitive Dust					0.0111	0.0000	0.0111	1.2000e-003	0.0000	1.2000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0111**	**0.0000**	**0.0111**	**1.2000e-003**	**0.0000**	**1.2000e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.6 P.3 Meeting Hall Excavation - 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	5.0000e-005	2.5500e-003	7.6000e-004	1.0000e-005	2.8000e-004	2.0000e-005	3.0000e-004	8.0000e-005	2.0000e-005	1.0000e-004	0.0000	1.0062	1.0062	3.0000e-005	1.6000e-004	1.0546
Vendor	1.0000e-005	2.7000e-004	8.0000e-005	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1156	0.1156	0.0000	2.0000e-005	0.1207
Worker	2.3000e-004	1.4000e-004	2.0100e-003	1.0000e-005	8.1000e-004	0.0000	8.1000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.5942	0.5942	1.0000e-005	2.0000e-005	0.5990
Total	**2.9000e-004**	**2.9600e-003**	**2.8500e-003**	**2.0000e-005**	**1.1300e-003**	**2.0000e-005**	**1.1500e-003**	**3.1000e-004**	**2.0000e-005**	**3.3000e-004**	**0.0000**	**1.7159**	**1.7159**	**4.0000e-005**	**2.0000e-004**	**1.7743**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.0100e-003	0.0000	5.0100e-003	5.4000e-004	0.0000	5.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**5.0100e-003**	**0.0000**	**5.0100e-003**	**5.4000e-004**	**0.0000**	**5.4000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.6 P.3 Meeting Hall Excavation - 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	5.0000e-005	2.5500e-003	7.6000e-004	1.0000e-005	2.8000e-004	2.0000e-005	3.0000e-004	8.0000e-005	2.0000e-005	1.0000e-004	0.0000	1.0062	1.0062	3.0000e-005	1.6000e-004	1.0546
Vendor	1.0000e-005	2.7000e-004	8.0000e-005	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1156	0.1156	0.0000	2.0000e-005	0.1207
Worker	2.3000e-004	1.4000e-004	2.0100e-003	1.0000e-005	8.1000e-004	0.0000	8.1000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.5942	0.5942	1.0000e-005	2.0000e-005	0.5990
Total	**2.9000e-004**	**2.9600e-003**	**2.8500e-003**	**2.0000e-005**	**1.1300e-003**	**2.0000e-005**	**1.1500e-003**	**3.1000e-004**	**2.0000e-005**	**3.3000e-004**	**0.0000**	**1.7159**	**1.7159**	**4.0000e-005**	**2.0000e-004**	**1.7743**

3.7 P.1 Build A Overall - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0347	0.3367	0.3947	7.0000e-004		0.0140	0.0140		0.0131	0.0131	0.0000	59.5763	59.5763	0.0171	0.0000	60.0036
Total	**0.0347**	**0.3367**	**0.3947**	**7.0000e-004**		**0.0140**	**0.0140**		**0.0131**	**0.0131**	**0.0000**	**59.5763**	**59.5763**	**0.0171**	**0.0000**	**60.0036**

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

3.7 P.1 Build A Overall - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0312	0.2893	0.3031	5.6000e-004		0.0131	0.0131		0.0122	0.0122	0.0000	47.1511	47.1511	0.0132	0.0000	47.4810
Total	**0.0312**	**0.2893**	**0.3031**	**5.6000e-004**		**0.0131**	**0.0131**		**0.0122**	**0.0122**	**0.0000**	**47.1511**	**47.1511**	**0.0132**	**0.0000**	**47.4810**

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

3.7 P.1 Build A Overall - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 P.1 Build A Overall - 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	0.0613	0.5975	0.7267	1.2900e-003		0.0236	0.0236		0.0220	0.0220	0.0000	109.9868	109.9868	0.0315	0.0000	110.7730
Total	**0.0613**	**0.5975**	**0.7267**	**1.2900e-003**		**0.0236**	**0.0236**		**0.0220**	**0.0220**	**0.0000**	**109.9868**	**109.9868**	**0.0315**	**0.0000**	**110.7730**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.7 P.1 Build A Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0549	0.5111	0.5574	1.0300e-003		0.0219	0.0219		0.0205	0.0205	0.0000	87.0479	87.0479	0.0243	0.0000	87.6543
Total	**0.0549**	**0.5111**	**0.5574**	**1.0300e-003**		**0.0219**	**0.0219**		**0.0205**	**0.0205**	**0.0000**	**87.0479**	**87.0479**	**0.0243**	**0.0000**	**87.6543**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.7 P.1 Build A Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.8 P.1 Bulid A Concrete Found - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.8 P.1 Bulid A Concrete Found - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.5000e-004	0.0143	4.5200e-003	7.0000e-005	2.1200e-003	8.0000e-005	2.2000e-003	6.1000e-004	8.0000e-005	6.9000e-004	0.0000	6.4023	6.4023	1.3000e-004	9.4000e-004	6.6860
Worker	5.5200e-003	3.8400e-003	0.0494	1.5000e-004	0.0175	9.0000e-005	0.0176	4.6600e-003	8.0000e-005	4.7400e-003	0.0000	13.4988	13.4988	3.8000e-004	3.7000e-004	13.6190
Total	**5.8700e-003**	**0.0182**	**0.0539**	**2.2000e-004**	**0.0196**	**1.7000e-004**	**0.0198**	**5.2700e-003**	**1.6000e-004**	**5.4300e-003**	**0.0000**	**19.9011**	**19.9011**	**5.1000e-004**	**1.3100e-003**	**20.3050**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.8 P.1 Bulid A Concrete Found - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.5000e-004	0.0143	4.5200e-003	7.0000e-005	2.1200e-003	8.0000e-005	2.2000e-003	6.1000e-004	8.0000e-005	6.9000e-004	0.0000	6.4023	6.4023	1.3000e-004	9.4000e-004	6.6860
Worker	5.5200e-003	3.8400e-003	0.0494	1.5000e-004	0.0175	9.0000e-005	0.0176	4.6600e-003	8.0000e-005	4.7400e-003	0.0000	13.4988	13.4988	3.8000e-004	3.7000e-004	13.6190
Total	**5.8700e-003**	**0.0182**	**0.0539**	**2.2000e-004**	**0.0196**	**1.7000e-004**	**0.0198**	**5.2700e-003**	**1.6000e-004**	**5.4300e-003**	**0.0000**	**19.9011**	**19.9011**	**5.1000e-004**	**1.3100e-003**	**20.3050**

3.9 P.3 Build C Overall - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.2800e-003	0.0886	0.1008	1.8000e-004		3.7600e-003	3.7600e-003		3.5100e-003	3.5100e-003	0.0000	15.3908	15.3908	4.3700e-003	0.0000	15.5001
Total	**9.2800e-003**	**0.0886**	**0.1008**	**1.8000e-004**		**3.7600e-003**	**3.7600e-003**		**3.5100e-003**	**3.5100e-003**	**0.0000**	**15.3908**	**15.3908**	**4.3700e-003**	**0.0000**	**15.5001**

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

3.9 P.3 Build C Overall - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.4800e-003	0.0775	0.0793	1.5000e-004		3.5500e-003	3.5500e-003		3.3200e-003	3.3200e-003	0.0000	12.4778	12.4778	3.4500e-003	0.0000	12.5641
Total	**8.4800e-003**	**0.0775**	**0.0793**	**1.5000e-004**		**3.5500e-003**	**3.5500e-003**		**3.3200e-003**	**3.3200e-003**	**0.0000**	**12.4778**	**12.4778**	**3.4500e-003**	**0.0000**	**12.5641**

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

3.9 P.3 Build C Overall - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.9 P.3 Build C Overall - 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	0.0727	0.6967	0.8225	1.4800e-003		0.0281	0.0281		0.0262	0.0262	0.0000	126.0100	126.0100	0.0356	0.0000	126.9008
Total	**0.0727**	**0.6967**	**0.8225**	**1.4800e-003**		**0.0281**	**0.0281**		**0.0262**	**0.0262**	**0.0000**	**126.0100**	**126.0100**	**0.0356**	**0.0000**	**126.9008**

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

3.9 P.3 Build C Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0661	0.6076	0.6464	1.2100e-003		0.0264	0.0264		0.0246	0.0246	0.0000	102.1598	102.1598	0.0281	0.0000	102.8627
Total	**0.0661**	**0.6076**	**0.6464**	**1.2100e-003**		**0.0264**	**0.0264**		**0.0246**	**0.0246**	**0.0000**	**102.1598**	**102.1598**	**0.0281**	**0.0000**	**102.8627**

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

3.9 P.3 Build C Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.9 P.3 Build C Overall - 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	0.0416	0.4013	0.4981	9.1000e-004		0.0152	0.0152		0.0142	0.0142	0.0000	76.9547	76.9547	0.0217	0.0000	77.4973
Total	**0.0416**	**0.4013**	**0.4981**	**9.1000e-004**		**0.0152**	**0.0152**		**0.0142**	**0.0142**	**0.0000**	**76.9547**	**76.9547**	**0.0217**	**0.0000**	**77.4973**

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

3.9 P.3 Build C Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0376	0.3475	0.3907	7.4000e-004		0.0141	0.0141		0.0132	0.0132	0.0000	62.3897	62.3897	0.0171	0.0000	62.8175
Total	**0.0376**	**0.3475**	**0.3907**	**7.4000e-004**		**0.0141**	**0.0141**		**0.0132**	**0.0132**	**0.0000**	**62.3897**	**62.3897**	**0.0171**	**0.0000**	**62.8175**

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

3.9 P.3 Build C Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.10 P.1 Build A Building Frame - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.10 P.1 Build A Building Frame - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	1.5100e-003	4.8000e-004	1.0000e-005	2.2000e-004	1.0000e-005	2.3000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.6760	0.6760	1.0000e-005	1.0000e-004	0.7060
Worker	1.1000e-003	7.7000e-004	9.8900e-003	3.0000e-005	3.5100e-003	2.0000e-005	3.5200e-003	9.3000e-004	2.0000e-005	9.5000e-004	0.0000	2.7022	2.7022	8.0000e-005	7.0000e-005	2.7263
Total	**1.1400e-003**	**2.2800e-003**	**0.0104**	**4.0000e-005**	**3.7300e-003**	**3.0000e-005**	**3.7500e-003**	**9.9000e-004**	**3.0000e-005**	**1.0200e-003**	**0.0000**	**3.3782**	**3.3782**	**9.0000e-005**	**1.7000e-004**	**3.4322**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.10 P.1 Build A Building Frame - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	1.5100e-003	4.8000e-004	1.0000e-005	2.2000e-004	1.0000e-005	2.3000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.6760	0.6760	1.0000e-005	1.0000e-004	0.7060
Worker	1.1000e-003	7.7000e-004	9.8900e-003	3.0000e-005	3.5100e-003	2.0000e-005	3.5200e-003	9.3000e-004	2.0000e-005	9.5000e-004	0.0000	2.7022	2.7022	8.0000e-005	7.0000e-005	2.7263
Total	**1.1400e-003**	**2.2800e-003**	**0.0104**	**4.0000e-005**	**3.7300e-003**	**3.0000e-005**	**3.7500e-003**	**9.9000e-004**	**3.0000e-005**	**1.0200e-003**	**0.0000**	**3.3782**	**3.3782**	**9.0000e-005**	**1.7000e-004**	**3.4322**

3.10 P.1 Build A Building Frame - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.10 P.1 Build A Building Frame - 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	1.3000e-004	5.4400e-003	1.6800e-003	2.0000e-005	8.0000e-004	3.0000e-005	8.4000e-004	2.3000e-004	3.0000e-005	2.6000e-004	0.0000	2.3901	2.3901	5.0000e-005	3.5000e-004	2.4958
Worker	3.7200e-003	2.4700e-003	0.0332	1.0000e-004	0.0126	6.0000e-005	0.0126	3.3500e-003	5.0000e-005	3.4000e-003	0.0000	9.4609	9.4609	2.5000e-004	2.5000e-004	9.5413
Total	**3.8500e-003**	**7.9100e-003**	**0.0349**	**1.2000e-004**	**0.0134**	**9.0000e-005**	**0.0135**	**3.5800e-003**	**8.0000e-005**	**3.6600e-003**	**0.0000**	**11.8509**	**11.8509**	**3.0000e-004**	**6.0000e-004**	**12.0370**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.10 P.1 Build A Building Frame - 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	1.3000e-004	5.4400e-003	1.6800e-003	2.0000e-005	8.0000e-004	3.0000e-005	8.4000e-004	2.3000e-004	3.0000e-005	2.6000e-004	0.0000	2.3901	2.3901	5.0000e-005	3.5000e-004	2.4958
Worker	3.7200e-003	2.4700e-003	0.0332	1.0000e-004	0.0126	6.0000e-005	0.0126	3.3500e-003	5.0000e-005	3.4000e-003	0.0000	9.4609	9.4609	2.5000e-004	2.5000e-004	9.5413
Total	**3.8500e-003**	**7.9100e-003**	**0.0349**	**1.2000e-004**	**0.0134**	**9.0000e-005**	**0.0135**	**3.5800e-003**	**8.0000e-005**	**3.6600e-003**	**0.0000**	**11.8509**	**11.8509**	**3.0000e-004**	**6.0000e-004**	**12.0370**

3.11 P.1 Fitness Overall - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.3200e-003	0.0805	0.1034	1.7000e-004		3.3200e-003	3.3200e-003		3.1100e-003	3.1100e-003	0.0000	14.1900	14.1900	3.9500e-003	0.0000	14.2887
Total	**8.3200e-003**	**0.0805**	**0.1034**	**1.7000e-004**		**3.3200e-003**	**3.3200e-003**		**3.1100e-003**	**3.1100e-003**	**0.0000**	**14.1900**	**14.1900**	**3.9500e-003**	**0.0000**	**14.2887**

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

3.11 P.1 Fitness Overall - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.2500e-003	0.0662	0.0757	1.2000e-004		3.0400e-003	3.0400e-003		2.8500e-003	2.8500e-003	0.0000	10.4301	10.4301	2.7700e-003	0.0000	10.4993
Total	**7.2500e-003**	**0.0662**	**0.0757**	**1.2000e-004**		**3.0400e-003**	**3.0400e-003**		**2.8500e-003**	**2.8500e-003**	**0.0000**	**10.4301**	**10.4301**	**2.7700e-003**	**0.0000**	**10.4993**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.11 P.1 Fitness Overall - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.11 P.1 Fitness Overall - 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	0.0668	0.6528	0.8724	1.4200e-003		0.0252	0.0252		0.0236	0.0236	0.0000	120.2025	120.2025	0.0333	0.0000	121.0356
Total	**0.0668**	**0.6528**	**0.8724**	**1.4200e-003**		**0.0252**	**0.0252**		**0.0236**	**0.0236**	**0.0000**	**120.2025**	**120.2025**	**0.0333**	**0.0000**	**121.0356**

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

3.11 P.1 Fitness Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0578	0.5327	0.6375	1.0500e-003		0.0229	0.0229		0.0215	0.0215	0.0000	88.3536	88.3536	0.0233	0.0000	88.9372
Total	**0.0578**	**0.5327**	**0.6375**	**1.0500e-003**		**0.0229**	**0.0229**		**0.0215**	**0.0215**	**0.0000**	**88.3536**	**88.3536**	**0.0233**	**0.0000**	**88.9372**

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

3.11 P.1 Fitness Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.12 P.1 Fitness Build Found - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.12 P.1 Fitness Build Found - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	1.5000e-004	4.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0599	0.0599	0.0000	1.0000e-005	0.0628
Vendor	3.0000e-005	1.1400e-003	3.6000e-004	1.0000e-005	1.7000e-004	1.0000e-005	1.7000e-004	5.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.5070	0.5070	1.0000e-005	7.0000e-005	0.5295
Worker	1.0200e-003	7.1000e-004	9.1300e-003	3.0000e-005	3.2400e-003	2.0000e-005	3.2500e-003	8.6000e-004	1.0000e-005	8.8000e-004	0.0000	2.4943	2.4943	7.0000e-005	7.0000e-005	2.5166
Total	**1.0500e-003**	**2.0000e-003**	**9.5300e-003**	**4.0000e-005**	**3.4300e-003**	**3.0000e-005**	**3.4400e-003**	**9.1000e-004**	**2.0000e-005**	**9.4000e-004**	**0.0000**	**3.0613**	**3.0613**	**8.0000e-005**	**1.5000e-004**	**3.1089**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.12 P.1 Fitness Build Found - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	1.5000e-004	4.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0599	0.0599	0.0000	1.0000e-005	0.0628
Vendor	3.0000e-005	1.1400e-003	3.6000e-004	1.0000e-005	1.7000e-004	1.0000e-005	1.7000e-004	5.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.5070	0.5070	1.0000e-005	7.0000e-005	0.5295
Worker	1.0200e-003	7.1000e-004	9.1300e-003	3.0000e-005	3.2400e-003	2.0000e-005	3.2500e-003	8.6000e-004	1.0000e-005	8.8000e-004	0.0000	2.4943	2.4943	7.0000e-005	7.0000e-005	2.5166
Total	**1.0500e-003**	**2.0000e-003**	**9.5300e-003**	**4.0000e-005**	**3.4300e-003**	**3.0000e-005**	**3.4400e-003**	**9.1000e-004**	**2.0000e-005**	**9.4000e-004**	**0.0000**	**3.0613**	**3.0613**	**8.0000e-005**	**1.5000e-004**	**3.1089**

3.12 P.1 Fitness Build Found - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.12 P.1 Fitness Build Found - 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	1.6000e-004	5.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0659	0.0659	0.0000	1.0000e-005	0.0691
Vendor	3.0000e-005	1.2700e-003	3.9000e-004	1.0000e-005	1.9000e-004	1.0000e-005	2.0000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.5583	0.5583	1.0000e-005	8.0000e-005	0.5830
Worker	1.0700e-003	7.1000e-004	9.5400e-003	3.0000e-005	3.6200e-003	2.0000e-005	3.6300e-003	9.6000e-004	2.0000e-005	9.8000e-004	0.0000	2.7202	2.7202	7.0000e-005	7.0000e-005	2.7433
Total	**1.1000e-003**	**2.1400e-003**	**9.9800e-003**	**4.0000e-005**	**3.8300e-003**	**3.0000e-005**	**3.8500e-003**	**1.0200e-003**	**3.0000e-005**	**1.0500e-003**	**0.0000**	**3.3444**	**3.3444**	**8.0000e-005**	**1.6000e-004**	**3.3954**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.12 P.1 Fitness Build Found - 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	1.6000e-004	5.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0659	0.0659	0.0000	1.0000e-005	0.0691
Vendor	3.0000e-005	1.2700e-003	3.9000e-004	1.0000e-005	1.9000e-004	1.0000e-005	2.0000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.5583	0.5583	1.0000e-005	8.0000e-005	0.5830
Worker	1.0700e-003	7.1000e-004	9.5400e-003	3.0000e-005	3.6200e-003	2.0000e-005	3.6300e-003	9.6000e-004	2.0000e-005	9.8000e-004	0.0000	2.7202	2.7202	7.0000e-005	7.0000e-005	2.7433
Total	**1.1000e-003**	**2.1400e-003**	**9.9800e-003**	**4.0000e-005**	**3.8300e-003**	**3.0000e-005**	**3.8500e-003**	**1.0200e-003**	**3.0000e-005**	**1.0500e-003**	**0.0000**	**3.3444**	**3.3444**	**8.0000e-005**	**1.6000e-004**	**3.3954**

3.13 P.3 Build C Concrete Found - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.13 P.3 Build C Concrete Found - 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	4.3000e-004	0.0180	5.5800e-003	8.0000e-005	2.6700e-003	1.1000e-004	2.7700e-003	7.7000e-004	1.0000e-004	8.7000e-004	0.0000	7.9342	7.9342	1.7000e-004	1.1600e-003	8.2851
Worker	0.0106	7.0400e-003	0.0946	2.9000e-004	0.0359	1.7000e-004	0.0360	9.5400e-003	1.6000e-004	9.7000e-003	0.0000	26.9778	26.9778	7.2000e-004	7.1000e-004	27.2071
Total	**0.0110**	**0.0251**	**0.1002**	**3.7000e-004**	**0.0385**	**2.8000e-004**	**0.0388**	**0.0103**	**2.6000e-004**	**0.0106**	**0.0000**	**34.9120**	**34.9120**	**8.9000e-004**	**1.8700e-003**	**35.4922**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.13 P.3 Build C Concrete Found - 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	4.3000e-004	0.0180	5.5800e-003	8.0000e-005	2.6700e-003	1.1000e-004	2.7700e-003	7.7000e-004	1.0000e-004	8.7000e-004	0.0000	7.9342	7.9342	1.7000e-004	1.1600e-003	8.2851
Worker	0.0106	7.0400e-003	0.0946	2.9000e-004	0.0359	1.7000e-004	0.0360	9.5400e-003	1.6000e-004	9.7000e-003	0.0000	26.9778	26.9778	7.2000e-004	7.1000e-004	27.2071
Total	**0.0110**	**0.0251**	**0.1002**	**3.7000e-004**	**0.0385**	**2.8000e-004**	**0.0388**	**0.0103**	**2.6000e-004**	**0.0106**	**0.0000**	**34.9120**	**34.9120**	**8.9000e-004**	**1.8700e-003**	**35.4922**

3.14 P.1 Fitness Build Frame - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.14 P.1 Fitness Build Frame - 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	1.0000e-004	4.1900e-003	1.2900e-003	2.0000e-005	6.2000e-004	2.0000e-005	6.4000e-004	1.8000e-004	2.0000e-005	2.0000e-004	0.0000	1.8415	1.8415	4.0000e-005	2.7000e-004	1.9230
Worker	2.8600e-003	1.9000e-003	0.0256	8.0000e-005	9.6900e-003	5.0000e-005	9.7400e-003	2.5800e-003	4.0000e-005	2.6200e-003	0.0000	7.2895	7.2895	1.9000e-004	1.9000e-004	7.3515
Total	**2.9600e-003**	**6.0900e-003**	**0.0269**	**1.0000e-004**	**0.0103**	**7.0000e-005**	**0.0104**	**2.7600e-003**	**6.0000e-005**	**2.8200e-003**	**0.0000**	**9.1310**	**9.1310**	**2.3000e-004**	**4.6000e-004**	**9.2744**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.14 P.1 Fitness Build Frame - 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	1.0000e-004	4.1900e-003	1.2900e-003	2.0000e-005	6.2000e-004	2.0000e-005	6.4000e-004	1.8000e-004	2.0000e-005	2.0000e-004	0.0000	1.8415	1.8415	4.0000e-005	2.7000e-004	1.9230
Worker	2.8600e-003	1.9000e-003	0.0256	8.0000e-005	9.6900e-003	5.0000e-005	9.7400e-003	2.5800e-003	4.0000e-005	2.6200e-003	0.0000	7.2895	7.2895	1.9000e-004	1.9000e-004	7.3515
Total	**2.9600e-003**	**6.0900e-003**	**0.0269**	**1.0000e-004**	**0.0103**	**7.0000e-005**	**0.0104**	**2.7600e-003**	**6.0000e-005**	**2.8200e-003**	**0.0000**	**9.1310**	**9.1310**	**2.3000e-004**	**4.6000e-004**	**9.2744**

3.15 P.2 Build B Overall - 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	0.0777	0.7516	0.8890	1.6000e-003		0.0302	0.0302		0.0282	0.0282	0.0000	136.5454	136.5454	0.0389	0.0000	137.5178
Total	**0.0777**	**0.7516**	**0.8890**	**1.6000e-003**		**0.0302**	**0.0302**		**0.0282**	**0.0282**	**0.0000**	**136.5454**	**136.5454**	**0.0389**	**0.0000**	**137.5178**

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

3.15 P.2 Build B Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0715	0.6658	0.7182	1.3400e-003		0.0286	0.0286		0.0267	0.0267	0.0000	113.4120	113.4120	0.0316	0.0000	114.2015
Total	**0.0715**	**0.6658**	**0.7182**	**1.3400e-003**		**0.0286**	**0.0286**		**0.0267**	**0.0267**	**0.0000**	**113.4120**	**113.4120**	**0.0316**	**0.0000**	**114.2015**

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

3.15 P.2 Build B Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.15 P.2 Build B Overall - 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	0.0397	0.3868	0.4815	8.8000e-004		0.0146	0.0146		0.0136	0.0136	0.0000	74.5824	74.5824	0.0212	0.0000	75.1122
Total	**0.0397**	**0.3868**	**0.4815**	**8.8000e-004**		**0.0146**	**0.0146**		**0.0136**	**0.0136**	**0.0000**	**74.5824**	**74.5824**	**0.0212**	**0.0000**	**75.1122**

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

3.15 P.2 Build B Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0364	0.3404	0.3883	7.3000e-004		0.0137	0.0137		0.0128	0.0128	0.0000	61.9465	61.9465	0.0172	0.0000	62.3763
Total	**0.0364**	**0.3404**	**0.3883**	**7.3000e-004**		**0.0137**	**0.0137**		**0.0128**	**0.0128**	**0.0000**	**61.9465**	**61.9465**	**0.0172**	**0.0000**	**62.3763**

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

3.15 P.2 Build B Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.16 P.2 Build B Concrete Found - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.16 P.2 Build B Concrete Found - 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	6.7000e-004	0.0279	8.6100e-003	1.3000e-004	4.1200e-003	1.7000e-004	4.2800e-003	1.1900e-003	1.6000e-004	1.3500e-003	0.0000	12.2539	12.2539	2.6000e-004	1.8000e-003	12.7959
Worker	0.0117	7.7900e-003	0.1047	3.2000e-004	0.0397	1.9000e-004	0.0399	0.0106	1.7000e-004	0.0107	0.0000	29.8501	29.8501	7.9000e-004	7.8000e-004	30.1037
Total	**0.0124**	**0.0357**	**0.1133**	**4.5000e-004**	**0.0438**	**3.6000e-004**	**0.0442**	**0.0118**	**3.3000e-004**	**0.0121**	**0.0000**	**42.1040**	**42.1040**	**1.0500e-003**	**2.5800e-003**	**42.8996**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.16 P.2 Build B Concrete Found - 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	6.7000e-004	0.0279	8.6100e-003	1.3000e-004	4.1200e-003	1.7000e-004	4.2800e-003	1.1900e-003	1.6000e-004	1.3500e-003	0.0000	12.2539	12.2539	2.6000e-004	1.8000e-003	12.7959
Worker	0.0117	7.7900e-003	0.1047	3.2000e-004	0.0397	1.9000e-004	0.0399	0.0106	1.7000e-004	0.0107	0.0000	29.8501	29.8501	7.9000e-004	7.8000e-004	30.1037
Total	**0.0124**	**0.0357**	**0.1133**	**4.5000e-004**	**0.0438**	**3.6000e-004**	**0.0442**	**0.0118**	**3.3000e-004**	**0.0121**	**0.0000**	**42.1040**	**42.1040**	**1.0500e-003**	**2.5800e-003**	**42.8996**

3.17 P.3 Build C Build Frame - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.17 P.3 Build C Build Frame - 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	1.6000e-004	6.8600e-003	2.1200e-003	3.0000e-005	1.0100e-003	4.0000e-005	1.0500e-003	2.9000e-004	4.0000e-005	3.3000e-004	0.0000	3.0170	3.0170	6.0000e-005	4.4000e-004	3.1504
Worker	4.6900e-003	3.1200e-003	0.0419	1.3000e-004	0.0159	8.0000e-005	0.0160	4.2200e-003	7.0000e-005	4.2900e-003	0.0000	11.9424	11.9424	3.2000e-004	3.1000e-004	12.0439
Total	**4.8500e-003**	**9.9800e-003**	**0.0440**	**1.6000e-004**	**0.0169**	**1.2000e-004**	**0.0170**	**4.5100e-003**	**1.1000e-004**	**4.6200e-003**	**0.0000**	**14.9594**	**14.9594**	**3.8000e-004**	**7.5000e-004**	**15.1943**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.17 P.3 Build C Build Frame - 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	1.6000e-004	6.8600e-003	2.1200e-003	3.0000e-005	1.0100e-003	4.0000e-005	1.0500e-003	2.9000e-004	4.0000e-005	3.3000e-004	0.0000	3.0170	3.0170	6.0000e-005	4.4000e-004	3.1504
Worker	4.6900e-003	3.1200e-003	0.0419	1.3000e-004	0.0159	8.0000e-005	0.0160	4.2200e-003	7.0000e-005	4.2900e-003	0.0000	11.9424	11.9424	3.2000e-004	3.1000e-004	12.0439
Total	**4.8500e-003**	**9.9800e-003**	**0.0440**	**1.6000e-004**	**0.0169**	**1.2000e-004**	**0.0170**	**4.5100e-003**	**1.1000e-004**	**4.6200e-003**	**0.0000**	**14.9594**	**14.9594**	**3.8000e-004**	**7.5000e-004**	**15.1943**

3.18 P.2 Build B Build Frame - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.18 P.2 Build B Build Frame - 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	1.1000e-004	4.5400e-003	1.4000e-003	2.0000e-005	6.7000e-004	3.0000e-005	7.0000e-004	1.9000e-004	3.0000e-005	2.2000e-004	0.0000	1.9982	1.9982	4.0000e-005	2.9000e-004	2.0866
Worker	2.0900e-003	1.3900e-003	0.0187	6.0000e-005	7.0800e-003	3.0000e-005	7.1100e-003	1.8800e-003	3.0000e-005	1.9100e-003	0.0000	5.3240	5.3240	1.4000e-004	1.4000e-004	5.3692
Total	**2.2000e-003**	**5.9300e-003**	**0.0201**	**8.0000e-005**	**7.7500e-003**	**6.0000e-005**	**7.8100e-003**	**2.0700e-003**	**6.0000e-005**	**2.1300e-003**	**0.0000**	**7.3222**	**7.3222**	**1.8000e-004**	**4.3000e-004**	**7.4558**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.18 P.2 Build B Build Frame - 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	1.1000e-004	4.5400e-003	1.4000e-003	2.0000e-005	6.7000e-004	3.0000e-005	7.0000e-004	1.9000e-004	3.0000e-005	2.2000e-004	0.0000	1.9982	1.9982	4.0000e-005	2.9000e-004	2.0866
Worker	2.0900e-003	1.3900e-003	0.0187	6.0000e-005	7.0800e-003	3.0000e-005	7.1100e-003	1.8800e-003	3.0000e-005	1.9100e-003	0.0000	5.3240	5.3240	1.4000e-004	1.4000e-004	5.3692
Total	**2.2000e-003**	**5.9300e-003**	**0.0201**	**8.0000e-005**	**7.7500e-003**	**6.0000e-005**	**7.8100e-003**	**2.0700e-003**	**6.0000e-005**	**2.1300e-003**	**0.0000**	**7.3222**	**7.3222**	**1.8000e-004**	**4.3000e-004**	**7.4558**

3.19 P.3 Meeting Hall Overall - 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	6.4400e-003	0.0642	0.0747	1.4000e-004		2.5500e-003	2.5500e-003		2.3800e-003	2.3800e-003	0.0000	11.9160	11.9160	3.5300e-003	0.0000	12.0043
Total	**6.4400e-003**	**0.0642**	**0.0747**	**1.4000e-004**		**2.5500e-003**	**2.5500e-003**		**2.3800e-003**	**2.3800e-003**	**0.0000**	**11.9160**	**11.9160**	**3.5300e-003**	**0.0000**	**12.0043**

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

3.19 P.3 Meeting Hall Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.0300e-003	0.0587	0.0640	1.2000e-004		2.4500e-003	2.4500e-003		2.2800e-003	2.2800e-003	0.0000	10.4642	10.4642	3.0700e-003	0.0000	10.5411
Total	**6.0300e-003**	**0.0587**	**0.0640**	**1.2000e-004**		**2.4500e-003**	**2.4500e-003**		**2.2800e-003**	**2.2800e-003**	**0.0000**	**10.4642**	**10.4642**	**3.0700e-003**	**0.0000**	**10.5411**

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

3.19 P.3 Meeting Hall Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.19 P.3 Meeting Hall Overall - 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	0.0648	0.6464	0.7945	1.4900e-003		0.0243	0.0243		0.0226	0.0226	0.0000	127.8879	127.8879	0.0378	0.0000	128.8332
Total	**0.0648**	**0.6464**	**0.7945**	**1.4900e-003**		**0.0243**	**0.0243**		**0.0226**	**0.0226**	**0.0000**	**127.8879**	**127.8879**	**0.0378**	**0.0000**	**128.8332**

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

3.19 P.3 Meeting Hall Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0604	0.5881	0.6798	1.3100e-003		0.0231	0.0231		0.0215	0.0215	0.0000	112.3051	112.3051	0.0329	0.0000	113.1284
Total	**0.0604**	**0.5881**	**0.6798**	**1.3100e-003**		**0.0231**	**0.0231**		**0.0215**	**0.0215**	**0.0000**	**112.3051**	**112.3051**	**0.0329**	**0.0000**	**113.1284**

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

3.19 P.3 Meeting Hall Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.20 P.3 Meeting Hall Concrete Found - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.20 P.3 Meeting Hall Concrete Found - 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	3.0000e-004	0.0127	3.8800e-003	6.0000e-005	1.8800e-003	8.0000e-005	1.9600e-003	5.4000e-004	7.0000e-005	6.2000e-004	0.0000	5.5079	5.5079	1.2000e-004	8.1000e-004	5.7511
Worker	1.5500e-003	9.9000e-004	0.0138	4.0000e-005	5.5700e-003	3.0000e-005	5.5900e-003	1.4800e-003	2.0000e-005	1.5000e-003	0.0000	4.0893	4.0893	1.0000e-004	1.0000e-004	4.1226
Total	**1.8500e-003**	**0.0137**	**0.0177**	**1.0000e-004**	**7.4500e-003**	**1.1000e-004**	**7.5500e-003**	**2.0200e-003**	**9.0000e-005**	**2.1200e-003**	**0.0000**	**9.5972**	**9.5972**	**2.2000e-004**	**9.1000e-004**	**9.8736**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.20 P.3 Meeting Hall Concrete Found - 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	3.0000e-004	0.0127	3.8800e-003	6.0000e-005	1.8800e-003	8.0000e-005	1.9600e-003	5.4000e-004	7.0000e-005	6.2000e-004	0.0000	5.5079	5.5079	1.2000e-004	8.1000e-004	5.7511
Worker	1.5500e-003	9.9000e-004	0.0138	4.0000e-005	5.5700e-003	3.0000e-005	5.5900e-003	1.4800e-003	2.0000e-005	1.5000e-003	0.0000	4.0893	4.0893	1.0000e-004	1.0000e-004	4.1226
Total	**1.8500e-003**	**0.0137**	**0.0177**	**1.0000e-004**	**7.4500e-003**	**1.1000e-004**	**7.5500e-003**	**2.0200e-003**	**9.0000e-005**	**2.1200e-003**	**0.0000**	**9.5972**	**9.5972**	**2.2000e-004**	**9.1000e-004**	**9.8736**

3.21 P.3 Meeting Hall Build Frame - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.21 P.3 Meeting Hall Build Frame - 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	6.0000e-005	2.4000e-003	7.3000e-004	1.0000e-005	3.6000e-004	1.0000e-005	3.7000e-004	1.0000e-004	1.0000e-005	1.2000e-004	0.0000	1.0400	1.0400	2.0000e-005	1.5000e-004	1.0859
Worker	5.1000e-004	3.2000e-004	4.5100e-003	1.0000e-005	1.8200e-003	1.0000e-005	1.8300e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.3369	1.3369	3.0000e-005	3.0000e-005	1.3478
Total	**5.7000e-004**	**2.7200e-003**	**5.2400e-003**	**2.0000e-005**	**2.1800e-003**	**2.0000e-005**	**2.2000e-003**	**5.8000e-004**	**2.0000e-005**	**6.1000e-004**	**0.0000**	**2.3768**	**2.3768**	**5.0000e-005**	**1.8000e-004**	**2.4336**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.21 P.3 Meeting Hall Build Frame - 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	6.0000e-005	2.4000e-003	7.3000e-004	1.0000e-005	3.6000e-004	1.0000e-005	3.7000e-004	1.0000e-004	1.0000e-005	1.2000e-004	0.0000	1.0400	1.0400	2.0000e-005	1.5000e-004	1.0859
Worker	5.1000e-004	3.2000e-004	4.5100e-003	1.0000e-005	1.8200e-003	1.0000e-005	1.8300e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.3369	1.3369	3.0000e-005	3.0000e-005	1.3478
Total	**5.7000e-004**	**2.7200e-003**	**5.2400e-003**	**2.0000e-005**	**2.1800e-003**	**2.0000e-005**	**2.2000e-003**	**5.8000e-004**	**2.0000e-005**	**6.1000e-004**	**0.0000**	**2.3768**	**2.3768**	**5.0000e-005**	**1.8000e-004**	**2.4336**

3.22 P.1 Build A Building Exterior - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	7.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.6000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.22 P.1 Build A Building Exterior - 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	1.1000e-004	4.5400e-003	1.4000e-003	2.0000e-005	6.7000e-004	3.0000e-005	7.0000e-004	1.9000e-004	3.0000e-005	2.2000e-004	0.0000	1.9982	1.9982	4.0000e-005	2.9000e-004	2.0866
Worker	3.1900e-003	2.1200e-003	0.0285	9.0000e-005	0.0108	5.0000e-005	0.0108	2.8700e-003	5.0000e-005	2.9200e-003	0.0000	8.1127	8.1127	2.2000e-004	2.1000e-004	8.1817
Total	**3.3000e-003**	**6.6600e-003**	**0.0299**	**1.1000e-004**	**0.0115**	**8.0000e-005**	**0.0115**	**3.0600e-003**	**8.0000e-005**	**3.1400e-003**	**0.0000**	**10.1110**	**10.1110**	**2.6000e-004**	**5.0000e-004**	**10.2683**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	7.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.6000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.22 P.1 Build A Building Exterior - 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	1.1000e-004	4.5400e-003	1.4000e-003	2.0000e-005	6.7000e-004	3.0000e-005	7.0000e-004	1.9000e-004	3.0000e-005	2.2000e-004	0.0000	1.9982	1.9982	4.0000e-005	2.9000e-004	2.0866
Worker	3.1900e-003	2.1200e-003	0.0285	9.0000e-005	0.0108	5.0000e-005	0.0108	2.8700e-003	5.0000e-005	2.9200e-003	0.0000	8.1127	8.1127	2.2000e-004	2.1000e-004	8.1817
Total	**3.3000e-003**	**6.6600e-003**	**0.0299**	**1.1000e-004**	**0.0115**	**8.0000e-005**	**0.0115**	**3.0600e-003**	**8.0000e-005**	**3.1400e-003**	**0.0000**	**10.1110**	**10.1110**	**2.6000e-004**	**5.0000e-004**	**10.2683**

3.23 P.1 Fitness Building Exterior - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	7.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.6000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.23 P.1 Fitness Building Exterior - 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	6.0000e-005	2.4700e-003	7.6000e-004	1.0000e-005	3.7000e-004	1.0000e-005	3.8000e-004	1.1000e-004	1.0000e-005	1.2000e-004	0.0000	1.0873	1.0873	2.0000e-005	1.6000e-004	1.1354
Worker	1.7300e-003	1.1500e-003	0.0155	5.0000e-005	5.8700e-003	3.0000e-005	5.9000e-003	1.5600e-003	3.0000e-005	1.5900e-003	0.0000	4.4143	4.4143	1.2000e-004	1.2000e-004	4.4518
Total	**1.7900e-003**	**3.6200e-003**	**0.0162**	**6.0000e-005**	**6.2400e-003**	**4.0000e-005**	**6.2800e-003**	**1.6700e-003**	**4.0000e-005**	**1.7100e-003**	**0.0000**	**5.5016**	**5.5016**	**1.4000e-004**	**2.8000e-004**	**5.5872**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	7.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.6000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.23 P.1 Fitness Building Exterior - 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	6.0000e-005	2.4700e-003	7.6000e-004	1.0000e-005	3.7000e-004	1.0000e-005	3.8000e-004	1.1000e-004	1.0000e-005	1.2000e-004	0.0000	1.0873	1.0873	2.0000e-005	1.6000e-004	1.1354
Worker	1.7300e-003	1.1500e-003	0.0155	5.0000e-005	5.8700e-003	3.0000e-005	5.9000e-003	1.5600e-003	3.0000e-005	1.5900e-003	0.0000	4.4143	4.4143	1.2000e-004	1.2000e-004	4.4518
Total	**1.7900e-003**	**3.6200e-003**	**0.0162**	**6.0000e-005**	**6.2400e-003**	**4.0000e-005**	**6.2800e-003**	**1.6700e-003**	**4.0000e-005**	**1.7100e-003**	**0.0000**	**5.5016**	**5.5016**	**1.4000e-004**	**2.8000e-004**	**5.5872**

3.24 P.3 Build C Building Exterior - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	4.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.3000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.24 P.3 Build C Building Exterior - 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	6.0000e-005	2.6700e-003	8.3000e-004	1.0000e-005	3.9000e-004	2.0000e-005	4.1000e-004	1.1000e-004	2.0000e-005	1.3000e-004	0.0000	1.1754	1.1754	2.0000e-005	1.7000e-004	1.2274
Worker	2.0200e-003	1.3400e-003	0.0180	5.0000e-005	6.8200e-003	3.0000e-005	6.8500e-003	1.8100e-003	3.0000e-005	1.8400e-003	0.0000	5.1301	5.1301	1.4000e-004	1.3000e-004	5.1737
Total	**2.0800e-003**	**4.0100e-003**	**0.0188**	**6.0000e-005**	**7.2100e-003**	**5.0000e-005**	**7.2600e-003**	**1.9200e-003**	**5.0000e-005**	**1.9700e-003**	**0.0000**	**6.3055**	**6.3055**	**1.6000e-004**	**3.0000e-004**	**6.4011**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	4.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.3000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.24 P.3 Build C Building Exterior - 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	6.0000e-005	2.6700e-003	8.3000e-004	1.0000e-005	3.9000e-004	2.0000e-005	4.1000e-004	1.1000e-004	2.0000e-005	1.3000e-004	0.0000	1.1754	1.1754	2.0000e-005	1.7000e-004	1.2274
Worker	2.0200e-003	1.3400e-003	0.0180	5.0000e-005	6.8200e-003	3.0000e-005	6.8500e-003	1.8100e-003	3.0000e-005	1.8400e-003	0.0000	5.1301	5.1301	1.4000e-004	1.3000e-004	5.1737
Total	**2.0800e-003**	**4.0100e-003**	**0.0188**	**6.0000e-005**	**7.2100e-003**	**5.0000e-005**	**7.2600e-003**	**1.9200e-003**	**5.0000e-005**	**1.9700e-003**	**0.0000**	**6.3055**	**6.3055**	**1.6000e-004**	**3.0000e-004**	**6.4011**

3.24 P.3 Build C Building Exterior - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	3.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.3000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.24 P.3 Build C Building Exterior - 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	5.0000e-005	2.0600e-003	6.3000e-004	1.0000e-005	3.1000e-004	1.0000e-005	3.2000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	0.8955	0.8955	2.0000e-005	1.3000e-004	0.9351
Worker	1.4700e-003	9.4000e-004	0.0131	4.0000e-005	5.2900e-003	2.0000e-005	5.3100e-003	1.4100e-003	2.0000e-005	1.4300e-003	0.0000	3.8825	3.8825	1.0000e-004	1.0000e-004	3.9141
Total	**1.5200e-003**	**3.0000e-003**	**0.0137**	**5.0000e-005**	**5.6000e-003**	**3.0000e-005**	**5.6300e-003**	**1.5000e-003**	**3.0000e-005**	**1.5300e-003**	**0.0000**	**4.7780**	**4.7780**	**1.2000e-004**	**2.3000e-004**	**4.8491**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	3.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.3000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.24 P.3 Build C Building Exterior - 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	5.0000e-005	2.0600e-003	6.3000e-004	1.0000e-005	3.1000e-004	1.0000e-005	3.2000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	0.8955	0.8955	2.0000e-005	1.3000e-004	0.9351
Worker	1.4700e-003	9.4000e-004	0.0131	4.0000e-005	5.2900e-003	2.0000e-005	5.3100e-003	1.4100e-003	2.0000e-005	1.4300e-003	0.0000	3.8825	3.8825	1.0000e-004	1.0000e-004	3.9141
Total	**1.5200e-003**	**3.0000e-003**	**0.0137**	**5.0000e-005**	**5.6000e-003**	**3.0000e-005**	**5.6300e-003**	**1.5000e-003**	**3.0000e-005**	**1.5300e-003**	**0.0000**	**4.7780**	**4.7780**	**1.2000e-004**	**2.3000e-004**	**4.8491**

3.25 P.2 Build B Build Exterior - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	2.2000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.2000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.25 P.2 Build B Build Exterior - 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	3.0000e-005	1.3400e-003	4.1000e-004	1.0000e-005	2.0000e-004	1.0000e-005	2.1000e-004	6.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.5877	0.5877	1.0000e-005	9.0000e-005	0.6137
Worker	5.5000e-004	3.6000e-004	4.8600e-003	1.0000e-005	1.8400e-003	1.0000e-005	1.8500e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.3869	1.3869	4.0000e-005	4.0000e-005	1.3987
Total	**5.8000e-004**	**1.7000e-003**	**5.2700e-003**	**2.0000e-005**	**2.0400e-003**	**2.0000e-005**	**2.0600e-003**	**5.5000e-004**	**2.0000e-005**	**5.6000e-004**	**0.0000**	**1.9746**	**1.9746**	**5.0000e-005**	**1.3000e-004**	**2.0124**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	2.2000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.2000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.25 P.2 Build B Build Exterior - 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	3.0000e-005	1.3400e-003	4.1000e-004	1.0000e-005	2.0000e-004	1.0000e-005	2.1000e-004	6.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.5877	0.5877	1.0000e-005	9.0000e-005	0.6137
Worker	5.5000e-004	3.6000e-004	4.8600e-003	1.0000e-005	1.8400e-003	1.0000e-005	1.8500e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.3869	1.3869	4.0000e-005	4.0000e-005	1.3987
Total	**5.8000e-004**	**1.7000e-003**	**5.2700e-003**	**2.0000e-005**	**2.0400e-003**	**2.0000e-005**	**2.0600e-003**	**5.5000e-004**	**2.0000e-005**	**5.6000e-004**	**0.0000**	**1.9746**	**1.9746**	**5.0000e-005**	**1.3000e-004**	**2.0124**

3.25 P.2 Build B Build Exterior - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	5.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**5.4000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.25 P.2 Build B Build Exterior - 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	8.0000e-005	3.1900e-003	9.8000e-004	1.0000e-005	4.7000e-004	2.0000e-005	4.9000e-004	1.4000e-004	2.0000e-005	1.6000e-004	0.0000	1.3866	1.3866	3.0000e-005	2.0000e-004	1.4478
Worker	1.2300e-003	7.8000e-004	0.0110	3.0000e-005	4.4300e-003	2.0000e-005	4.4500e-003	1.1800e-003	2.0000e-005	1.2000e-003	0.0000	3.2504	3.2504	8.0000e-005	8.0000e-005	3.2769
Total	**1.3100e-003**	**3.9700e-003**	**0.0120**	**4.0000e-005**	**4.9000e-003**	**4.0000e-005**	**4.9400e-003**	**1.3200e-003**	**4.0000e-005**	**1.3600e-003**	**0.0000**	**4.6371**	**4.6371**	**1.1000e-004**	**2.8000e-004**	**4.7247**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	5.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**5.4000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.25 P.2 Build B Build Exterior - 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	8.0000e-005	3.1900e-003	9.8000e-004	1.0000e-005	4.7000e-004	2.0000e-005	4.9000e-004	1.4000e-004	2.0000e-005	1.6000e-004	0.0000	1.3866	1.3866	3.0000e-005	2.0000e-004	1.4478
Worker	1.2300e-003	7.8000e-004	0.0110	3.0000e-005	4.4300e-003	2.0000e-005	4.4500e-003	1.1800e-003	2.0000e-005	1.2000e-003	0.0000	3.2504	3.2504	8.0000e-005	8.0000e-005	3.2769
Total	**1.3100e-003**	**3.9700e-003**	**0.0120**	**4.0000e-005**	**4.9000e-003**	**4.0000e-005**	**4.9400e-003**	**1.3200e-003**	**4.0000e-005**	**1.3600e-003**	**0.0000**	**4.6371**	**4.6371**	**1.1000e-004**	**2.8000e-004**	**4.7247**

3.26 P.3 Meeting Hall Build Exterior - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	7.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.6000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.26 P.3 Meeting Hall Build Exterior - 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	8.0000e-005	3.1900e-003	9.8000e-004	1.0000e-005	4.7000e-004	2.0000e-005	4.9000e-004	1.4000e-004	2.0000e-005	1.6000e-004	0.0000	1.3866	1.3866	3.0000e-005	2.0000e-004	1.4478
Worker	8.7000e-004	5.6000e-004	7.7800e-003	2.0000e-005	3.1400e-003	1.0000e-005	3.1500e-003	8.4000e-004	1.0000e-005	8.5000e-004	0.0000	2.3068	2.3068	6.0000e-005	6.0000e-005	2.3256
Total	**9.5000e-004**	**3.7500e-003**	**8.7600e-003**	**3.0000e-005**	**3.6100e-003**	**3.0000e-005**	**3.6400e-003**	**9.8000e-004**	**3.0000e-005**	**1.0100e-003**	**0.0000**	**3.6934**	**3.6934**	**9.0000e-005**	**2.6000e-004**	**3.7734**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	7.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.6000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.26 P.3 Meeting Hall Build Exterior - 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	8.0000e-005	3.1900e-003	9.8000e-004	1.0000e-005	4.7000e-004	2.0000e-005	4.9000e-004	1.4000e-004	2.0000e-005	1.6000e-004	0.0000	1.3866	1.3866	3.0000e-005	2.0000e-004	1.4478
Worker	8.7000e-004	5.6000e-004	7.7800e-003	2.0000e-005	3.1400e-003	1.0000e-005	3.1500e-003	8.4000e-004	1.0000e-005	8.5000e-004	0.0000	2.3068	2.3068	6.0000e-005	6.0000e-005	2.3256
Total	**9.5000e-004**	**3.7500e-003**	**8.7600e-003**	**3.0000e-005**	**3.6100e-003**	**3.0000e-005**	**3.6400e-003**	**9.8000e-004**	**3.0000e-005**	**1.0100e-003**	**0.0000**	**3.6934**	**3.6934**	**9.0000e-005**	**2.6000e-004**	**3.7734**

3.27 P.1 Fitness Interiors - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.8151**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.27 P.1 Fitness Interiors - 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	9.0000e-005	3.6500e-003	1.1300e-003	2.0000e-005	5.4000e-004	2.0000e-005	5.6000e-004	1.6000e-004	2.0000e-005	1.8000e-004	0.0000	1.6064	1.6064	3.0000e-005	2.4000e-004	1.6775
Worker	2.3600e-003	1.5600e-003	0.0210	6.0000e-005	7.9700e-003	4.0000e-005	8.0000e-003	2.1200e-003	3.0000e-005	2.1500e-003	0.0000	5.9921	5.9921	1.6000e-004	1.6000e-004	6.0430
Total	**2.4500e-003**	**5.2100e-003**	**0.0222**	**8.0000e-005**	**8.5100e-003**	**6.0000e-005**	**8.5600e-003**	**2.2800e-003**	**5.0000e-005**	**2.3300e-003**	**0.0000**	**7.5985**	**7.5985**	**1.9000e-004**	**4.0000e-004**	**7.7205**

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	0.8151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.8151**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.27 P.1 Fitness Interiors - 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	9.0000e-005	3.6500e-003	1.1300e-003	2.0000e-005	5.4000e-004	2.0000e-005	5.6000e-004	1.6000e-004	2.0000e-005	1.8000e-004	0.0000	1.6064	1.6064	3.0000e-005	2.4000e-004	1.6775
Worker	2.3600e-003	1.5600e-003	0.0210	6.0000e-005	7.9700e-003	4.0000e-005	8.0000e-003	2.1200e-003	3.0000e-005	2.1500e-003	0.0000	5.9921	5.9921	1.6000e-004	1.6000e-004	6.0430
Total	**2.4500e-003**	**5.2100e-003**	**0.0222**	**8.0000e-005**	**8.5100e-003**	**6.0000e-005**	**8.5600e-003**	**2.2800e-003**	**5.0000e-005**	**2.3300e-003**	**0.0000**	**7.5985**	**7.5985**	**1.9000e-004**	**4.0000e-004**	**7.7205**

3.28 P.1 Build A Interiors - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.8151**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.28 P.1 Build A Interiors - 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	2.4000e-004	9.9800e-003	3.0800e-003	5.0000e-005	1.4700e-003	6.0000e-005	1.5300e-003	4.3000e-004	6.0000e-005	4.8000e-004	0.0000	4.3883	4.3883	9.0000e-005	6.4000e-004	4.5824
Worker	0.0131	8.7200e-003	0.1172	3.6000e-004	0.0444	2.1000e-004	0.0446	0.0118	1.9000e-004	0.0120	0.0000	33.4053	33.4053	8.9000e-004	8.8000e-004	33.6892
Total	**0.0134**	**0.0187**	**0.1203**	**4.1000e-004**	**0.0459**	**2.7000e-004**	**0.0462**	**0.0122**	**2.5000e-004**	**0.0125**	**0.0000**	**37.7936**	**37.7936**	**9.8000e-004**	**1.5200e-003**	**38.2716**

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	0.8151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.8151**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.28 P.1 Build A Interiors - 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	2.4000e-004	9.9800e-003	3.0800e-003	5.0000e-005	1.4700e-003	6.0000e-005	1.5300e-003	4.3000e-004	6.0000e-005	4.8000e-004	0.0000	4.3883	4.3883	9.0000e-005	6.4000e-004	4.5824
Worker	0.0131	8.7200e-003	0.1172	3.6000e-004	0.0444	2.1000e-004	0.0446	0.0118	1.9000e-004	0.0120	0.0000	33.4053	33.4053	8.9000e-004	8.8000e-004	33.6892
Total	**0.0134**	**0.0187**	**0.1203**	**4.1000e-004**	**0.0459**	**2.7000e-004**	**0.0462**	**0.0122**	**2.5000e-004**	**0.0125**	**0.0000**	**37.7936**	**37.7936**	**9.8000e-004**	**1.5200e-003**	**38.2716**

3.29 P.3 Build C Interiors - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.8151**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.29 P.3 Build C Interiors - 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	2.7000e-004	0.0115	3.5200e-003	5.0000e-005	1.7100e-003	7.0000e-005	1.7800e-003	4.9000e-004	7.0000e-005	5.6000e-004	0.0000	5.0072	5.0072	1.1000e-004	7.3000e-004	5.2283
Worker	0.0162	0.0103	0.1444	4.5000e-004	0.0583	2.6000e-004	0.0585	0.0155	2.4000e-004	0.0157	0.0000	42.7857	42.7857	1.0600e-003	1.0800e-003	43.1342
Total	**0.0165**	**0.0219**	**0.1479**	**5.0000e-004**	**0.0600**	**3.3000e-004**	**0.0603**	**0.0160**	**3.1000e-004**	**0.0163**	**0.0000**	**47.7929**	**47.7929**	**1.1700e-003**	**1.8100e-003**	**48.3624**

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	0.8151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.8151**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.29 P.3 Build C Interiors - 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	2.7000e-004	0.0115	3.5200e-003	5.0000e-005	1.7100e-003	7.0000e-005	1.7800e-003	4.9000e-004	7.0000e-005	5.6000e-004	0.0000	5.0072	5.0072	1.1000e-004	7.3000e-004	5.2283
Worker	0.0162	0.0103	0.1444	4.5000e-004	0.0583	2.6000e-004	0.0585	0.0155	2.4000e-004	0.0157	0.0000	42.7857	42.7857	1.0600e-003	1.0800e-003	43.1342
Total	**0.0165**	**0.0219**	**0.1479**	**5.0000e-004**	**0.0600**	**3.3000e-004**	**0.0603**	**0.0160**	**3.1000e-004**	**0.0163**	**0.0000**	**47.7929**	**47.7929**	**1.1700e-003**	**1.8100e-003**	**48.3624**

3.30 P.2 Build B Interiors - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.8151**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.30 P.2 Build B Interiors - 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	2.0000e-004	8.4300e-003	2.5800e-003	4.0000e-005	1.2500e-003	5.0000e-005	1.3000e-003	3.6000e-004	5.0000e-005	4.1000e-004	0.0000	3.6591	3.6591	8.0000e-005	5.4000e-004	3.8206
Worker	8.6100e-003	5.4700e-003	0.0766	2.4000e-004	0.0309	1.4000e-004	0.0310	8.2200e-003	1.3000e-004	8.3400e-003	0.0000	22.6889	22.6889	5.6000e-004	5.7000e-004	22.8737
Total	**8.8100e-003**	**0.0139**	**0.0791**	**2.8000e-004**	**0.0321**	**1.9000e-004**	**0.0323**	**8.5800e-003**	**1.8000e-004**	**8.7500e-003**	**0.0000**	**26.3480**	**26.3480**	**6.4000e-004**	**1.1100e-003**	**26.6944**

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	0.8151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.8151**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.30 P.2 Build B Interiors - 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	2.0000e-004	8.4300e-003	2.5800e-003	4.0000e-005	1.2500e-003	5.0000e-005	1.3000e-003	3.6000e-004	5.0000e-005	4.1000e-004	0.0000	3.6591	3.6591	8.0000e-005	5.4000e-004	3.8206
Worker	8.6100e-003	5.4700e-003	0.0766	2.4000e-004	0.0309	1.4000e-004	0.0310	8.2200e-003	1.3000e-004	8.3400e-003	0.0000	22.6889	22.6889	5.6000e-004	5.7000e-004	22.8737
Total	**8.8100e-003**	**0.0139**	**0.0791**	**2.8000e-004**	**0.0321**	**1.9000e-004**	**0.0323**	**8.5800e-003**	**1.8000e-004**	**8.7500e-003**	**0.0000**	**26.3480**	**26.3480**	**6.4000e-004**	**1.1100e-003**	**26.6944**

3.31 P.3 Meeting Hall Interiors - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.8151**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.31 P.3 Meeting Hall Interiors - 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	8.0000e-005	3.5500e-003	1.0800e-003	2.0000e-005	5.3000e-004	2.0000e-005	5.5000e-004	1.5000e-004	2.0000e-005	1.7000e-004	0.0000	1.5407	1.5407	3.0000e-005	2.3000e-004	1.6087
Worker	1.6300e-003	1.0400e-003	0.0146	5.0000e-005	5.8700e-003	3.0000e-005	5.9000e-003	1.5600e-003	2.0000e-005	1.5900e-003	0.0000	4.3106	4.3106	1.1000e-004	1.1000e-004	4.3457
Total	**1.7100e-003**	**4.5900e-003**	**0.0156**	**7.0000e-005**	**6.4000e-003**	**5.0000e-005**	**6.4500e-003**	**1.7100e-003**	**4.0000e-005**	**1.7600e-003**	**0.0000**	**5.8513**	**5.8513**	**1.4000e-004**	**3.4000e-004**	**5.9544**

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	0.8151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.8151**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.31 P.3 Meeting Hall Interiors - 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	8.0000e-005	3.5500e-003	1.0800e-003	2.0000e-005	5.3000e-004	2.0000e-005	5.5000e-004	1.5000e-004	2.0000e-005	1.7000e-004	0.0000	1.5407	1.5407	3.0000e-005	2.3000e-004	1.6087
Worker	1.6300e-003	1.0400e-003	0.0146	5.0000e-005	5.8700e-003	3.0000e-005	5.9000e-003	1.5600e-003	2.0000e-005	1.5900e-003	0.0000	4.3106	4.3106	1.1000e-004	1.1000e-004	4.3457
Total	**1.7100e-003**	**4.5900e-003**	**0.0156**	**7.0000e-005**	**6.4000e-003**	**5.0000e-005**	**6.4500e-003**	**1.7100e-003**	**4.0000e-005**	**1.7600e-003**	**0.0000**	**5.8513**	**5.8513**	**1.4000e-004**	**3.4000e-004**	**5.9544**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Place of Worship	0.00	0.00	0.00		
Retirement Community	0.00	0.00	0.00		
Retirement Community	0.00	0.00	0.00		
Retirement Community	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

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

	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
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Place of Worship	9.50	7.30	7.30	0.00	95.00	5.00	64	25	11
Retirement Community	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Retirement Community	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Retirement Community	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.572464	0.055653	0.187060	0.115672	0.020329	0.005102	0.007934	0.006404	0.000900	0.000380	0.024412	0.000914	0.002776
Health Club	0.572464	0.055653	0.187060	0.115672	0.020329	0.005102	0.007934	0.006404	0.000900	0.000380	0.024412	0.000914	0.002776
Other Asphalt Surfaces	0.572464	0.055653	0.187060	0.115672	0.020329	0.005102	0.007934	0.006404	0.000900	0.000380	0.024412	0.000914	0.002776
Other Non-Asphalt Surfaces	0.572464	0.055653	0.187060	0.115672	0.020329	0.005102	0.007934	0.006404	0.000900	0.000380	0.024412	0.000914	0.002776
Place of Worship	0.572464	0.055653	0.187060	0.115672	0.020329	0.005102	0.007934	0.006404	0.000900	0.000380	0.024412	0.000914	0.002776
Retirement Community	0.572464	0.055653	0.187060	0.115672	0.020329	0.005102	0.007934	0.006404	0.000900	0.000380	0.024412	0.000914	0.002776

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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
Health Club	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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	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
Retirement Community	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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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
Health Club	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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	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
Retirement Community	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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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	0	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

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	0.4607	4.4700e-003	0.3884	2.0000e-005		2.1500e-003	2.1500e-003		2.1500e-003	2.1500e-003	0.0000	0.6358	0.6358	6.2000e-004	0.0000	0.6513
Unmitigated	0.4607	4.4700e-003	0.3884	2.0000e-005		2.1500e-003	2.1500e-003		2.1500e-003	2.1500e-003	0.0000	0.6358	0.6358	6.2000e-004	0.0000	0.6513

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4489					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0118	4.4700e-003	0.3884	2.0000e-005		2.1500e-003	2.1500e-003		2.1500e-003	2.1500e-003	0.0000	0.6358	0.6358	6.2000e-004	0.0000	0.6513
Total	**0.4607**	**4.4700e-003**	**0.3884**	**2.0000e-005**		**2.1500e-003**	**2.1500e-003**		**2.1500e-003**	**2.1500e-003**	**0.0000**	**0.6358**	**0.6358**	**6.2000e-004**	**0.0000**	**0.6513**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4489					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0118	4.4700e-003	0.3884	2.0000e-005		2.1500e-003	2.1500e-003		2.1500e-003	2.1500e-003	0.0000	0.6358	0.6358	6.2000e-004	0.0000	0.6513
Total	**0.4607**	**4.4700e-003**	**0.3884**	**2.0000e-005**		**2.1500e-003**	**2.1500e-003**		**2.1500e-003**	**2.1500e-003**	**0.0000**	**0.6358**	**0.6358**	**6.2000e-004**	**0.0000**	**0.6513**

7.0 Water Detail

7.1 Mitigation Measures Water

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Saratoga Retirement Community Expansion - Construction - Santa Clara 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

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
Health Club	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Place of Worship	0 / 0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

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
Health Club	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Place of Worship	0 / 0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Saratoga Retirement Community Expansion - Construction - Santa Clara 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
Health Club	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara 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

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
Health Club	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Saratoga Retirement Community Campus Expansion - Phase 4 - Santa Clara County, Annual

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

Saratoga Retirement Community Campus Expansion - Phase 4

Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Congregate Care (Assisted Living)	15.00	Dwelling Unit	0.94	15,000.00	43
Congregate Care (Assisted Living)	52.00	Dwelling Unit	3.25	52,000.00	149

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Phase 4 Construction Run Only

Land Use - Placeholder land uses only to account for Phase 4 construction activities within assisted living and health care building. No exterior construction activities.

Construction Phase - 2-year construction duration for Phase 4, separate phases to account for differing construction equipment usage. Paving phase included as placeholder only.

Off-road Equipment - Assumes 2 concrete/industrial saws utilized for 2 months per wing.

Off-road Equipment - Assumes 2 concrete/industrial saws utilized for 2 months per wing.

Off-road Equipment - Assumes 2 concrete/industrial saws utilized for 2 months per wing.

Off-road Equipment - Assumes 2 concrete/industrial saws utilized for 2 months per wing.

Off-road Equipment - Assumes 2 air compressors. Power tools to be powered by air compressor.

Trips and VMT - Assumes average of 10 workers per day, 10 haul trucks for debris off-haul.

Architectural Coating - No exterior changes.

Saratoga Retirement Community Campus Expansion - Phase 4 - Santa Clara County, Annual

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

Vehicle Trips - Construction only run.

Woodstoves - Construction only run.

Area Coating - Construction only run.

Energy Use - Construction only run.

Water And Wastewater - Construction only run.

Solid Waste - Construction only run.

Construction Off-road Equipment Mitigation - Mitigation to include use of Tier 4 Final for Equipment >50HP.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Residential_Exterior	45,225.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	45,225.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	45,225.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	45,225.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	45,225.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	135,675.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	135,675.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	135,675.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	135,675.00	0.00
tblAreaCoating	Area_Residential_Exterior	45225	0
tblAreaCoating	Area_Residential_Interior	135675	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	45.00
tblConstructionPhase	NumDays	18.00	45.00
tblConstructionPhase	NumDays	18.00	45.00
tblConstructionPhase	NumDays	18.00	45.00
tblConstructionPhase	NumDays	18.00	524.00

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

tblConstructionPhase	PhaseEndDate	8/22/2024	9/1/2023
tblConstructionPhase	PhaseStartDate	7/30/2024	7/3/2023
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	T24E	70.89	0.00
tblEnergyUse	T24NG	5,226.68	0.00
tblFireplaces	NumberGas	10.05	0.00
tblFireplaces	NumberWood	11.39	0.00
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		Interior Renovations - Saws Wing 1
tblOffRoadEquipment	PhaseName		Interior Renovations - Saws Wing 2
tblOffRoadEquipment	PhaseName		Interior Renovations - Saws Wing 3
tblOffRoadEquipment	PhaseName		Interior Renovations - Saws Wing 4
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00

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

tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblSolidWaste	SolidWasteGenerationRate	61.14	0.00
tblTripsAndVMT	HaulingTripLength	20.00	10.20
tblTripsAndVMT	HaulingTripNumber	0.00	20.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	20.00
tblVehicleTrips	ST_TR	2.93	0.00
tblVehicleTrips	SU_TR	3.15	0.00
tblVehicleTrips	WD_TR	2.60	0.00
tblWater	IndoorWaterUseRate	4,365,319.72	0.00
tblWater	OutdoorWaterUseRate	2,752,049.39	0.00
tblWoodstoves	NumberCatalytic	1.34	0.00
tblWoodstoves	NumberNoncatalytic	1.34	0.00

2.0 Emissions Summary

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

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.1295	0.3446	0.5077	8.8000e-004	0.0103	0.0181	0.0284	2.7500e-003	0.0181	0.0208	0.0000	76.4773	76.4773	4.0700e-003	2.3000e-004	76.6479
2024	0.2547	0.6475	1.0158	1.7700e-003	0.0208	0.0313	0.0522	5.5400e-003	0.0313	0.0369	0.0000	153.3678	153.3678	7.7400e-003	4.4000e-004	153.6911
2025	0.1255	0.3058	0.5084	8.9000e-004	0.0105	0.0133	0.0238	2.7900e-003	0.0133	0.0161	0.0000	76.8982	76.8982	3.7100e-003	2.1000e-004	77.0524
Maximum	**0.2547**	**0.6475**	**1.0158**	**1.7700e-003**	**0.0208**	**0.0313**	**0.0522**	**5.5400e-003**	**0.0313**	**0.0369**	**0.0000**	**153.3678**	**153.3678**	**7.7400e-003**	**4.4000e-004**	**153.6911**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.0892	0.0370	0.5204	8.8000e-004	0.0103	1.1100e-003	0.0115	2.7500e-003	1.1100e-003	3.8600e-003	0.0000	76.4773	76.4773	4.0700e-003	2.3000e-004	76.6478
2024	0.1794	0.0739	1.0423	1.7700e-003	0.0208	2.2400e-003	0.0231	5.5400e-003	2.2300e-003	7.7700e-003	0.0000	153.3676	153.3676	7.7400e-003	4.4000e-004	153.6910
2025	0.0902	0.0369	0.5222	8.9000e-004	0.0105	1.1200e-003	0.0116	2.7900e-003	1.1200e-003	3.9100e-003	0.0000	76.8981	76.8981	3.7100e-003	2.1000e-004	77.0523
Maximum	**0.1794**	**0.0739**	**1.0423**	**1.7700e-003**	**0.0208**	**2.2400e-003**	**0.0231**	**5.5400e-003**	**2.2300e-003**	**7.7700e-003**	**0.0000**	**153.3676**	**153.3676**	**7.7400e-003**	**4.4000e-004**	**153.6910**

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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	N20	CO2e
Percent Reduction	**29.60**	**88.62**	**-2.61**	**0.00**	**0.00**	**92.87**	**55.81**	**0.00**	**92.89**	**78.94**	**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	**7-3-2023**	**10-2-2023**	0.3004	0.0707
2	**10-3-2023**	**1-2-2024**	0.1772	0.0569
3	**1-3-2024**	**4-2-2024**	0.2781	0.0697
4	**4-3-2024**	**7-2-2024**	0.1668	0.0558
5	**7-3-2024**	**10-2-2024**	0.2796	0.0700
6	**10-3-2024**	**1-2-2025**	0.1648	0.0562
7	**1-3-2025**	**4-2-2025**	0.2658	0.0693
8	**4-3-2025**	**7-2-2025**	0.1555	0.0552
9	**7-3-2025**	**9-30-2025**	0.0017	0.0006
		Highest	0.3004	0.0707

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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	0.2766	5.7200e-003	0.4970	3.0000e-005		2.7600e-003	2.7600e-003		2.7600e-003	2.7600e-003	0.0000	0.8126	0.8126	7.8000e-004	0.0000	0.8321
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2766**	**5.7200e-003**	**0.4970**	**3.0000e-005**	**0.0000**	**2.7600e-003**	**2.7600e-003**	**0.0000**	**2.7600e-003**	**2.7600e-003**	**0.0000**	**0.8126**	**0.8126**	**7.8000e-004**	**0.0000**	**0.8321**

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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	0.2766	5.7200e-003	0.4970	3.0000e-005		2.7600e-003	2.7600e-003		2.7600e-003	2.7600e-003	0.0000	0.8126	0.8126	7.8000e-004	0.0000	0.8321
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2766**	**5.7200e-003**	**0.4970**	**3.0000e-005**	**0.0000**	**2.7600e-003**	**2.7600e-003**	**0.0000**	**2.7600e-003**	**2.7600e-003**	**0.0000**	**0.8126**	**0.8126**	**7.8000e-004**	**0.0000**	**0.8321**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	Interior Renovations - Saws Wing 1	Architectural Coating	7/3/2023	9/1/2023	5	45	
2	Interior Renovations - Air Compressors	Architectural Coating	7/3/2023	7/3/2025	5	524	

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

3	Interior Renovations - Saws Wing 2	Architectural Coating	1/1/2024	3/1/2024	5	45	
4	Interior Renovations - Saws Wing 3	Architectural Coating	7/1/2024	8/30/2024	5	45	
5	Interior Renovations - Saws Wing 4	Architectural Coating	1/6/2025	3/7/2025	5	45	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Interior Renovations - Saws Wing 1	Air Compressors	0	0.00	78	0.48
Interior Renovations - Saws Wing 2	Air Compressors	0	0.00	78	0.48
Interior Renovations - Saws Wing 3	Air Compressors	0	0.00	78	0.48
Interior Renovations - Saws Wing 4	Air Compressors	0	0.00	78	0.48
Interior Renovations - Air Compressors	Air Compressors	2	8.00	78	0.48
Interior Renovations - Saws Wing 1	Concrete/Industrial Saws	2	8.00	81	0.73
Interior Renovations - Saws Wing 2	Concrete/Industrial Saws	2	8.00	81	0.73
Interior Renovations - Saws Wing 3	Concrete/Industrial Saws	2	8.00	81	0.73
Interior Renovations - Saws Wing 4	Concrete/Industrial Saws	2	8.00	81	0.73

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
Interior Renovations - Saws Wing 2	2	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Interior Renovations - Saws Wing 3	2	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Interior Renovations - Saws Wing 4	2	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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

Interior Renovations - Air Compressors	2	20.00	0.00	20.00	10.80	7.30	10.20	LD_Mix	HDT_Mix	HHDT
Interior Renovations - Saws Wing 1	2	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Interior Renovations - Saws Wing 1 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0150	0.1163	0.1646	2.8000e-004		5.7700e-003	5.7700e-003		5.7700e-003	5.7700e-003	0.0000	24.1946	24.1946	1.1900e-003	0.0000	24.2244
Total	**0.0150**	**0.1163**	**0.1646**	**2.8000e-004**		**5.7700e-003**	**5.7700e-003**		**5.7700e-003**	**5.7700e-003**	**0.0000**	**24.1946**	**24.1946**	**1.1900e-003**	**0.0000**	**24.2244**

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

3.2 Interior Renovations - Saws Wing 1 - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8200e-003	0.0122	0.1736	2.8000e-004		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	24.1946	24.1946	1.1900e-003	0.0000	24.2244
Total	**2.8200e-003**	**0.0122**	**0.1736**	**2.8000e-004**		**3.8000e-004**	**3.8000e-004**		**3.8000e-004**	**3.8000e-004**	**0.0000**	**24.1946**	**24.1946**	**1.1900e-003**	**0.0000**	**24.2244**

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

3.2 Interior Renovations - Saws Wing 1 - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Interior Renovations - Air Compressors - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0780					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0332	0.2259	0.3139	5.2000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	44.2564	44.2564	2.6500e-003	0.0000	44.3226
Total	**0.1112**	**0.2259**	**0.3139**	**5.2000e-004**		**0.0123**	**0.0123**		**0.0123**	**0.0123**	**0.0000**	**44.2564**	**44.2564**	**2.6500e-003**	**0.0000**	**44.3226**

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

3.3 Interior Renovations - Air Compressors - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	1.9000e-004	6.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0787	0.0787	0.0000	1.0000e-005	0.0825
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2500e-003	2.2600e-003	0.0291	9.0000e-005	0.0103	5.0000e-005	0.0104	2.7400e-003	5.0000e-005	2.7900e-003	0.0000	7.9477	7.9477	2.3000e-004	2.2000e-004	8.0185
Total	**3.2500e-003**	**2.4500e-003**	**0.0292**	**9.0000e-005**	**0.0103**	**5.0000e-005**	**0.0104**	**2.7500e-003**	**5.0000e-005**	**2.8000e-003**	**0.0000**	**8.0264**	**8.0264**	**2.3000e-004**	**2.3000e-004**	**8.1010**

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	0.0780					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1500e-003	0.0223	0.3176	5.2000e-004		6.9000e-004	6.9000e-004		6.9000e-004	6.9000e-004	0.0000	44.2564	44.2564	2.6500e-003	0.0000	44.3225
Total	**0.0832**	**0.0223**	**0.3176**	**5.2000e-004**		**6.9000e-004**	**6.9000e-004**		**6.9000e-004**	**6.9000e-004**	**0.0000**	**44.2564**	**44.2564**	**2.6500e-003**	**0.0000**	**44.3225**

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

3.3 Interior Renovations - Air Compressors - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	1.9000e-004	6.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0787	0.0787	0.0000	1.0000e-005	0.0825
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2500e-003	2.2600e-003	0.0291	9.0000e-005	0.0103	5.0000e-005	0.0104	2.7400e-003	5.0000e-005	2.7900e-003	0.0000	7.9477	7.9477	2.3000e-004	2.2000e-004	8.0185
Total	**3.2500e-003**	**2.4500e-003**	**0.0292**	**9.0000e-005**	**0.0103**	**5.0000e-005**	**0.0104**	**2.7500e-003**	**5.0000e-005**	**2.8000e-003**	**0.0000**	**8.0264**	**8.0264**	**2.3000e-004**	**2.3000e-004**	**8.1010**

3.3 Interior Renovations - Air Compressors - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1572					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0632	0.4258	0.6323	1.0400e-003		0.0213	0.0213		0.0213	0.0213	0.0000	89.1937	89.1937	5.0200e-003	0.0000	89.3192
Total	**0.2204**	**0.4258**	**0.6323**	**1.0400e-003**		**0.0213**	**0.0213**		**0.0213**	**0.0213**	**0.0000**	**89.1937**	**89.1937**	**5.0200e-003**	**0.0000**	**89.3192**

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

3.3 Interior Renovations - Air Compressors - 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	1.0000e-005	3.9000e-004	1.2000e-004	0.0000	4.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1561	0.1561	1.0000e-005	2.0000e-005	0.1636
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1400e-003	4.0800e-003	0.0548	1.7000e-004	0.0208	1.0000e-004	0.0209	5.5300e-003	9.0000e-005	5.6200e-003	0.0000	15.6289	15.6289	4.1000e-004	4.1000e-004	15.7617
Total	**6.1500e-003**	**4.4700e-003**	**0.0549**	**1.7000e-004**	**0.0208**	**1.0000e-004**	**0.0209**	**5.5400e-003**	**9.0000e-005**	**5.6300e-003**	**0.0000**	**15.7850**	**15.7850**	**4.2000e-004**	**4.3000e-004**	**15.9254**

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	0.1572					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0104	0.0450	0.6401	1.0400e-003		1.3800e-003	1.3800e-003		1.3800e-003	1.3800e-003	0.0000	89.1936	89.1936	5.0200e-003	0.0000	89.3191
Total	**0.1676**	**0.0450**	**0.6401**	**1.0400e-003**		**1.3800e-003**	**1.3800e-003**		**1.3800e-003**	**1.3800e-003**	**0.0000**	**89.1936**	**89.1936**	**5.0200e-003**	**0.0000**	**89.3191**

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

3.3 Interior Renovations - Air Compressors - 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	1.0000e-005	3.9000e-004	1.2000e-004	0.0000	4.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1561	0.1561	1.0000e-005	2.0000e-005	0.1636
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1400e-003	4.0800e-003	0.0548	1.7000e-004	0.0208	1.0000e-004	0.0209	5.5300e-003	9.0000e-005	5.6200e-003	0.0000	15.6289	15.6289	4.1000e-004	4.1000e-004	15.7617
Total	**6.1500e-003**	**4.4700e-003**	**0.0549**	**1.7000e-004**	**0.0208**	**1.0000e-004**	**0.0209**	**5.5400e-003**	**9.0000e-005**	**5.6300e-003**	**0.0000**	**15.7850**	**15.7850**	**4.2000e-004**	**4.3000e-004**	**15.9254**

3.3 Interior Renovations - Air Compressors - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0792					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0301	0.2016	0.3184	5.2000e-004		9.0600e-003	9.0600e-003		9.0600e-003	9.0600e-003	0.0000	44.9373	44.9373	2.4500e-003	0.0000	44.9986
Total	**0.1093**	**0.2016**	**0.3184**	**5.2000e-004**		**9.0600e-003**	**9.0600e-003**		**9.0600e-003**	**9.0600e-003**	**0.0000**	**44.9373**	**44.9373**	**2.4500e-003**	**0.0000**	**44.9986**

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

3.3 Interior Renovations - Air Compressors - 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	2.0000e-004	6.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0771	0.0771	0.0000	1.0000e-005	0.0809
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9200e-003	1.8600e-003	0.0260	8.0000e-005	0.0105	5.0000e-005	0.0105	2.7800e-003	4.0000e-005	2.8300e-003	0.0000	7.6892	7.6892	1.9000e-004	1.9000e-004	7.7518
Total	**2.9200e-003**	**2.0600e-003**	**0.0260**	**8.0000e-005**	**0.0105**	**5.0000e-005**	**0.0105**	**2.7900e-003**	**4.0000e-005**	**2.8400e-003**	**0.0000**	**7.7663**	**7.7663**	**1.9000e-004**	**2.0000e-004**	**7.8327**

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	0.0792					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.2300e-003	0.0227	0.3225	5.2000e-004		7.0000e-004	7.0000e-004		7.0000e-004	7.0000e-004	0.0000	44.9372	44.9372	2.4500e-003	0.0000	44.9985
Total	**0.0844**	**0.0227**	**0.3225**	**5.2000e-004**		**7.0000e-004**	**7.0000e-004**		**7.0000e-004**	**7.0000e-004**	**0.0000**	**44.9372**	**44.9372**	**2.4500e-003**	**0.0000**	**44.9985**

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

3.3 Interior Renovations - Air Compressors - 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	2.0000e-004	6.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0771	0.0771	0.0000	1.0000e-005	0.0809
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9200e-003	1.8600e-003	0.0260	8.0000e-005	0.0105	5.0000e-005	0.0105	2.7800e-003	4.0000e-005	2.8300e-003	0.0000	7.6892	7.6892	1.9000e-004	1.9000e-004	7.7518
Total	**2.9200e-003**	**2.0600e-003**	**0.0260**	**8.0000e-005**	**0.0105**	**5.0000e-005**	**0.0105**	**2.7900e-003**	**4.0000e-005**	**2.8400e-003**	**0.0000**	**7.7663**	**7.7663**	**1.9000e-004**	**2.0000e-004**	**7.8327**

3.4 Interior Renovations - Saws Wing 2 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0141	0.1086	0.1643	2.8000e-004		4.9700e-003	4.9700e-003		4.9700e-003	4.9700e-003	0.0000	24.1945	24.1945	1.1500e-003	0.0000	24.2233
Total	**0.0141**	**0.1086**	**0.1643**	**2.8000e-004**		**4.9700e-003**	**4.9700e-003**		**4.9700e-003**	**4.9700e-003**	**0.0000**	**24.1945**	**24.1945**	**1.1500e-003**	**0.0000**	**24.2233**

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

3.4 Interior Renovations - Saws Wing 2 - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8200e-003	0.0122	0.1736	2.8000e-004		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	24.1945	24.1945	1.1500e-003	0.0000	24.2232
Total	**2.8200e-003**	**0.0122**	**0.1736**	**2.8000e-004**		**3.8000e-004**	**3.8000e-004**		**3.8000e-004**	**3.8000e-004**	**0.0000**	**24.1945**	**24.1945**	**1.1500e-003**	**0.0000**	**24.2232**

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

3.4 Interior Renovations - Saws Wing 2 - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Interior Renovations - Saws Wing 3 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0141	0.1086	0.1643	2.8000e-004		4.9700e-003	4.9700e-003		4.9700e-003	4.9700e-003	0.0000	24.1945	24.1945	1.1500e-003	0.0000	24.2233
Total	**0.0141**	**0.1086**	**0.1643**	**2.8000e-004**		**4.9700e-003**	**4.9700e-003**		**4.9700e-003**	**4.9700e-003**	**0.0000**	**24.1945**	**24.1945**	**1.1500e-003**	**0.0000**	**24.2233**

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

3.5 Interior Renovations - Saws Wing 3 - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8200e-003	0.0122	0.1736	2.8000e-004		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	24.1945	24.1945	1.1500e-003	0.0000	24.2232
Total	**2.8200e-003**	**0.0122**	**0.1736**	**2.8000e-004**		**3.8000e-004**	**3.8000e-004**		**3.8000e-004**	**3.8000e-004**	**0.0000**	**24.1945**	**24.1945**	**1.1500e-003**	**0.0000**	**24.2232**

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

3.5 Interior Renovations - Saws Wing 3 - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Interior Renovations - Saws Wing 4 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0133	0.1021	0.1640	2.8000e-004		4.1800e-003	4.1800e-003		4.1800e-003	4.1800e-003	0.0000	24.1946	24.1946	1.0600e-003	0.0000	24.2212
Total	**0.0133**	**0.1021**	**0.1640**	**2.8000e-004**		**4.1800e-003**	**4.1800e-003**		**4.1800e-003**	**4.1800e-003**	**0.0000**	**24.1946**	**24.1946**	**1.0600e-003**	**0.0000**	**24.2212**

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3.6 Interior Renovations - Saws Wing 4 - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8200e-003	0.0122	0.1736	2.8000e-004		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	24.1946	24.1946	1.0600e-003	0.0000	24.2212
Total	**2.8200e-003**	**0.0122**	**0.1736**	**2.8000e-004**		**3.8000e-004**	**3.8000e-004**		**3.8000e-004**	**3.8000e-004**	**0.0000**	**24.1946**	**24.1946**	**1.0600e-003**	**0.0000**	**24.2212**

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3.6 Interior Renovations - Saws Wing 4 - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Congregate Care (Assisted Living)	0.00	0.00	0.00		
Congregate Care (Assisted Living)	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Congregate Care (Assisted	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Congregate Care (Assisted	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Congregate Care (Assisted Living)	0.573651	0.055882	0.186012	0.115369	0.020252	0.005158	0.008030	0.006377	0.000893	0.000372	0.024386	0.000900	0.002720

5.0 Energy Detail

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

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Congregate Care (Assisted Living)	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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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					
Congregate Care (Assisted Living)	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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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			
Congregate Care (Assisted Living)	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Congregate Care (Assisted Living)	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

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	0.2766	5.7200e-003	0.4970	3.0000e-005		2.7600e-003	2.7600e-003		2.7600e-003	2.7600e-003	0.0000	0.8126	0.8126	7.8000e-004	0.0000	0.8321
Unmitigated	0.2766	5.7200e-003	0.4970	3.0000e-005		2.7600e-003	2.7600e-003		2.7600e-003	2.7600e-003	0.0000	0.8126	0.8126	7.8000e-004	0.0000	0.8321

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2617					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0149	5.7200e-003	0.4970	3.0000e-005		2.7600e-003	2.7600e-003		2.7600e-003	2.7600e-003	0.0000	0.8126	0.8126	7.8000e-004	0.0000	0.8321
Total	**0.2766**	**5.7200e-003**	**0.4970**	**3.0000e-005**		**2.7600e-003**	**2.7600e-003**		**2.7600e-003**	**2.7600e-003**	**0.0000**	**0.8126**	**0.8126**	**7.8000e-004**	**0.0000**	**0.8321**

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2617					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0149	5.7200e-003	0.4970	3.0000e-005		2.7600e-003	2.7600e-003		2.7600e-003	2.7600e-003	0.0000	0.8126	0.8126	7.8000e-004	0.0000	0.8321
Total	**0.2766**	**5.7200e-003**	**0.4970**	**3.0000e-005**		**2.7600e-003**	**2.7600e-003**		**2.7600e-003**	**2.7600e-003**	**0.0000**	**0.8126**	**0.8126**	**7.8000e-004**	**0.0000**	**0.8321**

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	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Congregate Care (Assisted Living)	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Congregate Care (Assisted Living)	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

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			
Congregate Care (Assisted Living)	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Congregate Care (Assisted Living)	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

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

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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Proposed Project Construction Emissions by Phase

Phase	Year	Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
P.0 Utility Relocation Prep Roadway	2023	Onsite	0.0234	0.1987	0.2284	5.70E-04	1.79E-03	7.45E-03	9.24E-03	1.90E-04	7.03E-03	7.22E-03	0	48.3658	48.3658	0.0135	0	48.7035
P.0 Utility Relocation Prep Roadway	2023	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.0 Utility Relocation Prep Roadway	2023	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.0 Utility Relocation Prep Roadway	2023	Worker	4.12E-03	2.87E-03	0.0369	1.10E-04	0.0131	6.00E-05	0.0131	3.48E-03	6.00E-05	3.54E-03	0	10.0813	10.0813	2.90E-04	2.80E-04	10.1711
P.1 Build A Overall	2023	Onsite	0.0312	0.2893	0.3031	5.60E-04	0	0.0131	0.0131	0	0.0122	0.0122	0	47.1511	47.1511	0.0132	0	47.481
P.1 Build A Overall	2023	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Build A Overall	2023	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Build A Overall	2023	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Build A Overall	2024	Onsite	0.0549	0.5111	0.5574	1.03E-03	0	0.0219	0.0219	0	0.0205	0.0205	0	87.0479	87.0479	0.0243	0	87.6543
P.1 Build A Overall	2024	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Build A Overall	2024	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Build A Overall	2024	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Build A Excavation	2023	Onsite	0	0	0	0	2.18E-03	0	2.18E-03	2.50E-04	0	2.50E-04	0	0	0	0	0	0
P.1 Build A Excavation	2023	Hauling	4.50E-04	0.0231	6.80E-03	9.00E-05	2.56E-03	1.70E-04	2.73E-03	7.10E-04	1.60E-04	8.70E-04	0	9.391	9.391	3.20E-04	1.49E-03	9.8426
P.1 Build A Excavation	2023	Vendor	2.00E-05	8.90E-04	2.80E-04	0	1.30E-04	1.00E-05	1.40E-04	4.00E-05	1.00E-05	4.00E-05	0	0.3977	0.3977	1.00E-05	6.00E-05	0.4153
P.1 Build A Excavation	2023	Worker	8.50E-04	5.90E-04	7.61E-03	2.00E-05	2.70E-03	1.00E-05	2.71E-03	7.20E-04	1.00E-05	7.30E-04	0	2.0786	2.0786	6.00E-05	6.00E-05	2.0971
P.1 Build A Concrete Found	2023	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Build A Concrete Found	2023	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Build A Concrete Found	2023	Vendor	3.50E-04	0.0143	4.52E-03	7.00E-05	2.12E-03	8.00E-05	2.20E-03	6.10E-04	8.00E-05	6.90E-04	0	6.4023	6.4023	1.30E-04	9.40E-04	6.686
P.1 Build A Concrete Found	2023	Worker	5.52E-03	3.84E-03	0.0494	1.50E-04	0.0175	9.00E-05	0.0176	4.66E-03	8.00E-05	4.74E-03	0	13.4988	13.4988	3.80E-04	3.70E-04	13.619
P.1 Build A Building Frame	2023	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Build A Building Frame	2023	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Build A Building Frame	2023	Vendor	4.00E-05	1.51E-03	4.80E-04	1.00E-05	2.20E-04	1.00E-05	2.30E-04	6.00E-05	1.00E-05	7.00E-05	0	0.676	0.676	1.00E-05	1.00E-04	0.706
P.1 Build A Building Frame	2023	Worker	1.10E-03	7.70E-04	9.89E-03	3.00E-05	3.51E-03	2.00E-05	3.52E-03	9.30E-04	2.00E-05	9.50E-04	0	2.7022	2.7022	8.00E-05	7.00E-05	2.7263
P.1 Build A Building Frame	2024	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Build A Building Frame	2024	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Build A Building Frame	2024	Vendor	1.30E-04	5.44E-03	1.68E-03	2.00E-05	8.00E-04	3.00E-05	8.40E-04	2.30E-04	3.00E-05	2.60E-04	0	2.3901	2.3901	5.00E-05	3.50E-04	2.4958
P.1 Build A Building Frame	2024	Worker	3.72E-03	2.47E-03	0.0332	1.00E-04	0.0126	6.00E-05	0.0126	3.35E-03	5.00E-05	3.40E-03	0	9.4609	9.4609	2.50E-04	2.50E-04	9.5413
P.1 Build A Building Exterior	2024	Onsite	7.60E-04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Build A Building Exterior	2024	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Build A Building Exterior	2024	Vendor	1.10E-04	4.54E-03	1.40E-03	2.00E-05	6.70E-04	3.00E-05	7.00E-04	1.90E-04	3.00E-05	2.20E-04	0	1.9982	1.9982	4.00E-05	2.90E-04	2.0866
P.1 Build A Building Exterior	2024	Worker	3.19E-03	2.12E-03	0.0285	9.00E-05	0.0108	5.00E-05	0.0108	2.87E-03	5.00E-05	2.92E-03	0	8.1127	8.1127	2.20E-04	2.10E-04	8.1817
P.1 Build A Interiors	2024	Onsite	0.8151	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Build A Interiors	2024	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Build A Interiors	2024	Vendor	2.40E-04	9.98E-03	3.08E-03	5.00E-05	1.47E-03	6.00E-05	1.53E-03	4.30E-04	6.00E-05	4.80E-04	0	4.3883	4.3883	9.00E-05	6.40E-04	4.5824
P.1 Build A Interiors	2024	Worker	0.0131	8.72E-03	0.1172	3.60E-04	0.0444	2.10E-04	0.0446	0.0118	1.90E-04	0.012	0	33.4053	33.4053	8.90E-04	8.80E-04	33.6892
P.1 Fitness Overall	2023	Onsite	7.25E-03	0.0662	0.0757	1.20E-04	0	3.04E-03	3.04E-03	0	2.85E-03	2.85E-03	0	10.4301	10.4301	2.77E-03	0	10.4993
P.1 Fitness Overall	2023	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Fitness Overall	2023	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Fitness Overall	2023	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Fitness Overall	2024	Onsite	0.0578	0.5327	0.6375	1.05E-03	0	0.0229	0.0229	0	0.0215	0.0215	0	88.3536	88.3536	0.0233	0	88.9372
P.1 Fitness Overall	2024	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Fitness Overall	2024	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Fitness Overall	2024	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Fitness Build Found	2023	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Fitness Build Found	2023	Hauling	0	1.50E-04	4.00E-05	0	2.00E-05	0	2.00E-05	0	0	1.00E-05	0	0.0599	0.0599	0	1.00E-05	0.0628
P.1 Fitness Build Found	2023	Vendor	3.00E-05	1.14E-03	3.60E-04	1.00E-05	1.70E-04	1.00E-05	1.70E-04	5.00E-05	1.00E-05	5.00E-05	0	0.507	0.507	1.00E-05	7.00E-05	0.5295
P.1 Fitness Build Found	2023	Worker	1.02E-03	7.10E-04	9.13E-03	3.00E-05	3.24E-03	2.00E-05	3.25E-03	8.60E-04	1.00E-05	8.80E-04	0	2.4943	2.4943	7.00E-05	7.00E-05	2.5166
P.1 Fitness Build Found	2024	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Fitness Build Found	2024	Hauling	0	1.60E-04	5.00E-05	0	2.00E-05	0	2.00E-05	1.00E-05	0	1.00E-05	0	0.0659	0.0659	0	1.00E-05	0.0691
P.1 Fitness Build Found	2024	Vendor	3.00E-05	1.27E-03	3.90E-04	1.00E-05	1.90E-04	1.00E-05	2.00E-04	5.00E-05	1.00E-05	6.00E-05	0	0.5583	0.5583	1.00E-05	8.00E-05	0.583
P.1 Fitness Build Found	2024	Worker	1.07E-03	7.10E-04	9.54E-03	3.00E-05	3.62E-03	2.00E-05	3.63E-03	9.60E-04	2.00E-05	9.80E-04	0	2.7202	2.7202	7.00E-05	7.00E-05	2.7433
P.1 Fitness Build Frame	2024	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Fitness Build Frame	2024	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Fitness Build Frame	2024	Vendor	1.00E-04	4.19E-03	1.29E-03	2.00E-05	6.20E-04	2.00E-05	6.40E-04	1.80E-04	2.00E-05	2.00E-04	0	1.8415	1.8415	4.00E-05	2.70E-04	1.923
P.1 Fitness Build Frame	2024	Worker	2.86E-03	1.90E-03	0.0256	8.00E-05	9.69E-03	5.00E-05	9.74E-03	2.58E-03	4.00E-05	2.62E-03	0	7.2895	7.2895	1.90E-04	1.90E-04	7.3515
P.1 Fitness Building Exterior	2024	Onsite	7.60E-04	0	0	0		0	0		0	0	0	0	0	0	0	0
P.1 Fitness Building Exterior	2024	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Fitness Building Exterior	2024	Vendor	6.00E-05	2.47E-03	7.60E-04	1.00E-05	3.70E-04	1.00E-05	3.80E-04	1.10E-04	1.00E-05	1.20E-04	0	1.0873	1.0873	2.00E-05	1.60E-04	1.1354
P.1 Fitness Building Exterior	2024	Worker	1.73E-03	1.15E-03	0.0155	5.00E-05	5.87E-03	3.00E-05	5.90E-03	1.56E-03	3.00E-05	1.59E-03	0	4.4143	4.4143	1.20E-04	1.20E-04	4.4518
P.1 Fitness Interiors	2024	Onsite	0.8151	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Fitness Interiors	2024	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Fitness Interiors	2024	Vendor	9.00E-05	3.65E-03	1.13E-03	2.00E-05	5.40E-04	2.00E-05	5.60E-04	1.60E-04	2.00E-05	1.80E-04	0	1.6064	1.6064	3.00E-05	2.40E-04	1.6775
P.1 Fitness Interiors	2024	Worker	2.36E-03	1.56E-03	0.021	6.00E-05	7.97E-03	4.00E-05	8.00E-03	2.12E-03	3.00E-05	2.15E-03	0	5.9921	5.9921	1.60E-04	1.60E-04	6.043
P.2 Build B Overall	2024	Onsite	0.0715	0.6658	0.7182	1.34E-03	0	0.0286	0.0286	0	0.0267	0.0267	0	113.412	113.412	0.0316	0	114.2015
P.2 Build B Overall	2024	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build B Overall	2024	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build B Overall	2024	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build B Overall	2025	Onsite	0.0364	0.3404	0.3883	7.30E-04	0	0.0137	0.0137	0	0.0128	0.0128	0	61.9465	61.9465	0.0172	0	62.3763
P.2 Build B Overall	2025	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build B Overall	2025	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build B Overall	2025	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build B Excavation	2024	Onsite	0	0	0	0	8.09E-03	0	8.09E-03	8.90E-04	0	8.90E-04	0	0	0	0	0	0
P.2 Build B Excavation	2024	Hauling	1.46E-03	0.0743	0.022	3.00E-04	8.26E-03	5.50E-04	8.80E-03	2.27E-03	5.20E-04	2.79E-03	0	29.7566	29.7566	1.01E-03	4.72E-03	31.1876
P.2 Build B Excavation	2024	Vendor	3.00E-05	1.43E-03	4.40E-04	1.00E-05	2.10E-04	1.00E-05	2.20E-04	6.00E-05	1.00E-05	7.00E-05	0	0.6269	0.6269	1.00E-05	9.00E-05	0.6546
P.2 Build B Excavation	2024	Worker	1.91E-03	1.27E-03	0.0171	5.00E-05	6.47E-03	3.00E-05	6.50E-03	1.72E-03	3.00E-05	1.75E-03	0	4.8676	4.8676	1.30E-04	1.30E-04	4.909
P.2 Build B Concrete Found	2024	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build B Concrete Found	2024	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build B Concrete Found	2024	Vendor	6.70E-04	0.0279	8.61E-03	1.30E-04	4.12E-03	1.70E-04	4.28E-03	1.19E-03	1.60E-04	1.35E-03	0	12.2539	12.2539	2.60E-04	1.80E-03	12.7959
P.2 Build B Concrete Found	2024	Worker	0.0117	7.79E-03	0.1047	3.20E-04	0.0397	1.90E-04	0.0399	0.0106	1.70E-04	0.0107	0	29.8501	29.8501	7.90E-04	7.80E-04	30.1037
P.2 Build B Build Frame	2024	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build B Build Frame	2024	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build B Build Frame	2024	Vendor	1.10E-04	4.54E-03	1.40E-03	2.00E-05	6.70E-04	3.00E-05	7.00E-04	1.90E-04	3.00E-05	2.20E-04	0	1.9982	1.9982	4.00E-05	2.90E-04	2.0866
P.2 Build B Build Frame	2024	Worker	2.09E-03	1.39E-03	0.0187	6.00E-05	7.08E-03	3.00E-05	7.11E-03	1.88E-03	3.00E-05	1.91E-03	0	5.324	5.324	1.40E-04	1.40E-04	5.3692
P.2 Build B Build Exterior	2024	Onsite	2.20E-04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build B Build Exterior	2024	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build B Build Exterior	2024	Vendor	3.00E-05	1.34E-03	4.10E-04	1.00E-05	2.00E-04	1.00E-05	2.10E-04	6.00E-05	1.00E-05	6.00E-05	0	0.5877	0.5877	1.00E-05	9.00E-05	0.6137
P.2 Build B Build Exterior	2024	Worker	5.50E-04	3.60E-04	4.88E-03	1.00E-05	1.84E-03	1.00E-05	1.85E-03	4.90E-04	1.00E-05	5.00E-04	0	1.3869	1.3869	4.00E-05	4.00E-05	1.3987
P.2 Build B Build Exterior	2025	Onsite	5.40E-04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build B Build Exterior	2025	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build B Build Exterior	2025	Vendor	8.00E-05	3.19E-03	9.80E-04	1.00E-05	4.70E-04	2.00E-05	4.90E-04	1.40E-04	2.00E-05	1.60E-04	0	1.3866	1.3866	3.00E-05	2.00E-04	1.4478
P.2 Build B Build Exterior	2025	Worker	1.23E-03	7.80E-04	0.011	3.00E-05	4.43E-03	2.00E-05	4.45E-03	1.18E-03	2.00E-05	1.20E-03	0	3.2504	3.2504	8.00E-05	8.00E-05	3.2769
P.2 Build B Interiors	2025	Onsite	0.8151	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build B Interiors	2025	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build B Interiors	2025	Vendor	2.00E-04	8.43E-03	2.58E-03	4.00E-05	1.25E-03	5.00E-05	1.30E-03	3.60E-04	5.00E-05	4.10E-04	0	3.6591	3.6591	8.00E-05	5.40E-04	3.8206
P.2 Build B Interiors	2025	Worker	8.61E-03	5.47E-03	0.0766	2.40E-04	0.0309	1.40E-04	0.031	8.22E-03	1.30E-04	8.34E-03	0	22.6889	22.6889	5.60E-04	5.70E-04	22.8737
P.3 Build C Overall	2023	Onsite	8.48E-03	0.0775	0.0793	1.50E-04	0	3.55E-03	3.55E-03	0	3.32E-03	3.32E-03	0	12.4778	12.4778	3.45E-03	0	12.5641
P.3 Build C Overall	2023	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Build C Overall	2023	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Build C Overall	2023	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Build C Overall	2024	Onsite	0.0661	0.6076	0.6464	1.21E-03	0	0.0264	0.0264	0	0.0246	0.0246	0	102.1598	102.1598	0.0281	0	102.8627
P.3 Build C Overall	2024	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Build C Overall	2024	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Build C Overall	2024	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Build C Overall	2025	Onsite	0.0376	0.3475	0.3907	7.40E-04	0	0.0141	0.0141	0	0.0132	0.0132	0	62.3897	62.3897	0.0171	0	62.8175
P.3 Build C Overall	2025	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Build C Overall	2025	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Build C Overall	2025	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Proposed Project Construction Emissions by Phase

Phase	Year	Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
P.3 Build C Excavation	2023	Onsite	0	0	0	0	0.01	0	0.01	1.09E-03	0	1.09E-03	0	0	0	0	0	0
P.3 Build C Excavation	2023	Hauling	7.90E-04	0.0404	0.0119	1.70E-04	4.49E-03	2.90E-04	4.78E-03	1.24E-03	2.80E-04	1.52E-03	0	16.442	16.442	5.50E-04	2.61E-03	17.2326
P.3 Build C Excavation	2023	Vendor	2.00E-05	7.10E-04	2.20E-04	0	1.10E-04	0	1.10E-04	3.00E-05	0	3.00E-05	0	0.3181	0.3181	1.00E-06	5.00E-05	0.3322
P.3 Build C Excavation	2023	Worker	2.04E-03	1.42E-03	0.0183	5.00E-05	6.47E-03	3.00E-05	6.50E-03	1.72E-03	3.00E-05	1.75E-03	0	4.9887	4.9887	1.40E-04	1.40E-04	5.0331
P.3 Build C Excavation	2024	Onsite	0	0	0	0	0.01	0	0.01	1.09E-03	0	1.09E-03	0	0	0	0	0	0
P.3 Build C Excavation	2024	Hauling	2.20E-04	0.0114	3.37E-03	5.00E-05	1.26E-03	8.00E-05	1.35E-03	3.50E-04	8.00E-05	4.30E-04	0	4.5511	4.5511	1.50E-04	7.20E-04	4.77
P.3 Build C Excavation	2024	Vendor	0	2.00E-04	6.00E-05	0	3.00E-05	0	3.00E-05	1.00E-05	0	1.00E-05	0	0.0882	0.0882	0	1.00E-05	0.0921
P.3 Build C Excavation	2024	Worker	5.40E-04	3.60E-04	4.80E-03	1.00E-05	1.82E-03	1.00E-05	1.83E-03	4.80E-04	1.00E-05	4.90E-04	0	1.369	1.369	4.00E-05	4.00E-05	1.3807
P.3 Build C Concrete Found	2024	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Build C Concrete Found	2024	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Build C Concrete Found	2024	Vendor	4.30E-04	0.018	5.58E-03	8.00E-05	2.67E-03	1.10E-04	2.77E-03	7.70E-04	1.00E-04	8.70E-04	0	7.9342	7.9342	1.70E-04	1.16E-03	8.2851
P.3 Build C Concrete Found	2024	Worker	0.0106	7.04E-03	0.0946	2.90E-04	0.0359	1.70E-04	0.036	9.54E-03	1.60E-04	9.70E-03	0	26.9778	26.9778	7.20E-04	7.10E-04	27.2071
P.3 Build C Build Frame	2024	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Build C Build Frame	2024	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Build C Build Frame	2024	Vendor	1.60E-04	6.86E-03	2.12E-03	3.00E-05	1.01E-03	4.00E-05	1.05E-03	2.90E-04	4.00E-05	3.30E-04	0	3.017	3.017	6.00E-05	4.40E-04	3.1504
P.3 Build C Build Frame	2024	Worker	4.69E-03	3.12E-03	0.0419	1.30E-04	0.0159	8.00E-05	0.016	4.22E-03	7.00E-05	4.29E-03	0	11.9424	11.9424	3.20E-04	3.10E-04	12.0439
P.3 Build C Building Exterior	2024	Onsite	4.30E-04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Build C Building Exterior	2024	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Build C Building Exterior	2024	Vendor	6.00E-05	2.67E-03	8.30E-04	1.00E-05	3.90E-04	2.00E-05	4.10E-04	1.10E-04	2.00E-05	1.30E-04	0	1.1754	1.1754	2.00E-05	1.70E-04	1.2274
P.3 Build C Building Exterior	2024	Worker	2.02E-03	1.34E-03	0.018	5.00E-05	6.82E-03	3.00E-05	6.85E-03	1.81E-03	3.00E-05	1.84E-03	0	5.1301	5.1301	1.40E-04	1.30E-04	5.1737
P.3 Build C Building Exterior	2025	Onsite	3.30E-04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Build C Building Exterior	2025	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Build C Building Exterior	2025	Vendor	5.00E-05	2.06E-03	6.30E-04	1.00E-05	3.10E-04	1.00E-05	3.20E-04	9.00E-05	1.00E-05	1.00E-04	0	0.8955	0.8955	2.00E-05	1.30E-04	0.9351
P.3 Build C Building Exterior	2025	Worker	1.47E-03	9.40E-04	0.0131	4.00E-05	5.29E-03	2.00E-05	5.31E-03	1.41E-03	2.00E-05	1.43E-03	0	3.8825	3.8825	1.00E-04	1.00E-04	3.9141
P.3 Build C Interiors	2025	Onsite	0.8151	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Build C Interiors	2025	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Build C Interiors	2025	Vendor	2.70E-04	0.0115	3.52E-03	5.00E-05	1.71E-03	7.00E-05	1.78E-03	4.90E-04	7.00E-05	5.60E-04	0	5.0072	5.0072	1.10E-04	7.30E-04	5.2283
P.3 Build C Interiors	2025	Worker	0.0162	0.0103	0.1444	4.50E-04	0.0583	2.60E-04	0.0585	0.0155	2.40E-04	0.0157	0	42.7857	42.7857	1.06E-03	1.08E-03	43.1342
P.3 Meeting Hall Overall	2024	Onsite	6.03E-03	0.0587	0.064	1.20E-04	0	2.45E-03	2.45E-03	0	2.28E-03	2.28E-03	0	10.4642	10.4642	3.07E-03	0	10.5411
P.3 Meeting Hall Overall	2024	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Meeting Hall Overall	2024	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Meeting Hall Overall	2024	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Meeting Hall Overall	2025	Onsite	0.0604	0.5881	0.6798	1.31E-03	0	0.0231	0.0231	0	0.0215	0.0215	0	112.3051	112.3051	0.0329	0	113.1284
P.3 Meeting Hall Overall	2025	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Meeting Hall Overall	2025	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Meeting Hall Overall	2025	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Meeting Hall Excavation	2024	Onsite	0	0	0	0	5.01E-03	0	5.01E-03	5.40E-04	0	5.40E-04	0	0	0	0	0	0
P.3 Meeting Hall Excavation	2024	Hauling	1.30E-04	6.41E-03	1.90E-03	3.00E-05	7.10E-04	5.00E-05	7.60E-04	2.00E-04	4.00E-05	2.40E-04	0	2.5648	2.5648	9.00E-05	4.10E-04	2.6882
P.3 Meeting Hall Excavation	2024	Vendor	2.00E-05	6.70E-04	2.10E-04	0	1.00E-04	0	1.00E-04	3.00E-05	0	3.00E-05	0	0.2939	0.2939	1.00E-05	4.00E-05	0.3069
P.3 Meeting Hall Excavation	2024	Worker	6.00E-04	4.00E-04	5.34E-03	2.00E-05	2.02E-03	1.00E-05	2.03E-03	5.40E-04	1.00E-05	5.50E-04	0	1.5211	1.5211	4.00E-05	4.00E-05	1.5341
P.3 Meeting Hall Excavation	2025	Onsite	0	0	0	0	5.01E-03	0	5.01E-03	5.40E-04	0	5.40E-04	0	0	0	0	0	0
P.3 Meeting Hall Excavation	2025	Hauling	5.00E-05	2.55E-03	7.60E-04	1.00E-05	2.80E-04	2.00E-05	3.00E-04	8.00E-05	2.00E-05	1.00E-04	0	1.0062	1.0062	3.00E-05	1.60E-04	1.0546
P.3 Meeting Hall Excavation	2025	Vendor	1.00E-05	2.70E-04	8.00E-05	0	4.00E-05	0	4.00E-05	1.00E-05	0	1.00E-05	0	0.1156	0.1156	0	2.00E-05	0.1207
P.3 Meeting Hall Excavation	2025	Worker	2.30E-04	1.40E-04	2.01E-03	1.00E-05	8.10E-04	0	8.10E-04	2.20E-04	0	2.20E-04	0	0.5942	0.5942	1.00E-05	2.00E-05	0.599
P.3 Meeting Hall Concrete Found	2025	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Meeting Hall Concrete Found	2025	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Meeting Hall Concrete Found	2025	Vendor	3.00E-04	0.0127	3.88E-03	6.00E-05	1.88E-03	8.00E-05	1.96E-03	5.40E-04	7.00E-05	6.20E-04	0	5.5079	5.5079	1.20E-04	8.10E-04	5.7511
P.3 Meeting Hall Concrete Found	2025	Worker	1.55E-03	9.90E-04	0.0138	4.00E-05	5.57E-03	3.00E-05	5.59E-03	1.48E-03	2.00E-05	1.50E-03	0	4.0893	4.0893	1.00E-04	1.00E-04	4.1226
P.3 Meeting Hall Build Frame	2025	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Meeting Hall Build Frame	2025	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Meeting Hall Build Frame	2025	Vendor	6.00E-05	2.40E-03	7.30E-04	1.00E-05	3.60E-04	1.00E-05	3.70E-04	1.00E-04	1.00E-05	1.20E-04	0	1.04	1.04	2.00E-05	1.50E-04	1.0859
P.3 Meeting Hall Build Frame	2025	Worker	5.10E-04	3.20E-04	4.51E-03	1.00E-05	1.82E-03	1.00E-05	1.83E-03	4.80E-04	1.00E-05	4.90E-04	0	1.3369	1.3369	3.00E-05	3.00E-05	1.3478
P.3 Meeting Hall Build Exterior	2025	Onsite	7.60E-04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Meeting Hall Build Exterior	2025	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Meeting Hall Build Exterior	2025	Vendor	8.00E-05	3.19E-03	9.80E-04	1.00E-05	4.70E-04	2.00E-05	4.90E-04	1.40E-04	2.00E-05	1.60E-04	0	1.3866	1.3866	3.00E-05	2.00E-04	1.4478
P.3 Meeting Hall Build Exterior	2025	Worker	8.70E-04	5.60E-04	7.78E-03	2.00E-05	3.14E-03	1.00E-05	3.15E-03	8.40E-04	1.00E-05	8.50E-04	0	2.3068	2.3068	6.00E-05	6.00E-05	2.3256
P.3 Meeting Hall Interiors	2025	Onsite	0.8151	0	0	0		0	0		0	0	0	0	0	0	0	0
P.3 Meeting Hall Interiors	2025	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Meeting Hall Interiors	2025	Vendor	8.00E-05	3.55E-03	1.08E-03	2.00E-05	5.30E-04	2.00E-05	5.50E-04	1.50E-04	2.00E-05	1.70E-04	0	1.5407	1.5407	3.00E-05	2.30E-04	1.6087
P.3 Meeting Hall Interiors	2025	Worker	1.63E-03	1.04E-03	0.0146	5.00E-05	5.87E-03	3.00E-05	5.90E-03	1.56E-03	2.00E-05	1.59E-03	0	4.3106	4.3106	1.10E-04	1.10E-04	4.3457
Phase 4 - Saws Wing 1	2023	Onsite	0.015	0.1163	0.1646	2.80E-04	0	5.77E-03	5.77E-03	0	5.77E-03	5.77E-03	0	24.1946	24.1946	1.19E-03	0	24.2244
Phase 4 - Saws Wing 1	2023	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 4 - Saws Wing 1	2023	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 4 - Saws Wing 1	2023	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 4 - Air Compressors	2023	Onsite	0.1112	0.2259	0.3139	5.20E-04	0	0.0123	0.0123	0	0.0123	0.0123	0	44.2564	44.2564	2.65E-03	0	44.3226
Phase 4 - Air Compressors	2023	Hauling	0	1.90E-04	6.00E-05	0	2.00E-05	0	2.00E-05	1.00E-05	0	1.00E-05	0	0.0787	0.0787	0	1.00E-05	0.0825
Phase 4 - Air Compressors	2023	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 4 - Air Compressors	2023	Worker	3.25E-03	2.26E-03	0.0291	9.00E-05	0.0103	5.00E-05	0.0104	2.74E-03	5.00E-05	2.79E-03	0	7.9477	7.9477	2.30E-04	2.20E-04	8.0185
Phase 4 - Air Compressors	2024	Onsite	0.2204	0.4258	0.6323	1.04E-03	0	0.0213	0.0213	0	0.0213	0.0213	0	89.1937	89.1937	5.02E-03	0	89.3192
Phase 4 - Air Compressors	2024	Hauling	1.00E-05	3.90E-04	1.20E-04	0	4.00E-05	0	5.00E-05	1.00E-05	0	1.00E-05	0	0.1561	0.1561	1.00E-05	2.00E-05	0.1636
Phase 4 - Air Compressors	2024	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 4 - Air Compressors	2024	Worker	6.14E-03	4.08E-03	0.0548	1.70E-04	0.0208	1.00E-04	0.0209	5.53E-03	9.00E-05	5.62E-03	0	15.6289	15.6289	4.10E-04	4.10E-04	15.7617
Phase 4 - Air Compressors	2025	Onsite	0.1093	0.2016	0.3184	5.20E-04	0	9.06E-03	9.06E-03	0	9.06E-03	9.06E-03	0	44.9373	44.9373	2.45E-03	0	44.9986
Phase 4 - Air Compressors	2025	Hauling	0	2.00E-04	6.00E-05	0	2.00E-05	0	2.00E-05	1.00E-05	0	1.00E-05	0	0.0771	0.0771	0	1.00E-05	0.0809
Phase 4 - Air Compressors	2025	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 4 - Air Compressors	2025	Worker	2.92E-03	1.86E-03	0.026	8.00E-05	0.0105	5.00E-05	0.0105	2.78E-03	4.00E-05	2.83E-03	0	7.6892	7.6892	1.90E-04	1.90E-04	7.7518
Phase 4 - Saws Wing 2	2024	Onsite	0.0141	0.1086	0.1643	2.80E-04	0	4.97E-03	4.97E-03	0	4.97E-03	4.97E-03	0	24.1945	24.1945	1.15E-03	0	24.2233
Phase 4 - Saws Wing 2	2024	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 4 - Saws Wing 2	2024	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 4 - Saws Wing 2	2024	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 4 - Saws Wing 3	2024	Onsite	0.0141	0.1086	0.1643	2.80E-04	0	4.97E-03	4.97E-03	0	4.97E-03	4.97E-03	0	24.1945	24.1945	1.15E-03	0	24.2233
Phase 4 - Saws Wing 3	2024	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 4 - Saws Wing 3	2024	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 4 - Saws Wing 3	2024	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 4 - Saws Wing 4	2025	Onsite	0.0133	0.1021	0.164	2.80E-04	0	4.18E-03	4.18E-03	0	4.18E-03	4.18E-03	0	24.1946	24.1946	1.06E-03	0	24.2212
Phase 4 - Saws Wing 4	2025	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 4 - Saws Wing 4	2025	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 4 - Saws Wing 4	2025	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Emissions Summary by Year (tons)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
2023	0.22	1.07	1.34999	0.00303	0.08063	0.05	0.12666	0.01939	0.04	0.06367
2024	2.21	3.25	4.25657	0.00905	0.28075	0.14	0.41643	0.07147	0.13	0.20042
2025	2.74	1.65	2.27028	0.00477	0.13896	0.07	0.20381	0.03632	0.06	0.09785

Emissions Summary by Year (lbs)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
2023	432.26	2137.50	2699.98	6.06	161.26	92.12	253.32	38.78	88.56	127.34
2024	4420.52	6504.98	8513.14	18.1	561.5	271.72	832.86	142.94	258.06	400.84
2025	5480.66	3304.28	4540.56	9.54	277.92	130.02	407.62	72.64	123.08	195.7

Daily Average Emissions (lbs/day) by Year

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
2023	3.33	16.44	20.76907692	0.046615385	1.240461538	0.71	1.94861538	0.298307692	0.68	0.979538462
2024	16.87	24.83	32.49290076	0.069083969	2.143129771	1.04	3.17885496	0.545572519	0.98	1.529923664
2025	33.83	20.40	28.02814815	0.058888889	1.715555556	0.80	2.51617284	0.448395062	0.76	1.208024691

	Start Date	End Date	Days
2023	7/3/2023	12/31/2023	130
2024	1/1/2024	12/31/2024	262
2025	1/1/2025	8/14/2025	162

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Place of Worship	4.79	1000sqft	0.11	4,792.00	0
Enclosed Parking with Elevator	34.00	Space	0.00	16,879.00	0
Enclosed Parking with Elevator	64.00	Space	0.00	31,710.00	0
Enclosed Parking with Elevator	77.00	Space	0.00	25,899.00	0
Enclosed Parking with Elevator	7.04	1000sqft	0.00	7,043.00	0
Other Asphalt Surfaces	25.12	1000sqft	0.58	25,118.00	0
Other Non-Asphalt Surfaces	74.60	1000sqft	1.71	74,596.00	0
Health Club	1.06	1000sqft	0.02	1,065.00	0
Retirement Community	22.00	Dwelling Unit	0.41	35,898.00	63
Retirement Community	10.00	Dwelling Unit	0.57	28,475.00	29
Retirement Community	20.00	Dwelling Unit	0.42	41,715.00	57

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2026
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Project specific land uses and square footage. Place of worship to represent meeting room addition. Health club to represent fitness center.

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Construction Phase - Project specific construction schedule.

Off-road Equipment - Project specific equipment for Phase 0.

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Project specific equipment for Phase 1 Building A. Hours account for total hours over phase.

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Project specific equipment for Phase 1 Fitness. Hours account for total hours over phase.

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Project specific equipment for Phase 2 Building B. Hours account for total hours over phase.

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Project specific equipment for Phase 3 Building C. Hours account for total hours over phase.

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

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Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Project specific equipment for Phase 3 Meeting Hall. Hours account for total hours over phase.

Trips and VMT - Project specific vehicle trips.

Grading - Estimated material export quantities by phase.

Vehicle Trips - Operational emissions estimated in separate run.

Woodstoves - Operational emissions estimated in separate run.

Consumer Products - Operational emissions estimated in separate run.

Area Coating - Operational emissions estimated in separate run.

Energy Use - Operational emissions estimated in separate run.

Water And Wastewater - Operational emissions estimated in separate run.

Solid Waste - Operational emissions estimated in separate run.

Construction Off-road Equipment Mitigation - Assumes implementation of BAAQMD Fugitive Dust Control and accounts for anticipated electrical equipment.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	2929	0
tblAreaCoating	Area_Nonresidential_Interior	8786	0
tblAreaCoating	Area_Parking	10875	0
tblAreaCoating	Area_Residential_Exterior	71609	0
tblAreaCoating	Area_Residential_Interior	214828	0
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00

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

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	41.00
tblConstructionPhase	NumDays	18.00	112.00
tblConstructionPhase	NumDays	18.00	130.00
tblConstructionPhase	NumDays	18.00	95.00
tblConstructionPhase	NumDays	18.00	40.00
tblConstructionPhase	NumDays	230.00	135.00
tblConstructionPhase	NumDays	230.00	47.00
tblConstructionPhase	NumDays	230.00	368.00
tblConstructionPhase	NumDays	230.00	139.00
tblConstructionPhase	NumDays	230.00	77.00
tblConstructionPhase	NumDays	230.00	51.00

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

tblConstructionPhase	NumDays	230.00	176.00
tblConstructionPhase	NumDays	230.00	52.00
tblConstructionPhase	NumDays	230.00	27.00
tblConstructionPhase	NumDays	230.00	370.00
tblConstructionPhase	NumDays	230.00	92.00
tblConstructionPhase	NumDays	230.00	454.00
tblConstructionPhase	NumDays	230.00	78.00
tblConstructionPhase	NumDays	230.00	161.00
tblConstructionPhase	NumDays	230.00	36.00
tblConstructionPhase	NumDays	8.00	32.00
tblConstructionPhase	NumDays	8.00	20.00
tblConstructionPhase	NumDays	8.00	21.00
tblConstructionPhase	NumDays	8.00	41.00
tblConstructionPhase	NumDays	18.00	68.00
tblConstructionPhase	NumDays	18.00	37.00
tblConstructionPhase	NumDays	18.00	71.00
tblConstructionPhase	NumDays	18.00	51.00
tblConstructionPhase	NumDays	18.00	36.00
tblConstructionPhase	NumDays	5.00	97.00
tblConstructionPhase	PhaseEndDate	4/10/2037	7/19/2024
tblConstructionPhase	PhaseEndDate	5/6/2037	12/2/2024
tblConstructionPhase	PhaseEndDate	6/1/2037	8/13/2025
tblConstructionPhase	PhaseEndDate	6/25/2037	7/2/2025
tblConstructionPhase	PhaseEndDate	7/21/2037	8/14/2025
tblConstructionPhase	PhaseEndDate	10/23/2029	7/18/2024
tblConstructionPhase	PhaseEndDate	9/10/2030	4/1/2024
tblConstructionPhase	PhaseEndDate	7/29/2031	7/1/2025
tblConstructionPhase	PhaseEndDate	6/15/2032	9/30/2024
tblConstructionPhase	PhaseEndDate	5/3/2033	11/4/2024

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

tblConstructionPhase	PhaseEndDate	3/21/2034	12/10/2024
tblConstructionPhase	PhaseEndDate	2/6/2035	8/13/2025
tblConstructionPhase	PhaseEndDate	12/25/2035	3/24/2025
tblConstructionPhase	PhaseEndDate	11/11/2036	4/29/2025
tblConstructionPhase	PhaseEndDate	7/9/2024	11/29/2024
tblConstructionPhase	PhaseEndDate	5/27/2025	12/6/2023
tblConstructionPhase	PhaseEndDate	4/14/2026	8/12/2025
tblConstructionPhase	PhaseEndDate	3/2/2027	3/25/2024
tblConstructionPhase	PhaseEndDate	1/18/2028	7/18/2024
tblConstructionPhase	PhaseEndDate	12/5/2028	1/25/2024
tblConstructionPhase	PhaseEndDate	8/10/2023	3/18/2024
tblConstructionPhase	PhaseEndDate	7/19/2023	7/28/2023
tblConstructionPhase	PhaseEndDate	8/22/2023	1/8/2025
tblConstructionPhase	PhaseEndDate	7/31/2023	1/11/2024
tblConstructionPhase	PhaseEndDate	12/5/2036	6/27/2024
tblConstructionPhase	PhaseEndDate	12/31/2036	5/23/2024
tblConstructionPhase	PhaseEndDate	1/26/2037	2/12/2025
tblConstructionPhase	PhaseEndDate	2/19/2037	2/19/2025
tblConstructionPhase	PhaseEndDate	3/17/2037	6/19/2025
tblConstructionPhase	PhaseEndDate	7/7/2023	11/14/2023
tblConstructionPhase	PhaseStartDate	3/18/2037	5/24/2024
tblConstructionPhase	PhaseStartDate	4/11/2037	6/28/2024
tblConstructionPhase	PhaseStartDate	5/7/2037	2/13/2025
tblConstructionPhase	PhaseStartDate	6/2/2037	2/20/2025
tblConstructionPhase	PhaseStartDate	6/26/2037	6/20/2025
tblConstructionPhase	PhaseStartDate	12/6/2028	1/12/2024
tblConstructionPhase	PhaseStartDate	10/24/2029	1/26/2024
tblConstructionPhase	PhaseStartDate	9/11/2030	2/2/2024
tblConstructionPhase	PhaseStartDate	7/30/2031	3/20/2024

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

tblConstructionPhase	PhaseStartDate	6/16/2032	7/19/2024
tblConstructionPhase	PhaseStartDate	5/4/2033	10/1/2024
tblConstructionPhase	PhaseStartDate	3/22/2034	12/11/2024
tblConstructionPhase	PhaseStartDate	2/7/2035	1/10/2025
tblConstructionPhase	PhaseStartDate	12/26/2035	3/23/2025
tblConstructionPhase	PhaseStartDate	8/23/2023	7/3/2023
tblConstructionPhase	PhaseStartDate	7/10/2024	8/1/2023
tblConstructionPhase	PhaseStartDate	5/28/2025	11/16/2023
tblConstructionPhase	PhaseStartDate	4/15/2026	12/7/2023
tblConstructionPhase	PhaseStartDate	3/3/2027	12/7/2023
tblConstructionPhase	PhaseStartDate	1/19/2028	12/7/2023
tblConstructionPhase	PhaseStartDate	8/1/2023	2/2/2024
tblConstructionPhase	PhaseStartDate	7/8/2023	7/3/2023
tblConstructionPhase	PhaseStartDate	8/11/2023	12/11/2024
tblConstructionPhase	PhaseStartDate	7/20/2023	11/16/2023
tblConstructionPhase	PhaseStartDate	11/12/2036	3/26/2024
tblConstructionPhase	PhaseStartDate	12/6/2036	4/3/2024
tblConstructionPhase	PhaseStartDate	1/1/2037	11/6/2024
tblConstructionPhase	PhaseStartDate	1/27/2037	12/11/2024
tblConstructionPhase	PhaseStartDate	2/20/2037	5/1/2025
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	LightingElect	3.08	0.00
tblEnergyUse	LightingElect	3.08	0.00
tblEnergyUse	LightingElect	1,001.10	0.00
tblEnergyUse	NT24E	0.19	0.00
tblEnergyUse	NT24E	3.70	0.00
tblEnergyUse	NT24E	3.70	0.00
tblEnergyUse	NT24E	3,172.76	0.00
tblEnergyUse	NT24NG	6.67	0.00

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

tblEnergyUse	NT24NG	6.67	0.00
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	T24E	3.50	0.00
tblEnergyUse	T24E	1.32	0.00
tblEnergyUse	T24E	1.32	0.00
tblEnergyUse	T24E	77.89	0.00
tblEnergyUse	T24NG	19.51	0.00
tblEnergyUse	T24NG	19.51	0.00
tblEnergyUse	T24NG	6,712.79	0.00
tblFireplaces	NumberGas	7.80	0.00
tblFireplaces	NumberWood	8.84	0.00
tblGrading	AcresOfGrading	2.43	7.50
tblGrading	AcresOfGrading	0.00	8.00
tblGrading	AcresOfGrading	0.00	32.00
tblGrading	AcresOfGrading	0.00	41.00
tblGrading	AcresOfGrading	0.00	21.00
tblGrading	MaterialExported	0.00	10,842.00
tblGrading	MaterialExported	0.00	17,778.00
tblGrading	MaterialExported	0.00	8,491.00
tblLandUse	LandUseSquareFeet	4,790.00	4,792.00
tblLandUse	LandUseSquareFeet	13,600.00	16,879.00
tblLandUse	LandUseSquareFeet	25,600.00	31,710.00
tblLandUse	LandUseSquareFeet	30,800.00	25,899.00
tblLandUse	LandUseSquareFeet	7,040.00	7,043.00
tblLandUse	LandUseSquareFeet	25,120.00	25,118.00
tblLandUse	LandUseSquareFeet	74,600.00	74,596.00
tblLandUse	LandUseSquareFeet	1,060.00	1,065.00
tblLandUse	LandUseSquareFeet	22,000.00	35,898.00
tblLandUse	LandUseSquareFeet	10,000.00	28,475.00

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

tblLandUse	LandUseSquareFeet	20,000.00	41,715.00
tblLandUse	LotAcreage	0.16	0.00
tblLandUse	LotAcreage	0.31	0.00
tblLandUse	LotAcreage	0.58	0.00
tblLandUse	LotAcreage	0.69	0.00
tblLandUse	LotAcreage	2.00	0.57
tblLandUse	LotAcreage	4.00	0.42
tblLandUse	LotAcreage	4.40	0.41
tblOffRoadEquipment	HorsePower	231.00	408.00
tblOffRoadEquipment	HorsePower	231.00	408.00
tblOffRoadEquipment	HorsePower	231.00	408.00
tblOffRoadEquipment	HorsePower	231.00	408.00
tblOffRoadEquipment	HorsePower	231.00	408.00
tblOffRoadEquipment	HorsePower	89.00	110.00
tblOffRoadEquipment	HorsePower	89.00	110.00
tblOffRoadEquipment	HorsePower	89.00	110.00
tblOffRoadEquipment	HorsePower	89.00	110.00
tblOffRoadEquipment	HorsePower	89.00	110.00
tblOffRoadEquipment	HorsePower	84.00	40.20
tblOffRoadEquipment	HorsePower	84.00	40.20
tblOffRoadEquipment	HorsePower	84.00	40.20
tblOffRoadEquipment	HorsePower	84.00	40.20
tblOffRoadEquipment	HorsePower	84.00	40.20
tblOffRoadEquipment	HorsePower	46.00	24.20
tblOffRoadEquipment	HorsePower	46.00	24.20
tblOffRoadEquipment	HorsePower	46.00	24.20
tblOffRoadEquipment	HorsePower	46.00	24.20
tblOffRoadEquipment	HorsePower	46.00	24.20
tblOffRoadEquipment	HorsePower	78.00	49.00

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

tblOffRoadEquipment	HorsePower	78.00	49.00
tblOffRoadEquipment	HorsePower	78.00	49.00
tblOffRoadEquipment	HorsePower	78.00	49.00
tblOffRoadEquipment	HorsePower	78.00	49.00
tblOffRoadEquipment	HorsePower	221.00	100.00
tblOffRoadEquipment	HorsePower	221.00	100.00
tblOffRoadEquipment	HorsePower	221.00	100.00
tblOffRoadEquipment	HorsePower	221.00	100.00
tblOffRoadEquipment	HorsePower	158.00	273.00
tblOffRoadEquipment	HorsePower	158.00	273.00
tblOffRoadEquipment	HorsePower	158.00	273.00
tblOffRoadEquipment	HorsePower	158.00	273.00
tblOffRoadEquipment	HorsePower	158.00	273.00
tblOffRoadEquipment	HorsePower	158.00	273.00
tblOffRoadEquipment	HorsePower	84.00	40.20
tblOffRoadEquipment	HorsePower	172.00	157.00
tblOffRoadEquipment	HorsePower	172.00	157.00
tblOffRoadEquipment	HorsePower	172.00	157.00
tblOffRoadEquipment	HorsePower	172.00	157.00
tblOffRoadEquipment	HorsePower	172.00	157.00
tblOffRoadEquipment	HorsePower	172.00	157.00
tblOffRoadEquipment	HorsePower	130.00	74.80
tblOffRoadEquipment	HorsePower	130.00	74.80
tblOffRoadEquipment	HorsePower	130.00	74.80
tblOffRoadEquipment	HorsePower	130.00	74.80
tblOffRoadEquipment	HorsePower	130.00	74.80
tblOffRoadEquipment	HorsePower	130.00	74.80
tblOffRoadEquipment	HorsePower	132.00	74.00
tblOffRoadEquipment	HorsePower	132.00	74.00

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

tblOffRoadEquipment	HorsePower	132.00	74.00
tblOffRoadEquipment	HorsePower	132.00	74.00
tblOffRoadEquipment	HorsePower	132.00	74.00
tblOffRoadEquipment	HorsePower	132.00	74.00
tblOffRoadEquipment	HorsePower	8.00	9.00
tblOffRoadEquipment	HorsePower	80.00	74.00
tblOffRoadEquipment	HorsePower	80.00	74.00
tblOffRoadEquipment	HorsePower	80.00	74.00
tblOffRoadEquipment	HorsePower	80.00	74.00
tblOffRoadEquipment	HorsePower	80.00	74.00
tblOffRoadEquipment	HorsePower	247.00	215.00
tblOffRoadEquipment	HorsePower	247.00	215.00
tblOffRoadEquipment	HorsePower	247.00	215.00
tblOffRoadEquipment	HorsePower	247.00	215.00
tblOffRoadEquipment	HorsePower	247.00	215.00
tblOffRoadEquipment	HorsePower	65.00	74.30
tblOffRoadEquipment	HorsePower	65.00	74.30
tblOffRoadEquipment	HorsePower	65.00	74.30
tblOffRoadEquipment	HorsePower	65.00	74.30
tblOffRoadEquipment	HorsePower	65.00	74.30
tblOffRoadEquipment	HorsePower	65.00	74.30
tblOffRoadEquipment	HorsePower	64.00	99.00
tblOffRoadEquipment	HorsePower	64.00	99.00
tblOffRoadEquipment	HorsePower	64.00	99.00
tblOffRoadEquipment	HorsePower	64.00	99.00
tblOffRoadEquipment	HorsePower	64.00	99.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		P.2 Build B Overall

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

tblOffRoadEquipment	PhaseName		P.3 Meeting Hall Overall
tblOffRoadEquipment	PhaseName		P.1 Build A Overall
tblOffRoadEquipment	PhaseName		P.3 Build C Overall
tblOffRoadEquipment	PhaseName		P.1 Fitness Overall
tblOffRoadEquipment	PhaseName		P.2 Build B Overall
tblOffRoadEquipment	PhaseName		P.3 Meeting Hall Overall
tblOffRoadEquipment	PhaseName		P.1 Build A Overall
tblOffRoadEquipment	PhaseName		P.3 Build C Overall
tblOffRoadEquipment	PhaseName		P.1 Fitness Overall
tblOffRoadEquipment	PhaseName		P.2 Build B Overall
tblOffRoadEquipment	PhaseName		P.3 Meeting Hall Overall
tblOffRoadEquipment	PhaseName		P.1 Build A Overall
tblOffRoadEquipment	PhaseName		P.3 Build C Overall
tblOffRoadEquipment	PhaseName		P.0 Utility Relocation Prep Roadway
tblOffRoadEquipment	PhaseName		P.2 Build B Overall
tblOffRoadEquipment	PhaseName		P.3 Meeting Hall Overall
tblOffRoadEquipment	PhaseName		P.1 Build A Overall
tblOffRoadEquipment	PhaseName		P.3 Build C Overall
tblOffRoadEquipment	PhaseName		P.1 Fitness Overall
tblOffRoadEquipment	PhaseName		P.0 Utility Relocation Prep Roadway
tblOffRoadEquipment	PhaseName		P.2 Build B Overall
tblOffRoadEquipment	PhaseName		P.3 Meeting Hall Overall
tblOffRoadEquipment	PhaseName		P.1 Build A Overall
tblOffRoadEquipment	PhaseName		P.3 Build C Overall
tblOffRoadEquipment	PhaseName		P.1 Fitness Overall
tblOffRoadEquipment	PhaseName		P.0 Utility Relocation Prep Roadway
tblOffRoadEquipment	PhaseName		P.0 Utility Relocation Prep Roadway
tblOffRoadEquipment	PhaseName		P.0 Utility Relocation Prep Roadway
tblOffRoadEquipment	PhaseName		P.2 Build B Overall

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

tblOffRoadEquipment	PhaseName		P.3 Meeting Hall Overall
tblOffRoadEquipment	PhaseName		P.1 Build A Overall
tblOffRoadEquipment	PhaseName		P.3 Build C Overall
tblOffRoadEquipment	PhaseName		P.1 Fitness Overall
tblOffRoadEquipment	PhaseName		P.0 Utility Relocation Prep Roadway
tblOffRoadEquipment	PhaseName		P.2 Build B Overall
tblOffRoadEquipment	PhaseName		P.3 Meeting Hall Overall
tblOffRoadEquipment	PhaseName		P.1 Build A Overall
tblOffRoadEquipment	PhaseName		P.3 Build C Overall
tblOffRoadEquipment	PhaseName		P.1 Fitness Overall
tblOffRoadEquipment	PhaseName		P.0 Utility Relocation Prep Roadway
tblOffRoadEquipment	PhaseName		P.2 Build B Overall
tblOffRoadEquipment	PhaseName		P.3 Meeting Hall Overall
tblOffRoadEquipment	PhaseName		P.1 Build A Overall
tblOffRoadEquipment	PhaseName		P.3 Build C Overall
tblOffRoadEquipment	PhaseName		P.1 Fitness Overall
tblOffRoadEquipment	PhaseName		P.0 Utility Relocation Prep Roadway
tblOffRoadEquipment	PhaseName		P.2 Build B Overall
tblOffRoadEquipment	PhaseName		P.3 Meeting Hall Overall
tblOffRoadEquipment	PhaseName		P.1 Build A Overall
tblOffRoadEquipment	PhaseName		P.3 Build C Overall
tblOffRoadEquipment	PhaseName		P.1 Fitness Overall
tblOffRoadEquipment	PhaseName		P.2 Build B Overall
tblOffRoadEquipment	PhaseName		P.3 Meeting Hall Overall
tblOffRoadEquipment	PhaseName		P.1 Build A Overall
tblOffRoadEquipment	PhaseName		P.3 Build C Overall
tblOffRoadEquipment	PhaseName		P.1 Fitness Overall
tblOffRoadEquipment	PhaseName		P.0 Utility Relocation Prep Roadway
tblOffRoadEquipment	PhaseName		P.2 Build B Overall

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

tblOffRoadEquipment	PhaseName		P.3 Meeting Hall Overall
tblOffRoadEquipment	PhaseName		P.1 Build A Overall
tblOffRoadEquipment	PhaseName		P.3 Build C Overall
tblOffRoadEquipment	PhaseName		P.1 Fitness Overall
tblOffRoadEquipment	PhaseName		P.2 Build B Overall
tblOffRoadEquipment	PhaseName		P.3 Meeting Hall Overall
tblOffRoadEquipment	PhaseName		P.1 Build A Overall
tblOffRoadEquipment	PhaseName		P.3 Build C Overall
tblOffRoadEquipment	PhaseName		P.1 Fitness Overall
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.30
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.70
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.30

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

tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.30
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.80
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	9.60
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	8.90
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	7.50
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	8.80
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	17.10
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	4.70
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00

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

tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	4.30
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	3.40
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	4.10
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	7.70
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00

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

tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00

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

tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	1.10
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	1.80
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	1.30
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	1.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	2.90
tblOffRoadEquipment	UsageHours	8.00	0.00
tblSolidWaste	SolidWasteGenerationRate	6.04	0.00
tblSolidWaste	SolidWasteGenerationRate	27.30	0.00
tblSolidWaste	SolidWasteGenerationRate	23.92	0.00
tblTripsAndVMT	HaulingTripLength	20.00	10.20
tblTripsAndVMT	HaulingTripLength	20.00	10.20
tblTripsAndVMT	HaulingTripLength	20.00	10.20
tblTripsAndVMT	HaulingTripLength	20.00	10.20
tblTripsAndVMT	HaulingTripLength	20.00	10.20
tblTripsAndVMT	HaulingTripNumber	2,222.00	1,906.00
tblTripsAndVMT	HaulingTripNumber	1,355.00	592.00
tblTripsAndVMT	HaulingTripNumber	0.00	230.00
tblTripsAndVMT	HaulingTripNumber	1,061.00	1,328.00
tblTripsAndVMT	HaulingTripNumber	0.00	8.00

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

tblTripsAndVMT	VendorTripNumber	36.00	6.00
tblTripsAndVMT	VendorTripNumber	36.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	36.00	0.00
tblTripsAndVMT	VendorTripNumber	36.00	9.00
tblTripsAndVMT	VendorTripNumber	0.00	3.00
tblTripsAndVMT	VendorTripNumber	0.00	3.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	36.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	36.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	3.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	36.00	0.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	36.00	11.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	36.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	36.00	0.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	36.00	7.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	36.00	0.00
tblTripsAndVMT	VendorTripNumber	36.00	4.00
tblTripsAndVMT	VendorTripNumber	36.00	0.00
tblTripsAndVMT	VendorTripNumber	36.00	3.00

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

tblTripsAndVMT	WorkerTripNumber	23.00	34.00
tblTripsAndVMT	WorkerTripNumber	116.00	67.00
tblTripsAndVMT	WorkerTripNumber	116.00	52.00
tblTripsAndVMT	WorkerTripNumber	0.00	51.00
tblTripsAndVMT	WorkerTripNumber	116.00	0.00
tblTripsAndVMT	WorkerTripNumber	116.00	72.00
tblTripsAndVMT	WorkerTripNumber	0.00	40.00
tblTripsAndVMT	WorkerTripNumber	0.00	40.00
tblTripsAndVMT	WorkerTripNumber	23.00	49.00
tblTripsAndVMT	WorkerTripNumber	23.00	100.00
tblTripsAndVMT	WorkerTripNumber	116.00	52.00
tblTripsAndVMT	WorkerTripNumber	0.00	34.00
tblTripsAndVMT	WorkerTripNumber	116.00	35.00
tblTripsAndVMT	WorkerTripNumber	0.00	43.00
tblTripsAndVMT	WorkerTripNumber	0.00	34.00
tblTripsAndVMT	WorkerTripNumber	116.00	0.00
tblTripsAndVMT	WorkerTripNumber	0.00	31.00
tblTripsAndVMT	WorkerTripNumber	116.00	27.00
tblTripsAndVMT	WorkerTripNumber	23.00	113.00
tblTripsAndVMT	WorkerTripNumber	23.00	82.00
tblTripsAndVMT	WorkerTripNumber	116.00	17.00
tblTripsAndVMT	WorkerTripNumber	0.00	22.00
tblTripsAndVMT	WorkerTripNumber	116.00	0.00
tblTripsAndVMT	WorkerTripNumber	23.00	37.00
tblTripsAndVMT	WorkerTripNumber	116.00	48.00
tblTripsAndVMT	WorkerTripNumber	0.00	51.00
tblTripsAndVMT	WorkerTripNumber	116.00	0.00
tblTripsAndVMT	WorkerTripNumber	116.00	52.00
tblTripsAndVMT	WorkerTripNumber	116.00	0.00

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

tblTripsAndVMT	WorkerTripNumber	116.00	48.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	5.99	0.00
tblVehicleTrips	ST_TR	2.03	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	27.63	0.00
tblVehicleTrips	SU_TR	1.95	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	6.95	0.00
tblVehicleTrips	WD_TR	2.40	0.00
tblWater	IndoorWaterUseRate	62,691.73	0.00
tblWater	IndoorWaterUseRate	149,873.87	0.00
tblWater	IndoorWaterUseRate	3,388,009.33	0.00
tblWater	OutdoorWaterUseRate	38,423.97	0.00
tblWater	OutdoorWaterUseRate	234,418.11	0.00
tblWater	OutdoorWaterUseRate	2,135,918.93	0.00
tblWoodstoves	NumberCatalytic	1.04	0.00
tblWoodstoves	NumberNoncatalytic	1.04	0.00

2.0 Emissions Summary

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

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.0921	0.7978	0.9838	2.3500e-003	0.0874	0.0294	0.1168	0.0185	0.0275	0.0460	0.0000	207.6749	207.6749	0.0410	6.3100e-003	210.5802
2024	1.9843	2.9919	4.0024	8.4500e-003	0.2881	0.1120	0.4000	0.0690	0.1046	0.1736	0.0000	743.2086	743.2086	0.1492	0.0162	751.7643
2025	2.6266	1.5050	2.0770	4.3900e-003	0.1345	0.0548	0.1893	0.0342	0.0511	0.0853	0.0000	386.2156	386.2156	0.0833	5.3200e-003	389.8826
Maximum	**2.6266**	**2.9919**	**4.0024**	**8.4500e-003**	**0.2881**	**0.1120**	**0.4000**	**0.0690**	**0.1046**	**0.1736**	**0.0000**	**743.2086**	**743.2086**	**0.1492**	**0.0162**	**751.7643**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.0561	0.4422	0.9823	2.1300e-003	0.0703	8.2000e-003	0.0785	0.0166	8.1500e-003	0.0248	0.0000	188.4628	188.4628	0.0350	6.3100e-003	191.2180
2024	1.8335	1.4715	3.5547	7.2500e-003	0.2598	0.0259	0.2858	0.0659	0.0258	0.0917	0.0000	639.9855	639.9855	0.1167	0.0162	647.7296
2025	2.5498	0.7541	1.9949	3.9000e-003	0.1284	0.0119	0.1403	0.0335	0.0118	0.0454	0.0000	343.4319	343.4319	0.0698	5.3200e-003	346.7623
Maximum	**2.5498**	**1.4715**	**3.5547**	**7.2500e-003**	**0.2598**	**0.0259**	**0.2858**	**0.0659**	**0.0258**	**0.0917**	**0.0000**	**639.9855**	**639.9855**	**0.1167**	**0.0162**	**647.7296**

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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	N20	CO2e
Percent Reduction	**5.60**	**49.61**	**7.52**	**12.57**	**10.09**	**76.53**	**28.55**	**4.62**	**75.00**	**46.91**	**0.00**	**12.36**	**12.36**	**18.99**	**0.00**	**12.31**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**7-3-2023**	**10-2-2023**	0.3783	0.2191
2	**10-3-2023**	**1-2-2024**	0.5360	0.2920
3	**1-3-2024**	**4-2-2024**	0.9855	0.5301
4	**4-3-2024**	**7-2-2024**	1.5753	1.0780
5	**7-3-2024**	**10-2-2024**	1.4351	1.0653
6	**10-3-2024**	**1-2-2025**	0.9747	0.6313
7	**1-3-2025**	**4-2-2025**	1.1986	0.8455
8	**4-3-2025**	**7-2-2025**	1.8756	1.5199
9	**7-3-2025**	**9-30-2025**	1.0410	0.9306
		Highest	1.8756	1.5199

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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	0.4607	4.4700e-003	0.3884	2.0000e-005		2.1500e-003	2.1500e-003		2.1500e-003	2.1500e-003	0.0000	0.6358	0.6358	6.2000e-004	0.0000	0.6513
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.4607**	**4.4700e-003**	**0.3884**	**2.0000e-005**	**0.0000**	**2.1500e-003**	**2.1500e-003**	**0.0000**	**2.1500e-003**	**2.1500e-003**	**0.0000**	**0.6358**	**0.6358**	**6.2000e-004**	**0.0000**	**0.6513**

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	0.4607	4.4700e-003	0.3884	2.0000e-005		2.1500e-003	2.1500e-003		2.1500e-003	2.1500e-003	0.0000	0.6358	0.6358	6.2000e-004	0.0000	0.6513
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.4607**	**4.4700e-003**	**0.3884**	**2.0000e-005**	**0.0000**	**2.1500e-003**	**2.1500e-003**	**0.0000**	**2.1500e-003**	**2.1500e-003**	**0.0000**	**0.6358**	**0.6358**	**6.2000e-004**	**0.0000**	**0.6513**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	P.0 Utility Relocation Prep Roadway	Site Preparation	7/3/2023	11/14/2023	5	97	
2	P.1 Build A Excavation	Grading	7/3/2023	7/28/2023	5	20	
3	P.3 Build C Excavation	Grading	11/16/2023	1/11/2024	5	41	

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4	P.2 Build B Excavation	Grading	2/2/2024	3/18/2024	5	32
5	P.3 Meeting Hall Excavation	Grading	12/11/2024	1/8/2025	5	21
6	P.1 Build A Overall	Building Construction	7/3/2023	11/29/2024	5	370
7	P.1 Bulid A Concrete Found	Building Construction	8/1/2023	12/6/2023	5	92
8	P.3 Build C Overall	Building Construction	11/16/2023	8/12/2025	5	454
9	P.1 Build A Building Frame	Building Construction	12/7/2023	3/25/2024	5	78
10	P.1 Fitness Overall	Building Construction	12/7/2023	7/18/2024	5	161
11	P.1 Fitness Build Found	Building Construction	12/7/2023	1/25/2024	5	36
12	P.3 Build C Concrete Found	Building Construction	1/12/2024	7/18/2024	5	135
13	P.1 Fitness Build Frame	Building Construction	1/26/2024	4/1/2024	5	47
14	P.2 Build B Overall	Building Construction	2/2/2024	7/1/2025	5	368
15	P.2 Build B Concrete Found	Building Construction	3/20/2024	9/30/2024	5	139
16	P.3 Build C Build Frame	Building Construction	7/19/2024	11/4/2024	5	77
17	P.2 Build B Build Frame	Building Construction	10/1/2024	12/10/2024	5	51
18	P.3 Meeting Hall Overall	Building Construction	12/11/2024	8/13/2025	5	176
19	P.3 Meeting Hall Concrete Found	Building Construction	1/10/2025	3/24/2025	5	52
20	P.3 Meeting Hall Build Frame	Building Construction	3/23/2025	4/29/2025	5	27
21	P.1 Build A Building Exterior	Paving	3/26/2024	6/27/2024	5	68
22	P.1 Fitness Building Exterior	Paving	4/3/2024	5/23/2024	5	37
23	P.3 Build C Building Exterior	Paving	11/6/2024	2/12/2025	5	71
24	P.2 Build B Build Exterior	Paving	12/11/2024	2/19/2025	5	51
25	P.3 Meeting Hall Build Exterior	Paving	5/1/2025	6/19/2025	5	36
26	P.1 Fitness Interiors	Architectural Coating	5/24/2024	7/19/2024	5	41
27	P.1 Build A Interiors	Architectural Coating	6/28/2024	12/2/2024	5	112
28	P.3 Build C Interiors	Architectural Coating	2/13/2025	8/13/2025	5	130
29	P.2 Build B Interiors	Architectural Coating	2/20/2025	7/2/2025	5	95
30	P.3 Meeting Hall Interiors	Architectural Coating	6/20/2025	8/14/2025	5	40

Acres of Grading (Site Preparation Phase): 7.5

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Acres of Grading (Grading Phase): 8

Acres of Paving: 2.29

Residential Indoor: 214,828; Residential Outdoor: 71,609; Non-Residential Indoor: 8,786; Non-Residential Outdoor: 2,929; Striped Parking Area: 10,875 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
P.0 Utility Relocation Prep Roadway	Cement and Mortar Mixers	1	0.41	9	0.56
P.0 Utility Relocation Prep Roadway	Excavators	1	5.36	273	0.38
P.0 Utility Relocation Prep Roadway	Generator Sets	1	5.36	40.2	0.74
P.0 Utility Relocation Prep Roadway	Graders	1	0.41	187	0.41
P.0 Utility Relocation Prep Roadway	Other Construction Equipment	1	1.73	157	0.42
P.0 Utility Relocation Prep Roadway	Pavers	1	0.30	74.8	0.42
P.0 Utility Relocation Prep Roadway	Paving Equipment	1	0.30	74	0.36
P.0 Utility Relocation Prep Roadway	Plate Compactors	1	0.30	9	0.43
P.0 Utility Relocation Prep Roadway	Rubber Tired Dozers	0	0.00	247	0.40
P.0 Utility Relocation Prep Roadway	Skid Steer Loaders	1	5.40	74.3	0.37
P.0 Utility Relocation Prep Roadway	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.1 Build A Excavation	Excavators	0	0.00	158	0.38
P.1 Build A Excavation	Graders	0	0.00	187	0.41
P.1 Build A Excavation	Rubber Tired Dozers	0	0.00	247	0.40
P.1 Build A Excavation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.1 Build A Overall	Aerial Lifts	1	9.90	63	0.31
P.1 Build A Overall	Air Compressors	1	0.10	49	0.48
P.1 Build A Overall	Bore/Drill Rigs	1	0.70	100	0.50
P.1 Build A Overall	Cement and Mortar Mixers	1	1.50	9	0.56
P.1 Build A Overall	Cranes	1	0.30	408	0.29
P.1 Build A Overall	Excavators	1	1.10	273	0.38
P.1 Build A Overall	Forklifts	1	7.50	110	0.20

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P.1 Build A Overall	Generator Sets	1	3.40	40.2	0.74
P.1 Build A Overall	Other Construction Equipment	1	0.10	157	0.42
P.1 Build A Overall	Pavers	1	0.10	74.8	0.42
P.1 Build A Overall	Paving Equipment	1	0.10	74	0.36
P.1 Build A Overall	Rollers	1	0.10	74	0.38
P.1 Build A Overall	Rubber Tired Dozers	1	1.10	215	0.40
P.1 Build A Overall	Skid Steer Loaders	1	5.50	74.3	0.37
P.1 Build A Overall	Sweepers/Scrubbers	1	0.40	99	0.46
P.1 Build A Overall	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.1 Build A Overall	Welders	1	1.30	24.2	0.45
P.1 Bulid A Concrete Found	Cranes	0	0.00	231	0.29
P.1 Bulid A Concrete Found	Forklifts	0	0.00	89	0.20
P.1 Bulid A Concrete Found	Generator Sets	0	0.00	84	0.74
P.1 Bulid A Concrete Found	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.1 Bulid A Concrete Found	Welders	0	0.00	46	0.45
P.1 Build A Building Frame	Cranes	0	0.00	231	0.29
P.1 Build A Building Frame	Forklifts	0	0.00	89	0.20
P.1 Build A Building Frame	Generator Sets	0	0.00	84	0.74
P.1 Build A Building Frame	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.1 Build A Building Frame	Welders	0	0.00	46	0.45
P.1 Build A Building Exterior	Cement and Mortar Mixers	0	0.00	9	0.56
P.1 Build A Building Exterior	Pavers	0	0.00	130	0.42
P.1 Build A Building Exterior	Paving Equipment	0	0.00	132	0.36
P.1 Build A Building Exterior	Rollers	0	0.00	80	0.38
P.1 Build A Building Exterior	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.1 Build A Interiors	Air Compressors	0	0.00	78	0.48
P.1 Fitness Overall	Aerial Lifts	1	22.90	63	0.31
P.1 Fitness Overall	Air Compressors	1	0.10	49	0.48
P.1 Fitness Overall	Cement and Mortar Mixers	1	3.50	9	0.56

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P.1 Fitness Overall	Cranes	1	0.80	408	0.29
P.1 Fitness Overall	Excavators	1	0.50	273	0.38
P.1 Fitness Overall	Forklifts	1	17.10	110	0.20
P.1 Fitness Overall	Generator Sets	1	7.70	40.2	0.74
P.1 Fitness Overall	Other Construction Equipment	1	0.30	157	0.42
P.1 Fitness Overall	Pavers	1	0.10	74.8	0.42
P.1 Fitness Overall	Paving Equipment	1	0.10	74	0.36
P.1 Fitness Overall	Rollers	1	0.10	74	0.38
P.1 Fitness Overall	Rubber Tired Dozers	1	0.50	215	0.40
P.1 Fitness Overall	Skid Steer Loaders	1	12.60	74.3	0.37
P.1 Fitness Overall	Sweepers/Scrubbers	1	1.00	99	0.46
P.1 Fitness Overall	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.1 Fitness Overall	Welders	1	2.90	24.2	0.45
P.1 Fitness Build Found	Cranes	0	0.00	231	0.29
P.1 Fitness Build Found	Forklifts	0	0.00	89	0.20
P.1 Fitness Build Found	Generator Sets	0	0.00	84	0.74
P.1 Fitness Build Found	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.1 Fitness Build Found	Welders	0	0.00	46	0.45
P.1 Fitness Build Frame	Cranes	0	0.00	231	0.29
P.1 Fitness Build Frame	Forklifts	0	0.00	89	0.20
P.1 Fitness Build Frame	Generator Sets	0	0.00	84	0.74
P.1 Fitness Build Frame	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.1 Fitness Build Frame	Welders	0	0.00	46	0.45
P.1 Fitness Building Exterior	Cement and Mortar Mixers	0	0.00	9	0.56
P.1 Fitness Building Exterior	Pavers	0	0.00	130	0.42
P.1 Fitness Building Exterior	Paving Equipment	0	0.00	132	0.36
P.1 Fitness Building Exterior	Rollers	0	0.00	80	0.38
P.1 Fitness Building Exterior	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.1 Fitness Interiors	Air Compressors	0	0.00	78	0.48

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P.2 Build B Overall	Aerial Lifts	1	10.20	63	0.31
P.2 Build B Overall	Air Compressors	1	0.10	49	0.48
P.2 Build B Overall	Bore/Drill Rigs	1	0.90	100	0.50
P.2 Build B Overall	Cement and Mortar Mixers	1	1.10	9	0.56
P.2 Build B Overall	Cranes	1	0.30	408	0.29
P.2 Build B Overall	Excavators	1	1.60	273	0.38
P.2 Build B Overall	Forklifts	1	9.60	110	0.20
P.2 Build B Overall	Generator Sets	1	4.70	40.2	0.74
P.2 Build B Overall	Other Construction Equipment	1	0.10	157	0.42
P.2 Build B Overall	Pavers	1	0.10	74.8	0.42
P.2 Build B Overall	Paving Equipment	1	0.10	74	0.36
P.2 Build B Overall	Rollers	1	0.10	74	0.38
P.2 Build B Overall	Rubber Tired Dozers	1	1.60	215	0.40
P.2 Build B Overall	Skid Steer Loaders	1	6.70	74.3	0.37
P.2 Build B Overall	Sweepers/Scrubbers	1	0.70	99	0.46
P.2 Build B Overall	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.2 Build B Overall	Welders	1	1.10	24.2	0.45
P.2 Build B Excavation	Excavators	0	0.00	158	0.38
P.2 Build B Excavation	Graders	0	0.00	187	0.41
P.2 Build B Excavation	Rubber Tired Dozers	0	0.00	247	0.40
P.2 Build B Excavation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.2 Build B Concrete Found	Cranes	0	0.00	231	0.29
P.2 Build B Concrete Found	Forklifts	0	0.00	89	0.20
P.2 Build B Concrete Found	Generator Sets	0	0.00	84	0.74
P.2 Build B Concrete Found	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.2 Build B Concrete Found	Welders	0	0.00	46	0.45
P.2 Build B Build Frame	Cranes	0	0.00	231	0.29
P.2 Build B Build Frame	Forklifts	0	0.00	89	0.20
P.2 Build B Build Frame	Generator Sets	0	0.00	84	0.74

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P.2 Build B Build Frame	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.2 Build B Build Frame	Welders	0	0.00	46	0.45
P.2 Build B Build Exterior	Cement and Mortar Mixers	0	0.00	9	0.56
P.2 Build B Build Exterior	Pavers	0	0.00	130	0.42
P.2 Build B Build Exterior	Paving Equipment	0	0.00	132	0.36
P.2 Build B Build Exterior	Rollers	0	0.00	80	0.38
P.2 Build B Build Exterior	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.2 Build B Interiors	Air Compressors	0	0.00	78	0.48
P.3 Build C Overall	Aerial Lifts	1	9.50	63	0.31
P.3 Build C Overall	Air Compressors	1	0.10	49	0.48
P.3 Build C Overall	Bore/Drill Rigs	1	0.50	100	0.50
P.3 Build C Overall	Cement and Mortar Mixers	1	1.20	9	0.56
P.3 Build C Overall	Cranes	1	0.30	408	0.29
P.3 Build C Overall	Excavators	1	1.30	273	0.38
P.3 Build C Overall	Forklifts	1	8.80	110	0.20
P.3 Build C Overall	Generator Sets	1	4.10	40.2	0.74
P.3 Build C Overall	Other Construction Equipment	1	0.10	157	0.42
P.3 Build C Overall	Pavers	1	0.10	74.8	0.42
P.3 Build C Overall	Paving Equipment	1	0.10	74	0.36
P.3 Build C Overall	Rollers	1	0.10	74	0.38
P.3 Build C Overall	Rubber Tired Dozers	1	1.30	215	0.40
P.3 Build C Overall	Skid Steer Loaders	1	4.60	74.3	0.37
P.3 Build C Overall	Sweepers/Scrubbers	1	0.50	99	0.46
P.3 Build C Overall	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.3 Build C Overall	Welders	1	1.00	24.2	0.45
P.3 Build C Excavation	Excavators	0	0.00	158	0.38
P.3 Build C Excavation	Graders	0	0.00	187	0.41
P.3 Build C Excavation	Rubber Tired Dozers	0	0.00	247	0.40
P.3 Build C Excavation	Tractors/Loaders/Backhoes	0	0.00	97	0.37

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P.3 Build C Concrete Found	Cranes	0	0.00	231	0.29
P.3 Build C Concrete Found	Forklifts	0	0.00	89	0.20
P.3 Build C Concrete Found	Generator Sets	0	0.00	84	0.74
P.3 Build C Concrete Found	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.3 Build C Concrete Found	Welders	0	0.00	46	0.45
P.3 Build C Build Frame	Cranes	0	0.00	231	0.29
P.3 Build C Build Frame	Forklifts	0	0.00	89	0.20
P.3 Build C Build Frame	Generator Sets	0	0.00	84	0.74
P.3 Build C Build Frame	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.3 Build C Build Frame	Welders	0	0.00	46	0.45
P.3 Build C Building Exterior	Cement and Mortar Mixers	0	0.00	9	0.56
P.3 Build C Building Exterior	Pavers	0	0.00	130	0.42
P.3 Build C Building Exterior	Paving Equipment	0	0.00	132	0.36
P.3 Build C Building Exterior	Rollers	0	0.00	80	0.38
P.3 Build C Building Exterior	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.3 Build C Interiors	Air Compressors	0	0.00	78	0.48
P.3 Meeting Hall Overall	Aerial Lifts	1	10.00	63	0.31
P.3 Meeting Hall Overall	Air Compressors	1	0.10	49	0.48
P.3 Meeting Hall Overall	Bore/Drill Rigs	1	1.80	100	0.50
P.3 Meeting Hall Overall	Cement and Mortar Mixers	1	1.60	9	0.56
P.3 Meeting Hall Overall	Cranes	1	0.70	408	0.29
P.3 Meeting Hall Overall	Excavators	1	2.50	273	0.38
P.3 Meeting Hall Overall	Forklifts	1	8.90	110	0.20
P.3 Meeting Hall Overall	Generator Sets	1	4.30	40.2	0.74
P.3 Meeting Hall Overall	Other Construction Equipment	1	0.20	157	0.42
P.3 Meeting Hall Overall	Pavers	1	0.10	74.8	0.42
P.3 Meeting Hall Overall	Paving Equipment	1	0.10	74	0.36
P.3 Meeting Hall Overall	Rollers	1	0.10	74	0.38
P.3 Meeting Hall Overall	Rubber Tired Dozers	1	2.50	215	0.40

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P.3 Meeting Hall Overall	Skid Steer Loaders	1	14.40	74.3	0.37
P.3 Meeting Hall Overall	Sweepers/Scrubbers	1	0.90	99	0.46
P.3 Meeting Hall Overall	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.3 Meeting Hall Overall	Welders	1	1.80	24.2	0.45
P.3 Meeting Hall Excavation	Excavators	0	0.00	158	0.38
P.3 Meeting Hall Excavation	Graders	0	0.00	187	0.41
P.3 Meeting Hall Excavation	Rubber Tired Dozers	0	0.00	247	0.40
P.3 Meeting Hall Excavation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.3 Meeting Hall Concrete Found	Cranes	0	0.00	231	0.29
P.3 Meeting Hall Concrete Found	Forklifts	0	0.00	89	0.20
P.3 Meeting Hall Concrete Found	Generator Sets	0	0.00	84	0.74
P.3 Meeting Hall Concrete Found	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.3 Meeting Hall Concrete Found	Welders	0	0.00	46	0.45
P.3 Meeting Hall Build Frame	Cranes	0	0.00	231	0.29
P.3 Meeting Hall Build Frame	Forklifts	0	0.00	89	0.20
P.3 Meeting Hall Build Frame	Generator Sets	0	0.00	84	0.74
P.3 Meeting Hall Build Frame	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.3 Meeting Hall Build Frame	Welders	0	0.00	46	0.45
P.3 Meeting Hall Build Exterior	Cement and Mortar Mixers	0	0.00	9	0.56
P.3 Meeting Hall Build Exterior	Pavers	0	0.00	130	0.42
P.3 Meeting Hall Build Exterior	Paving Equipment	0	0.00	132	0.36
P.3 Meeting Hall Build Exterior	Rollers	0	0.00	80	0.38
P.3 Meeting Hall Build Exterior	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.3 Meeting Hall Interiors	Air Compressors	0	0.00	78	0.48

Trips and VMT

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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
P.0 Utility Relocation Prep Roadway	9	34.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.1 Build A Excavation	0	34.00	2.00	592.00	10.80	7.30	10.20	LD_Mix	HDT_Mix	HHDT
P.1 Build A Overall	16	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.1 Bulid A Concrete Found	0	48.00	7.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.1 Build A Building Frame	0	52.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.1 Build A Building Exterior	0	40.00	3.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.1 Build A Interiors	0	100.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.1 Fitness Overall	15	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.1 Fitness Build Found	0	48.00	3.00	8.00	10.80	7.30	10.20	LD_Mix	HDT_Mix	HHDT
P.1 Fitness Build Frame	0	52.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.1 Fitness Building Exterior	0	40.00	3.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.1 Fitness Interiors	0	49.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.2 Build B Overall	16	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.2 Build B Excavation	0	51.00	2.00	1,906.00	10.80	7.30	10.20	LD_Mix	HDT_Mix	HHDT
P.2 Build B Concrete Found	0	72.00	9.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.2 Build B Build Frame	0	35.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.2 Build B Build Exterior	0	31.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.2 Build B Interiors	0	82.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.3 Build C Overall	16	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.3 Build C Excavation	0	51.00	1.00	1,328.00	10.80	7.30	10.20	LD_Mix	HDT_Mix	HHDT
P.3 Build C Concrete Found	0	67.00	6.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.3 Build C Build Frame	0	52.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.3 Build C Building Exterior	0	43.00	3.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.3 Build C Interiors	0	113.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.3 Meeting Hall Overall	16	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.3 Meeting Hall Excavation	0	34.00	2.00	230.00	10.80	7.30	10.20	LD_Mix	HDT_Mix	HHDT
P.3 Meeting Hall Concrete Found	0	27.00	11.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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

P.3 Meeting Hall Build Frame	0	17.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.3 Meeting Hall Build Exterior	0	22.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.3 Meeting Hall Interiors	0	37.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 P.0 Utility Relocation Prep Roadway - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.9800e-003	0.0000	3.9800e-003	4.3000e-004	0.0000	4.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0235	0.1996	0.2291	5.7000e-004		7.4900e-003	7.4900e-003		7.0600e-003	7.0600e-003	0.0000	48.4798	48.4798	0.0135	0.0000	48.8178
Total	**0.0235**	**0.1996**	**0.2291**	**5.7000e-004**	**3.9800e-003**	**7.4900e-003**	**0.0115**	**4.3000e-004**	**7.0600e-003**	**7.4900e-003**	**0.0000**	**48.4798**	**48.4798**	**0.0135**	**0.0000**	**48.8178**

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3.2 P.0 Utility Relocation Prep Roadway - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1200e-003	2.8700e-003	0.0369	1.1000e-004	0.0131	6.0000e-005	0.0131	3.4800e-003	6.0000e-005	3.5400e-003	0.0000	10.0813	10.0813	2.9000e-004	2.8000e-004	10.1711
Total	**4.1200e-003**	**2.8700e-003**	**0.0369**	**1.1000e-004**	**0.0131**	**6.0000e-005**	**0.0131**	**3.4800e-003**	**6.0000e-005**	**3.5400e-003**	**0.0000**	**10.0813**	**10.0813**	**2.9000e-004**	**2.8000e-004**	**10.1711**

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					1.7900e-003	0.0000	1.7900e-003	1.9000e-004	0.0000	1.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0154	0.1309	0.3139	5.7000e-004		2.8600e-003	2.8600e-003		2.8600e-003	2.8600e-003	0.0000	48.3658	48.3658	0.0135	0.0000	48.7035
Total	**0.0154**	**0.1309**	**0.3139**	**5.7000e-004**	**1.7900e-003**	**2.8600e-003**	**4.6500e-003**	**1.9000e-004**	**2.8600e-003**	**3.0500e-003**	**0.0000**	**48.3658**	**48.3658**	**0.0135**	**0.0000**	**48.7035**

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

3.2 P.0 Utility Relocation Prep Roadway - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1200e-003	2.8700e-003	0.0369	1.1000e-004	0.0131	6.0000e-005	0.0131	3.4800e-003	6.0000e-005	3.5400e-003	0.0000	10.0813	10.0813	2.9000e-004	2.8000e-004	10.1711
Total	**4.1200e-003**	**2.8700e-003**	**0.0369**	**1.1000e-004**	**0.0131**	**6.0000e-005**	**0.0131**	**3.4800e-003**	**6.0000e-005**	**3.5400e-003**	**0.0000**	**10.0813**	**10.0813**	**2.9000e-004**	**2.8000e-004**	**10.1711**

3.3 P.1 Build A Excavation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.8600e-003	0.0000	4.8600e-003	5.5000e-004	0.0000	5.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**4.8600e-003**	**0.0000**	**4.8600e-003**	**5.5000e-004**	**0.0000**	**5.5000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.3 P.1 Build A Excavation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.5000e-004	0.0231	6.8000e-003	9.0000e-005	2.5600e-003	1.7000e-004	2.7300e-003	7.1000e-004	1.6000e-004	8.7000e-004	0.0000	9.3910	9.3910	3.2000e-004	1.4900e-003	9.8426
Vendor	2.0000e-005	8.9000e-004	2.8000e-004	0.0000	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.3977	0.3977	1.0000e-005	6.0000e-005	0.4153
Worker	8.5000e-004	5.9000e-004	7.6100e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	2.0786	2.0786	6.0000e-005	6.0000e-005	2.0971
Total	**1.3200e-003**	**0.0246**	**0.0147**	**1.1000e-004**	**5.3900e-003**	**1.9000e-004**	**5.5800e-003**	**1.4700e-003**	**1.8000e-004**	**1.6400e-003**	**0.0000**	**11.8673**	**11.8673**	**3.9000e-004**	**1.6100e-003**	**12.3550**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.1800e-003	0.0000	2.1800e-003	2.5000e-004	0.0000	2.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**2.1800e-003**	**0.0000**	**2.1800e-003**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.3 P.1 Build A Excavation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.5000e-004	0.0231	6.8000e-003	9.0000e-005	2.5600e-003	1.7000e-004	2.7300e-003	7.1000e-004	1.6000e-004	8.7000e-004	0.0000	9.3910	9.3910	3.2000e-004	1.4900e-003	9.8426
Vendor	2.0000e-005	8.9000e-004	2.8000e-004	0.0000	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.3977	0.3977	1.0000e-005	6.0000e-005	0.4153
Worker	8.5000e-004	5.9000e-004	7.6100e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	2.0786	2.0786	6.0000e-005	6.0000e-005	2.0971
Total	**1.3200e-003**	**0.0246**	**0.0147**	**1.1000e-004**	**5.3900e-003**	**1.9000e-004**	**5.5800e-003**	**1.4700e-003**	**1.8000e-004**	**1.6400e-003**	**0.0000**	**11.8673**	**11.8673**	**3.9000e-004**	**1.6100e-003**	**12.3550**

3.4 P.3 Build C Excavation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0222	0.0000	0.0222	2.4200e-003	0.0000	2.4200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0222**	**0.0000**	**0.0222**	**2.4200e-003**	**0.0000**	**2.4200e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.4 P.3 Build C Excavation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.9000e-004	0.0404	0.0119	1.7000e-004	4.4900e-003	2.9000e-004	4.7800e-003	1.2400e-003	2.8000e-004	1.5200e-003	0.0000	16.4420	16.4420	5.5000e-004	2.6100e-003	17.2326
Vendor	2.0000e-005	7.1000e-004	2.2000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.3181	0.3181	1.0000e-005	5.0000e-005	0.3322
Worker	2.0400e-003	1.4200e-003	0.0183	5.0000e-005	6.4700e-003	3.0000e-005	6.5000e-003	1.7200e-003	3.0000e-005	1.7500e-003	0.0000	4.9887	4.9887	1.4000e-004	1.4000e-004	5.0331
Total	**2.8500e-003**	**0.0426**	**0.0304**	**2.2000e-004**	**0.0111**	**3.2000e-004**	**0.0114**	**2.9900e-003**	**3.1000e-004**	**3.3000e-003**	**0.0000**	**21.7488**	**21.7488**	**7.0000e-004**	**2.8000e-003**	**22.5979**

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					0.0100	0.0000	0.0100	1.0900e-003	0.0000	1.0900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0100**	**0.0000**	**0.0100**	**1.0900e-003**	**0.0000**	**1.0900e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.4 P.3 Build C Excavation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.9000e-004	0.0404	0.0119	1.7000e-004	4.4900e-003	2.9000e-004	4.7800e-003	1.2400e-003	2.8000e-004	1.5200e-003	0.0000	16.4420	16.4420	5.5000e-004	2.6100e-003	17.2326
Vendor	2.0000e-005	7.1000e-004	2.2000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.3181	0.3181	1.0000e-005	5.0000e-005	0.3322
Worker	2.0400e-003	1.4200e-003	0.0183	5.0000e-005	6.4700e-003	3.0000e-005	6.5000e-003	1.7200e-003	3.0000e-005	1.7500e-003	0.0000	4.9887	4.9887	1.4000e-004	1.4000e-004	5.0331
Total	**2.8500e-003**	**0.0426**	**0.0304**	**2.2000e-004**	**0.0111**	**3.2000e-004**	**0.0114**	**2.9900e-003**	**3.1000e-004**	**3.3000e-003**	**0.0000**	**21.7488**	**21.7488**	**7.0000e-004**	**2.8000e-003**	**22.5979**

3.4 P.3 Build C Excavation - 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					0.0222	0.0000	0.0222	2.4200e-003	0.0000	2.4200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0222**	**0.0000**	**0.0222**	**2.4200e-003**	**0.0000**	**2.4200e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.4 P.3 Build C Excavation - 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	2.2000e-004	0.0114	3.3700e-003	5.0000e-005	1.2600e-003	8.0000e-005	1.3500e-003	3.5000e-004	8.0000e-005	4.3000e-004	0.0000	4.5511	4.5511	1.5000e-004	7.2000e-004	4.7700
Vendor	0.0000	2.0000e-004	6.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0882	0.0882	0.0000	1.0000e-005	0.0921
Worker	5.4000e-004	3.6000e-004	4.8000e-003	1.0000e-005	1.8200e-003	1.0000e-005	1.8300e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.3690	1.3690	4.0000e-005	4.0000e-005	1.3807
Total	**7.6000e-004**	**0.0119**	**8.2300e-003**	**6.0000e-005**	**3.1100e-003**	**9.0000e-005**	**3.2100e-003**	**8.4000e-004**	**9.0000e-005**	**9.3000e-004**	**0.0000**	**6.0083**	**6.0083**	**1.9000e-004**	**7.7000e-004**	**6.2427**

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					0.0100	0.0000	0.0100	1.0900e-003	0.0000	1.0900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0100**	**0.0000**	**0.0100**	**1.0900e-003**	**0.0000**	**1.0900e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.4 P.3 Build C Excavation - 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	2.2000e-004	0.0114	3.3700e-003	5.0000e-005	1.2600e-003	8.0000e-005	1.3500e-003	3.5000e-004	8.0000e-005	4.3000e-004	0.0000	4.5511	4.5511	1.5000e-004	7.2000e-004	4.7700
Vendor	0.0000	2.0000e-004	6.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0882	0.0882	0.0000	1.0000e-005	0.0921
Worker	5.4000e-004	3.6000e-004	4.8000e-003	1.0000e-005	1.8200e-003	1.0000e-005	1.8300e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.3690	1.3690	4.0000e-005	4.0000e-005	1.3807
Total	**7.6000e-004**	**0.0119**	**8.2300e-003**	**6.0000e-005**	**3.1100e-003**	**9.0000e-005**	**3.2100e-003**	**8.4000e-004**	**9.0000e-005**	**9.3000e-004**	**0.0000**	**6.0083**	**6.0083**	**1.9000e-004**	**7.7000e-004**	**6.2427**

3.5 P.2 Build B Excavation - 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					0.0180	0.0000	0.0180	1.9800e-003	0.0000	1.9800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0180**	**0.0000**	**0.0180**	**1.9800e-003**	**0.0000**	**1.9800e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.5 P.2 Build B Excavation - 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	1.4600e-003	0.0743	0.0220	3.0000e-004	8.2600e-003	5.5000e-004	8.8000e-003	2.2700e-003	5.2000e-004	2.7900e-003	0.0000	29.7566	29.7566	1.0100e-003	4.7200e-003	31.1876
Vendor	3.0000e-005	1.4300e-003	4.4000e-004	1.0000e-005	2.1000e-004	1.0000e-005	2.2000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.6269	0.6269	1.0000e-005	9.0000e-005	0.6546
Worker	1.9100e-003	1.2700e-003	0.0171	5.0000e-005	6.4700e-003	3.0000e-005	6.5000e-003	1.7200e-003	3.0000e-005	1.7500e-003	0.0000	4.8676	4.8676	1.3000e-004	1.3000e-004	4.9090
Total	**3.4000e-003**	**0.0770**	**0.0395**	**3.6000e-004**	**0.0149**	**5.9000e-004**	**0.0155**	**4.0500e-003**	**5.6000e-004**	**4.6100e-003**	**0.0000**	**35.2511**	**35.2511**	**1.1500e-003**	**4.9400e-003**	**36.7513**

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					8.0900e-003	0.0000	8.0900e-003	8.9000e-004	0.0000	8.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**8.0900e-003**	**0.0000**	**8.0900e-003**	**8.9000e-004**	**0.0000**	**8.9000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.5 P.2 Build B Excavation - 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	1.4600e-003	0.0743	0.0220	3.0000e-004	8.2600e-003	5.5000e-004	8.8000e-003	2.2700e-003	5.2000e-004	2.7900e-003	0.0000	29.7566	29.7566	1.0100e-003	4.7200e-003	31.1876
Vendor	3.0000e-005	1.4300e-003	4.4000e-004	1.0000e-005	2.1000e-004	1.0000e-005	2.2000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.6269	0.6269	1.0000e-005	9.0000e-005	0.6546
Worker	1.9100e-003	1.2700e-003	0.0171	5.0000e-005	6.4700e-003	3.0000e-005	6.5000e-003	1.7200e-003	3.0000e-005	1.7500e-003	0.0000	4.8676	4.8676	1.3000e-004	1.3000e-004	4.9090
Total	**3.4000e-003**	**0.0770**	**0.0395**	**3.6000e-004**	**0.0149**	**5.9000e-004**	**0.0155**	**4.0500e-003**	**5.6000e-004**	**4.6100e-003**	**0.0000**	**35.2511**	**35.2511**	**1.1500e-003**	**4.9400e-003**	**36.7513**

3.6 P.3 Meeting Hall Excavation - 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					0.0111	0.0000	0.0111	1.2000e-003	0.0000	1.2000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0111**	**0.0000**	**0.0111**	**1.2000e-003**	**0.0000**	**1.2000e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.6 P.3 Meeting Hall Excavation - 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	1.3000e-004	6.4100e-003	1.9000e-003	3.0000e-005	7.1000e-004	5.0000e-005	7.6000e-004	2.0000e-004	4.0000e-005	2.4000e-004	0.0000	2.5648	2.5648	9.0000e-005	4.1000e-004	2.6882
Vendor	2.0000e-005	6.7000e-004	2.1000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.2939	0.2939	1.0000e-005	4.0000e-005	0.3069
Worker	6.0000e-004	4.0000e-004	5.3400e-003	2.0000e-005	2.0200e-003	1.0000e-005	2.0300e-003	5.4000e-004	1.0000e-005	5.5000e-004	0.0000	1.5211	1.5211	4.0000e-005	4.0000e-005	1.5341
Total	**7.5000e-004**	**7.4800e-003**	**7.4500e-003**	**5.0000e-005**	**2.8300e-003**	**6.0000e-005**	**2.8900e-003**	**7.7000e-004**	**5.0000e-005**	**8.2000e-004**	**0.0000**	**4.3798**	**4.3798**	**1.4000e-004**	**4.9000e-004**	**4.5291**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.0100e-003	0.0000	5.0100e-003	5.4000e-004	0.0000	5.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**5.0100e-003**	**0.0000**	**5.0100e-003**	**5.4000e-004**	**0.0000**	**5.4000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.6 P.3 Meeting Hall Excavation - 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	1.3000e-004	6.4100e-003	1.9000e-003	3.0000e-005	7.1000e-004	5.0000e-005	7.6000e-004	2.0000e-004	4.0000e-005	2.4000e-004	0.0000	2.5648	2.5648	9.0000e-005	4.1000e-004	2.6882
Vendor	2.0000e-005	6.7000e-004	2.1000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.2939	0.2939	1.0000e-005	4.0000e-005	0.3069
Worker	6.0000e-004	4.0000e-004	5.3400e-003	2.0000e-005	2.0200e-003	1.0000e-005	2.0300e-003	5.4000e-004	1.0000e-005	5.5000e-004	0.0000	1.5211	1.5211	4.0000e-005	4.0000e-005	1.5341
Total	**7.5000e-004**	**7.4800e-003**	**7.4500e-003**	**5.0000e-005**	**2.8300e-003**	**6.0000e-005**	**2.8900e-003**	**7.7000e-004**	**5.0000e-005**	**8.2000e-004**	**0.0000**	**4.3798**	**4.3798**	**1.4000e-004**	**4.9000e-004**	**4.5291**

3.6 P.3 Meeting Hall Excavation - 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					
Fugitive Dust					0.0111	0.0000	0.0111	1.2000e-003	0.0000	1.2000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0111**	**0.0000**	**0.0111**	**1.2000e-003**	**0.0000**	**1.2000e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.6 P.3 Meeting Hall Excavation - 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	5.0000e-005	2.5500e-003	7.6000e-004	1.0000e-005	2.8000e-004	2.0000e-005	3.0000e-004	8.0000e-005	2.0000e-005	1.0000e-004	0.0000	1.0062	1.0062	3.0000e-005	1.6000e-004	1.0546
Vendor	1.0000e-005	2.7000e-004	8.0000e-005	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1156	0.1156	0.0000	2.0000e-005	0.1207
Worker	2.3000e-004	1.4000e-004	2.0100e-003	1.0000e-005	8.1000e-004	0.0000	8.1000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.5942	0.5942	1.0000e-005	2.0000e-005	0.5990
Total	**2.9000e-004**	**2.9600e-003**	**2.8500e-003**	**2.0000e-005**	**1.1300e-003**	**2.0000e-005**	**1.1500e-003**	**3.1000e-004**	**2.0000e-005**	**3.3000e-004**	**0.0000**	**1.7159**	**1.7159**	**4.0000e-005**	**2.0000e-004**	**1.7743**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.0100e-003	0.0000	5.0100e-003	5.4000e-004	0.0000	5.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**5.0100e-003**	**0.0000**	**5.0100e-003**	**5.4000e-004**	**0.0000**	**5.4000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.6 P.3 Meeting Hall Excavation - 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	5.0000e-005	2.5500e-003	7.6000e-004	1.0000e-005	2.8000e-004	2.0000e-005	3.0000e-004	8.0000e-005	2.0000e-005	1.0000e-004	0.0000	1.0062	1.0062	3.0000e-005	1.6000e-004	1.0546
Vendor	1.0000e-005	2.7000e-004	8.0000e-005	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1156	0.1156	0.0000	2.0000e-005	0.1207
Worker	2.3000e-004	1.4000e-004	2.0100e-003	1.0000e-005	8.1000e-004	0.0000	8.1000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.5942	0.5942	1.0000e-005	2.0000e-005	0.5990
Total	**2.9000e-004**	**2.9600e-003**	**2.8500e-003**	**2.0000e-005**	**1.1300e-003**	**2.0000e-005**	**1.1500e-003**	**3.1000e-004**	**2.0000e-005**	**3.3000e-004**	**0.0000**	**1.7159**	**1.7159**	**4.0000e-005**	**2.0000e-004**	**1.7743**

3.7 P.1 Build A Overall - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0347	0.3367	0.3947	7.0000e-004		0.0140	0.0140		0.0131	0.0131	0.0000	59.5763	59.5763	0.0171	0.0000	60.0036
Total	**0.0347**	**0.3367**	**0.3947**	**7.0000e-004**		**0.0140**	**0.0140**		**0.0131**	**0.0131**	**0.0000**	**59.5763**	**59.5763**	**0.0171**	**0.0000**	**60.0036**

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

3.7 P.1 Build A Overall - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0159	0.1434	0.3422	5.6000e-004		2.9400e-003	2.9400e-003		2.9400e-003	2.9400e-003	0.0000	47.1511	47.1511	0.0132	0.0000	47.4810
Total	**0.0159**	**0.1434**	**0.3422**	**5.6000e-004**		**2.9400e-003**	**2.9400e-003**		**2.9400e-003**	**2.9400e-003**	**0.0000**	**47.1511**	**47.1511**	**0.0132**	**0.0000**	**47.4810**

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

3.7 P.1 Build A Overall - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 P.1 Build A Overall - 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	0.0613	0.5975	0.7267	1.2900e-003		0.0236	0.0236		0.0220	0.0220	0.0000	109.9868	109.9868	0.0315	0.0000	110.7730
Total	**0.0613**	**0.5975**	**0.7267**	**1.2900e-003**		**0.0236**	**0.0236**		**0.0220**	**0.0220**	**0.0000**	**109.9868**	**109.9868**	**0.0315**	**0.0000**	**110.7730**

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

3.7 P.1 Build A Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0283	0.2619	0.6307	1.0300e-003		4.9300e-003	4.9300e-003		4.9300e-003	4.9300e-003	0.0000	87.0479	87.0479	0.0243	0.0000	87.6543
Total	**0.0283**	**0.2619**	**0.6307**	**1.0300e-003**		**4.9300e-003**	**4.9300e-003**		**4.9300e-003**	**4.9300e-003**	**0.0000**	**87.0479**	**87.0479**	**0.0243**	**0.0000**	**87.6543**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.7 P.1 Build A Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.8 P.1 Bulid A Concrete Found - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.8 P.1 Bulid A Concrete Found - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.5000e-004	0.0143	4.5200e-003	7.0000e-005	2.1200e-003	8.0000e-005	2.2000e-003	6.1000e-004	8.0000e-005	6.9000e-004	0.0000	6.4023	6.4023	1.3000e-004	9.4000e-004	6.6860
Worker	5.5200e-003	3.8400e-003	0.0494	1.5000e-004	0.0175	9.0000e-005	0.0176	4.6600e-003	8.0000e-005	4.7400e-003	0.0000	13.4988	13.4988	3.8000e-004	3.7000e-004	13.6190
Total	**5.8700e-003**	**0.0182**	**0.0539**	**2.2000e-004**	**0.0196**	**1.7000e-004**	**0.0198**	**5.2700e-003**	**1.6000e-004**	**5.4300e-003**	**0.0000**	**19.9011**	**19.9011**	**5.1000e-004**	**1.3100e-003**	**20.3050**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.8 P.1 Bulid A Concrete Found - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.5000e-004	0.0143	4.5200e-003	7.0000e-005	2.1200e-003	8.0000e-005	2.2000e-003	6.1000e-004	8.0000e-005	6.9000e-004	0.0000	6.4023	6.4023	1.3000e-004	9.4000e-004	6.6860
Worker	5.5200e-003	3.8400e-003	0.0494	1.5000e-004	0.0175	9.0000e-005	0.0176	4.6600e-003	8.0000e-005	4.7400e-003	0.0000	13.4988	13.4988	3.8000e-004	3.7000e-004	13.6190
Total	**5.8700e-003**	**0.0182**	**0.0539**	**2.2000e-004**	**0.0196**	**1.7000e-004**	**0.0198**	**5.2700e-003**	**1.6000e-004**	**5.4300e-003**	**0.0000**	**19.9011**	**19.9011**	**5.1000e-004**	**1.3100e-003**	**20.3050**

3.9 P.3 Build C Overall - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.2800e-003	0.0886	0.1008	1.8000e-004		3.7600e-003	3.7600e-003		3.5100e-003	3.5100e-003	0.0000	15.3908	15.3908	4.3700e-003	0.0000	15.5001
Total	**9.2800e-003**	**0.0886**	**0.1008**	**1.8000e-004**		**3.7600e-003**	**3.7600e-003**		**3.5100e-003**	**3.5100e-003**	**0.0000**	**15.3908**	**15.3908**	**4.3700e-003**	**0.0000**	**15.5001**

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

3.9 P.3 Build C Overall - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.2300e-003	0.0357	0.0895	1.5000e-004		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004	0.0000	12.4778	12.4778	3.4500e-003	0.0000	12.5641
Total	**4.2300e-003**	**0.0357**	**0.0895**	**1.5000e-004**		**8.0000e-004**	**8.0000e-004**		**8.0000e-004**	**8.0000e-004**	**0.0000**	**12.4778**	**12.4778**	**3.4500e-003**	**0.0000**	**12.5641**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.9 P.3 Build C Overall - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.9 P.3 Build C Overall - 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	0.0727	0.6967	0.8225	1.4800e-003		0.0281	0.0281		0.0262	0.0262	0.0000	126.0100	126.0100	0.0356	0.0000	126.9008
Total	**0.0727**	**0.6967**	**0.8225**	**1.4800e-003**		**0.0281**	**0.0281**		**0.0262**	**0.0262**	**0.0000**	**126.0100**	**126.0100**	**0.0356**	**0.0000**	**126.9008**

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

3.9 P.3 Build C Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0332	0.2882	0.7315	1.2100e-003		5.9400e-003	5.9400e-003		5.9400e-003	5.9400e-003	0.0000	102.1598	102.1598	0.0281	0.0000	102.8627
Total	**0.0332**	**0.2882**	**0.7315**	**1.2100e-003**		**5.9400e-003**	**5.9400e-003**		**5.9400e-003**	**5.9400e-003**	**0.0000**	**102.1598**	**102.1598**	**0.0281**	**0.0000**	**102.8627**

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

3.9 P.3 Build C Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.9 P.3 Build C Overall - 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	0.0416	0.4013	0.4981	9.1000e-004		0.0152	0.0152		0.0142	0.0142	0.0000	76.9547	76.9547	0.0217	0.0000	77.4973
Total	**0.0416**	**0.4013**	**0.4981**	**9.1000e-004**		**0.0152**	**0.0152**		**0.0142**	**0.0142**	**0.0000**	**76.9547**	**76.9547**	**0.0217**	**0.0000**	**77.4973**

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

3.9 P.3 Build C Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0195	0.1738	0.4461	7.4000e-004		3.3100e-003	3.3100e-003		3.3100e-003	3.3100e-003	0.0000	62.3897	62.3897	0.0171	0.0000	62.8175
Total	**0.0195**	**0.1738**	**0.4461**	**7.4000e-004**		**3.3100e-003**	**3.3100e-003**		**3.3100e-003**	**3.3100e-003**	**0.0000**	**62.3897**	**62.3897**	**0.0171**	**0.0000**	**62.8175**

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

3.9 P.3 Build C Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.10 P.1 Build A Building Frame - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.10 P.1 Build A Building Frame - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	1.5100e-003	4.8000e-004	1.0000e-005	2.2000e-004	1.0000e-005	2.3000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.6760	0.6760	1.0000e-005	1.0000e-004	0.7060
Worker	1.1000e-003	7.7000e-004	9.8900e-003	3.0000e-005	3.5100e-003	2.0000e-005	3.5200e-003	9.3000e-004	2.0000e-005	9.5000e-004	0.0000	2.7022	2.7022	8.0000e-005	7.0000e-005	2.7263
Total	**1.1400e-003**	**2.2800e-003**	**0.0104**	**4.0000e-005**	**3.7300e-003**	**3.0000e-005**	**3.7500e-003**	**9.9000e-004**	**3.0000e-005**	**1.0200e-003**	**0.0000**	**3.3782**	**3.3782**	**9.0000e-005**	**1.7000e-004**	**3.4322**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.10 P.1 Build A Building Frame - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	1.5100e-003	4.8000e-004	1.0000e-005	2.2000e-004	1.0000e-005	2.3000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.6760	0.6760	1.0000e-005	1.0000e-004	0.7060
Worker	1.1000e-003	7.7000e-004	9.8900e-003	3.0000e-005	3.5100e-003	2.0000e-005	3.5200e-003	9.3000e-004	2.0000e-005	9.5000e-004	0.0000	2.7022	2.7022	8.0000e-005	7.0000e-005	2.7263
Total	**1.1400e-003**	**2.2800e-003**	**0.0104**	**4.0000e-005**	**3.7300e-003**	**3.0000e-005**	**3.7500e-003**	**9.9000e-004**	**3.0000e-005**	**1.0200e-003**	**0.0000**	**3.3782**	**3.3782**	**9.0000e-005**	**1.7000e-004**	**3.4322**

3.10 P.1 Build A Building Frame - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.10 P.1 Build A Building Frame - 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	1.3000e-004	5.4400e-003	1.6800e-003	2.0000e-005	8.0000e-004	3.0000e-005	8.4000e-004	2.3000e-004	3.0000e-005	2.6000e-004	0.0000	2.3901	2.3901	5.0000e-005	3.5000e-004	2.4958
Worker	3.7200e-003	2.4700e-003	0.0332	1.0000e-004	0.0126	6.0000e-005	0.0126	3.3500e-003	5.0000e-005	3.4000e-003	0.0000	9.4609	9.4609	2.5000e-004	2.5000e-004	9.5413
Total	**3.8500e-003**	**7.9100e-003**	**0.0349**	**1.2000e-004**	**0.0134**	**9.0000e-005**	**0.0135**	**3.5800e-003**	**8.0000e-005**	**3.6600e-003**	**0.0000**	**11.8509**	**11.8509**	**3.0000e-004**	**6.0000e-004**	**12.0370**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.10 P.1 Build A Building Frame - 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	1.3000e-004	5.4400e-003	1.6800e-003	2.0000e-005	8.0000e-004	3.0000e-005	8.4000e-004	2.3000e-004	3.0000e-005	2.6000e-004	0.0000	2.3901	2.3901	5.0000e-005	3.5000e-004	2.4958
Worker	3.7200e-003	2.4700e-003	0.0332	1.0000e-004	0.0126	6.0000e-005	0.0126	3.3500e-003	5.0000e-005	3.4000e-003	0.0000	9.4609	9.4609	2.5000e-004	2.5000e-004	9.5413
Total	**3.8500e-003**	**7.9100e-003**	**0.0349**	**1.2000e-004**	**0.0134**	**9.0000e-005**	**0.0135**	**3.5800e-003**	**8.0000e-005**	**3.6600e-003**	**0.0000**	**11.8509**	**11.8509**	**3.0000e-004**	**6.0000e-004**	**12.0370**

3.11 P.1 Fitness Overall - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.3200e-003	0.0805	0.1034	1.7000e-004		3.3200e-003	3.3200e-003		3.1100e-003	3.1100e-003	0.0000	14.1900	14.1900	3.9500e-003	0.0000	14.2887
Total	**8.3200e-003**	**0.0805**	**0.1034**	**1.7000e-004**		**3.3200e-003**	**3.3200e-003**		**3.1100e-003**	**3.1100e-003**	**0.0000**	**14.1900**	**14.1900**	**3.9500e-003**	**0.0000**	**14.2887**

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

3.11 P.1 Fitness Overall - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.1600e-003	0.0398	0.0809	1.2000e-004		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004	0.0000	10.4301	10.4301	2.7700e-003	0.0000	10.4993
Total	**4.1600e-003**	**0.0398**	**0.0809**	**1.2000e-004**		**7.9000e-004**	**7.9000e-004**		**7.9000e-004**	**7.9000e-004**	**0.0000**	**10.4301**	**10.4301**	**2.7700e-003**	**0.0000**	**10.4993**

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

3.11 P.1 Fitness Overall - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.11 P.1 Fitness Overall - 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	0.0668	0.6528	0.8724	1.4200e-003		0.0252	0.0252		0.0236	0.0236	0.0000	120.2025	120.2025	0.0333	0.0000	121.0356
Total	**0.0668**	**0.6528**	**0.8724**	**1.4200e-003**		**0.0252**	**0.0252**		**0.0236**	**0.0236**	**0.0000**	**120.2025**	**120.2025**	**0.0333**	**0.0000**	**121.0356**

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

3.11 P.1 Fitness Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0338	0.3329	0.6839	1.0500e-003		6.0700e-003	6.0700e-003		6.0700e-003	6.0700e-003	0.0000	88.3536	88.3536	0.0233	0.0000	88.9372
Total	**0.0338**	**0.3329**	**0.6839**	**1.0500e-003**		**6.0700e-003**	**6.0700e-003**		**6.0700e-003**	**6.0700e-003**	**0.0000**	**88.3536**	**88.3536**	**0.0233**	**0.0000**	**88.9372**

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

3.11 P.1 Fitness Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.12 P.1 Fitness Build Found - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.12 P.1 Fitness Build Found - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	1.5000e-004	4.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0599	0.0599	0.0000	1.0000e-005	0.0628
Vendor	3.0000e-005	1.1400e-003	3.6000e-004	1.0000e-005	1.7000e-004	1.0000e-005	1.7000e-004	5.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.5070	0.5070	1.0000e-005	7.0000e-005	0.5295
Worker	1.0200e-003	7.1000e-004	9.1300e-003	3.0000e-005	3.2400e-003	2.0000e-005	3.2500e-003	8.6000e-004	1.0000e-005	8.8000e-004	0.0000	2.4943	2.4943	7.0000e-005	7.0000e-005	2.5166
Total	**1.0500e-003**	**2.0000e-003**	**9.5300e-003**	**4.0000e-005**	**3.4300e-003**	**3.0000e-005**	**3.4400e-003**	**9.1000e-004**	**2.0000e-005**	**9.4000e-004**	**0.0000**	**3.0613**	**3.0613**	**8.0000e-005**	**1.5000e-004**	**3.1089**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.12 P.1 Fitness Build Found - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	1.5000e-004	4.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0599	0.0599	0.0000	1.0000e-005	0.0628
Vendor	3.0000e-005	1.1400e-003	3.6000e-004	1.0000e-005	1.7000e-004	1.0000e-005	1.7000e-004	5.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.5070	0.5070	1.0000e-005	7.0000e-005	0.5295
Worker	1.0200e-003	7.1000e-004	9.1300e-003	3.0000e-005	3.2400e-003	2.0000e-005	3.2500e-003	8.6000e-004	1.0000e-005	8.8000e-004	0.0000	2.4943	2.4943	7.0000e-005	7.0000e-005	2.5166
Total	**1.0500e-003**	**2.0000e-003**	**9.5300e-003**	**4.0000e-005**	**3.4300e-003**	**3.0000e-005**	**3.4400e-003**	**9.1000e-004**	**2.0000e-005**	**9.4000e-004**	**0.0000**	**3.0613**	**3.0613**	**8.0000e-005**	**1.5000e-004**	**3.1089**

3.12 P.1 Fitness Build Found - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.12 P.1 Fitness Build Found - 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	1.6000e-004	5.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0659	0.0659	0.0000	1.0000e-005	0.0691
Vendor	3.0000e-005	1.2700e-003	3.9000e-004	1.0000e-005	1.9000e-004	1.0000e-005	2.0000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.5583	0.5583	1.0000e-005	8.0000e-005	0.5830
Worker	1.0700e-003	7.1000e-004	9.5400e-003	3.0000e-005	3.6200e-003	2.0000e-005	3.6300e-003	9.6000e-004	2.0000e-005	9.8000e-004	0.0000	2.7202	2.7202	7.0000e-005	7.0000e-005	2.7433
Total	**1.1000e-003**	**2.1400e-003**	**9.9800e-003**	**4.0000e-005**	**3.8300e-003**	**3.0000e-005**	**3.8500e-003**	**1.0200e-003**	**3.0000e-005**	**1.0500e-003**	**0.0000**	**3.3444**	**3.3444**	**8.0000e-005**	**1.6000e-004**	**3.3954**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.12 P.1 Fitness Build Found - 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	1.6000e-004	5.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0659	0.0659	0.0000	1.0000e-005	0.0691
Vendor	3.0000e-005	1.2700e-003	3.9000e-004	1.0000e-005	1.9000e-004	1.0000e-005	2.0000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.5583	0.5583	1.0000e-005	8.0000e-005	0.5830
Worker	1.0700e-003	7.1000e-004	9.5400e-003	3.0000e-005	3.6200e-003	2.0000e-005	3.6300e-003	9.6000e-004	2.0000e-005	9.8000e-004	0.0000	2.7202	2.7202	7.0000e-005	7.0000e-005	2.7433
Total	**1.1000e-003**	**2.1400e-003**	**9.9800e-003**	**4.0000e-005**	**3.8300e-003**	**3.0000e-005**	**3.8500e-003**	**1.0200e-003**	**3.0000e-005**	**1.0500e-003**	**0.0000**	**3.3444**	**3.3444**	**8.0000e-005**	**1.6000e-004**	**3.3954**

3.13 P.3 Build C Concrete Found - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.13 P.3 Build C Concrete Found - 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	4.3000e-004	0.0180	5.5800e-003	8.0000e-005	2.6700e-003	1.1000e-004	2.7700e-003	7.7000e-004	1.0000e-004	8.7000e-004	0.0000	7.9342	7.9342	1.7000e-004	1.1600e-003	8.2851
Worker	0.0106	7.0400e-003	0.0946	2.9000e-004	0.0359	1.7000e-004	0.0360	9.5400e-003	1.6000e-004	9.7000e-003	0.0000	26.9778	26.9778	7.2000e-004	7.1000e-004	27.2071
Total	**0.0110**	**0.0251**	**0.1002**	**3.7000e-004**	**0.0385**	**2.8000e-004**	**0.0388**	**0.0103**	**2.6000e-004**	**0.0106**	**0.0000**	**34.9120**	**34.9120**	**8.9000e-004**	**1.8700e-003**	**35.4922**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.13 P.3 Build C Concrete Found - 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	4.3000e-004	0.0180	5.5800e-003	8.0000e-005	2.6700e-003	1.1000e-004	2.7700e-003	7.7000e-004	1.0000e-004	8.7000e-004	0.0000	7.9342	7.9342	1.7000e-004	1.1600e-003	8.2851
Worker	0.0106	7.0400e-003	0.0946	2.9000e-004	0.0359	1.7000e-004	0.0360	9.5400e-003	1.6000e-004	9.7000e-003	0.0000	26.9778	26.9778	7.2000e-004	7.1000e-004	27.2071
Total	**0.0110**	**0.0251**	**0.1002**	**3.7000e-004**	**0.0385**	**2.8000e-004**	**0.0388**	**0.0103**	**2.6000e-004**	**0.0106**	**0.0000**	**34.9120**	**34.9120**	**8.9000e-004**	**1.8700e-003**	**35.4922**

3.14 P.1 Fitness Build Frame - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.14 P.1 Fitness Build Frame - 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	1.0000e-004	4.1900e-003	1.2900e-003	2.0000e-005	6.2000e-004	2.0000e-005	6.4000e-004	1.8000e-004	2.0000e-005	2.0000e-004	0.0000	1.8415	1.8415	4.0000e-005	2.7000e-004	1.9230
Worker	2.8600e-003	1.9000e-003	0.0256	8.0000e-005	9.6900e-003	5.0000e-005	9.7400e-003	2.5800e-003	4.0000e-005	2.6200e-003	0.0000	7.2895	7.2895	1.9000e-004	1.9000e-004	7.3515
Total	**2.9600e-003**	**6.0900e-003**	**0.0269**	**1.0000e-004**	**0.0103**	**7.0000e-005**	**0.0104**	**2.7600e-003**	**6.0000e-005**	**2.8200e-003**	**0.0000**	**9.1310**	**9.1310**	**2.3000e-004**	**4.6000e-004**	**9.2744**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.14 P.1 Fitness Build Frame - 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	1.0000e-004	4.1900e-003	1.2900e-003	2.0000e-005	6.2000e-004	2.0000e-005	6.4000e-004	1.8000e-004	2.0000e-005	2.0000e-004	0.0000	1.8415	1.8415	4.0000e-005	2.7000e-004	1.9230
Worker	2.8600e-003	1.9000e-003	0.0256	8.0000e-005	9.6900e-003	5.0000e-005	9.7400e-003	2.5800e-003	4.0000e-005	2.6200e-003	0.0000	7.2895	7.2895	1.9000e-004	1.9000e-004	7.3515
Total	**2.9600e-003**	**6.0900e-003**	**0.0269**	**1.0000e-004**	**0.0103**	**7.0000e-005**	**0.0104**	**2.7600e-003**	**6.0000e-005**	**2.8200e-003**	**0.0000**	**9.1310**	**9.1310**	**2.3000e-004**	**4.6000e-004**	**9.2744**

3.15 P.2 Build B Overall - 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	0.0777	0.7516	0.8890	1.6000e-003		0.0302	0.0302		0.0282	0.0282	0.0000	136.5454	136.5454	0.0389	0.0000	137.5178
Total	**0.0777**	**0.7516**	**0.8890**	**1.6000e-003**		**0.0302**	**0.0302**		**0.0282**	**0.0282**	**0.0000**	**136.5454**	**136.5454**	**0.0389**	**0.0000**	**137.5178**

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

3.15 P.2 Build B Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0360	0.3282	0.8168	1.3400e-003		6.2900e-003	6.2900e-003		6.2900e-003	6.2900e-003	0.0000	113.4120	113.4120	0.0316	0.0000	114.2015
Total	**0.0360**	**0.3282**	**0.8168**	**1.3400e-003**		**6.2900e-003**	**6.2900e-003**		**6.2900e-003**	**6.2900e-003**	**0.0000**	**113.4120**	**113.4120**	**0.0316**	**0.0000**	**114.2015**

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

3.15 P.2 Build B Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.15 P.2 Build B Overall - 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	0.0397	0.3868	0.4815	8.8000e-004		0.0146	0.0146		0.0136	0.0136	0.0000	74.5824	74.5824	0.0212	0.0000	75.1122
Total	**0.0397**	**0.3868**	**0.4815**	**8.8000e-004**		**0.0146**	**0.0146**		**0.0136**	**0.0136**	**0.0000**	**74.5824**	**74.5824**	**0.0212**	**0.0000**	**75.1122**

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

3.15 P.2 Build B Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0190	0.1772	0.4456	7.3000e-004		3.1400e-003	3.1400e-003		3.1400e-003	3.1400e-003	0.0000	61.9465	61.9465	0.0172	0.0000	62.3763
Total	**0.0190**	**0.1772**	**0.4456**	**7.3000e-004**		**3.1400e-003**	**3.1400e-003**		**3.1400e-003**	**3.1400e-003**	**0.0000**	**61.9465**	**61.9465**	**0.0172**	**0.0000**	**62.3763**

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

3.15 P.2 Build B Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.16 P.2 Build B Concrete Found - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.16 P.2 Build B Concrete Found - 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	6.7000e-004	0.0279	8.6100e-003	1.3000e-004	4.1200e-003	1.7000e-004	4.2800e-003	1.1900e-003	1.6000e-004	1.3500e-003	0.0000	12.2539	12.2539	2.6000e-004	1.8000e-003	12.7959
Worker	0.0117	7.7900e-003	0.1047	3.2000e-004	0.0397	1.9000e-004	0.0399	0.0106	1.7000e-004	0.0107	0.0000	29.8501	29.8501	7.9000e-004	7.8000e-004	30.1037
Total	**0.0124**	**0.0357**	**0.1133**	**4.5000e-004**	**0.0438**	**3.6000e-004**	**0.0442**	**0.0118**	**3.3000e-004**	**0.0121**	**0.0000**	**42.1040**	**42.1040**	**1.0500e-003**	**2.5800e-003**	**42.8996**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.16 P.2 Build B Concrete Found - 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	6.7000e-004	0.0279	8.6100e-003	1.3000e-004	4.1200e-003	1.7000e-004	4.2800e-003	1.1900e-003	1.6000e-004	1.3500e-003	0.0000	12.2539	12.2539	2.6000e-004	1.8000e-003	12.7959
Worker	0.0117	7.7900e-003	0.1047	3.2000e-004	0.0397	1.9000e-004	0.0399	0.0106	1.7000e-004	0.0107	0.0000	29.8501	29.8501	7.9000e-004	7.8000e-004	30.1037
Total	**0.0124**	**0.0357**	**0.1133**	**4.5000e-004**	**0.0438**	**3.6000e-004**	**0.0442**	**0.0118**	**3.3000e-004**	**0.0121**	**0.0000**	**42.1040**	**42.1040**	**1.0500e-003**	**2.5800e-003**	**42.8996**

3.17 P.3 Build C Build Frame - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.17 P.3 Build C Build Frame - 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	1.6000e-004	6.8600e-003	2.1200e-003	3.0000e-005	1.0100e-003	4.0000e-005	1.0500e-003	2.9000e-004	4.0000e-005	3.3000e-004	0.0000	3.0170	3.0170	6.0000e-005	4.4000e-004	3.1504
Worker	4.6900e-003	3.1200e-003	0.0419	1.3000e-004	0.0159	8.0000e-005	0.0160	4.2200e-003	7.0000e-005	4.2900e-003	0.0000	11.9424	11.9424	3.2000e-004	3.1000e-004	12.0439
Total	**4.8500e-003**	**9.9800e-003**	**0.0440**	**1.6000e-004**	**0.0169**	**1.2000e-004**	**0.0170**	**4.5100e-003**	**1.1000e-004**	**4.6200e-003**	**0.0000**	**14.9594**	**14.9594**	**3.8000e-004**	**7.5000e-004**	**15.1943**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.17 P.3 Build C Build Frame - 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	1.6000e-004	6.8600e-003	2.1200e-003	3.0000e-005	1.0100e-003	4.0000e-005	1.0500e-003	2.9000e-004	4.0000e-005	3.3000e-004	0.0000	3.0170	3.0170	6.0000e-005	4.4000e-004	3.1504
Worker	4.6900e-003	3.1200e-003	0.0419	1.3000e-004	0.0159	8.0000e-005	0.0160	4.2200e-003	7.0000e-005	4.2900e-003	0.0000	11.9424	11.9424	3.2000e-004	3.1000e-004	12.0439
Total	**4.8500e-003**	**9.9800e-003**	**0.0440**	**1.6000e-004**	**0.0169**	**1.2000e-004**	**0.0170**	**4.5100e-003**	**1.1000e-004**	**4.6200e-003**	**0.0000**	**14.9594**	**14.9594**	**3.8000e-004**	**7.5000e-004**	**15.1943**

3.18 P.2 Build B Build Frame - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.18 P.2 Build B Build Frame - 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	1.1000e-004	4.5400e-003	1.4000e-003	2.0000e-005	6.7000e-004	3.0000e-005	7.0000e-004	1.9000e-004	3.0000e-005	2.2000e-004	0.0000	1.9982	1.9982	4.0000e-005	2.9000e-004	2.0866
Worker	2.0900e-003	1.3900e-003	0.0187	6.0000e-005	7.0800e-003	3.0000e-005	7.1100e-003	1.8800e-003	3.0000e-005	1.9100e-003	0.0000	5.3240	5.3240	1.4000e-004	1.4000e-004	5.3692
Total	**2.2000e-003**	**5.9300e-003**	**0.0201**	**8.0000e-005**	**7.7500e-003**	**6.0000e-005**	**7.8100e-003**	**2.0700e-003**	**6.0000e-005**	**2.1300e-003**	**0.0000**	**7.3222**	**7.3222**	**1.8000e-004**	**4.3000e-004**	**7.4558**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.18 P.2 Build B Build Frame - 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	1.1000e-004	4.5400e-003	1.4000e-003	2.0000e-005	6.7000e-004	3.0000e-005	7.0000e-004	1.9000e-004	3.0000e-005	2.2000e-004	0.0000	1.9982	1.9982	4.0000e-005	2.9000e-004	2.0866
Worker	2.0900e-003	1.3900e-003	0.0187	6.0000e-005	7.0800e-003	3.0000e-005	7.1100e-003	1.8800e-003	3.0000e-005	1.9100e-003	0.0000	5.3240	5.3240	1.4000e-004	1.4000e-004	5.3692
Total	**2.2000e-003**	**5.9300e-003**	**0.0201**	**8.0000e-005**	**7.7500e-003**	**6.0000e-005**	**7.8100e-003**	**2.0700e-003**	**6.0000e-005**	**2.1300e-003**	**0.0000**	**7.3222**	**7.3222**	**1.8000e-004**	**4.3000e-004**	**7.4558**

3.19 P.3 Meeting Hall Overall - 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	6.4400e-003	0.0642	0.0747	1.4000e-004		2.5500e-003	2.5500e-003		2.3800e-003	2.3800e-003	0.0000	11.9160	11.9160	3.5300e-003	0.0000	12.0043
Total	**6.4400e-003**	**0.0642**	**0.0747**	**1.4000e-004**		**2.5500e-003**	**2.5500e-003**		**2.3800e-003**	**2.3800e-003**	**0.0000**	**11.9160**	**11.9160**	**3.5300e-003**	**0.0000**	**12.0043**

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

3.19 P.3 Meeting Hall Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.9500e-003	0.0312	0.0746	1.2000e-004		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004	0.0000	10.4642	10.4642	3.0700e-003	0.0000	10.5411
Total	**2.9500e-003**	**0.0312**	**0.0746**	**1.2000e-004**		**4.6000e-004**	**4.6000e-004**		**4.6000e-004**	**4.6000e-004**	**0.0000**	**10.4642**	**10.4642**	**3.0700e-003**	**0.0000**	**10.5411**

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

3.19 P.3 Meeting Hall Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.19 P.3 Meeting Hall Overall - 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	0.0648	0.6464	0.7945	1.4900e-003		0.0243	0.0243		0.0226	0.0226	0.0000	127.8879	127.8879	0.0378	0.0000	128.8332
Total	**0.0648**	**0.6464**	**0.7945**	**1.4900e-003**		**0.0243**	**0.0243**		**0.0226**	**0.0226**	**0.0000**	**127.8879**	**127.8879**	**0.0378**	**0.0000**	**128.8332**

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

3.19 P.3 Meeting Hall Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0308	0.3327	0.8004	1.3100e-003		4.6100e-003	4.6100e-003		4.6100e-003	4.6100e-003	0.0000	112.3051	112.3051	0.0329	0.0000	113.1284
Total	**0.0308**	**0.3327**	**0.8004**	**1.3100e-003**		**4.6100e-003**	**4.6100e-003**		**4.6100e-003**	**4.6100e-003**	**0.0000**	**112.3051**	**112.3051**	**0.0329**	**0.0000**	**113.1284**

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

3.19 P.3 Meeting Hall Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.20 P.3 Meeting Hall Concrete Found - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.20 P.3 Meeting Hall Concrete Found - 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	3.0000e-004	0.0127	3.8800e-003	6.0000e-005	1.8800e-003	8.0000e-005	1.9600e-003	5.4000e-004	7.0000e-005	6.2000e-004	0.0000	5.5079	5.5079	1.2000e-004	8.1000e-004	5.7511
Worker	1.5500e-003	9.9000e-004	0.0138	4.0000e-005	5.5700e-003	3.0000e-005	5.5900e-003	1.4800e-003	2.0000e-005	1.5000e-003	0.0000	4.0893	4.0893	1.0000e-004	1.0000e-004	4.1226
Total	**1.8500e-003**	**0.0137**	**0.0177**	**1.0000e-004**	**7.4500e-003**	**1.1000e-004**	**7.5500e-003**	**2.0200e-003**	**9.0000e-005**	**2.1200e-003**	**0.0000**	**9.5972**	**9.5972**	**2.2000e-004**	**9.1000e-004**	**9.8736**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.20 P.3 Meeting Hall Concrete Found - 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	3.0000e-004	0.0127	3.8800e-003	6.0000e-005	1.8800e-003	8.0000e-005	1.9600e-003	5.4000e-004	7.0000e-005	6.2000e-004	0.0000	5.5079	5.5079	1.2000e-004	8.1000e-004	5.7511
Worker	1.5500e-003	9.9000e-004	0.0138	4.0000e-005	5.5700e-003	3.0000e-005	5.5900e-003	1.4800e-003	2.0000e-005	1.5000e-003	0.0000	4.0893	4.0893	1.0000e-004	1.0000e-004	4.1226
Total	**1.8500e-003**	**0.0137**	**0.0177**	**1.0000e-004**	**7.4500e-003**	**1.1000e-004**	**7.5500e-003**	**2.0200e-003**	**9.0000e-005**	**2.1200e-003**	**0.0000**	**9.5972**	**9.5972**	**2.2000e-004**	**9.1000e-004**	**9.8736**

3.21 P.3 Meeting Hall Build Frame - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.21 P.3 Meeting Hall Build Frame - 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	6.0000e-005	2.4000e-003	7.3000e-004	1.0000e-005	3.6000e-004	1.0000e-005	3.7000e-004	1.0000e-004	1.0000e-005	1.2000e-004	0.0000	1.0400	1.0400	2.0000e-005	1.5000e-004	1.0859
Worker	5.1000e-004	3.2000e-004	4.5100e-003	1.0000e-005	1.8200e-003	1.0000e-005	1.8300e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.3369	1.3369	3.0000e-005	3.0000e-005	1.3478
Total	**5.7000e-004**	**2.7200e-003**	**5.2400e-003**	**2.0000e-005**	**2.1800e-003**	**2.0000e-005**	**2.2000e-003**	**5.8000e-004**	**2.0000e-005**	**6.1000e-004**	**0.0000**	**2.3768**	**2.3768**	**5.0000e-005**	**1.8000e-004**	**2.4336**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.21 P.3 Meeting Hall Build Frame - 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	6.0000e-005	2.4000e-003	7.3000e-004	1.0000e-005	3.6000e-004	1.0000e-005	3.7000e-004	1.0000e-004	1.0000e-005	1.2000e-004	0.0000	1.0400	1.0400	2.0000e-005	1.5000e-004	1.0859
Worker	5.1000e-004	3.2000e-004	4.5100e-003	1.0000e-005	1.8200e-003	1.0000e-005	1.8300e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.3369	1.3369	3.0000e-005	3.0000e-005	1.3478
Total	**5.7000e-004**	**2.7200e-003**	**5.2400e-003**	**2.0000e-005**	**2.1800e-003**	**2.0000e-005**	**2.2000e-003**	**5.8000e-004**	**2.0000e-005**	**6.1000e-004**	**0.0000**	**2.3768**	**2.3768**	**5.0000e-005**	**1.8000e-004**	**2.4336**

3.22 P.1 Build A Building Exterior - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	7.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.6000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.22 P.1 Build A Building Exterior - 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	1.1000e-004	4.5400e-003	1.4000e-003	2.0000e-005	6.7000e-004	3.0000e-005	7.0000e-004	1.9000e-004	3.0000e-005	2.2000e-004	0.0000	1.9982	1.9982	4.0000e-005	2.9000e-004	2.0866
Worker	3.1900e-003	2.1200e-003	0.0285	9.0000e-005	0.0108	5.0000e-005	0.0108	2.8700e-003	5.0000e-005	2.9200e-003	0.0000	8.1127	8.1127	2.2000e-004	2.1000e-004	8.1817
Total	**3.3000e-003**	**6.6600e-003**	**0.0299**	**1.1000e-004**	**0.0115**	**8.0000e-005**	**0.0115**	**3.0600e-003**	**8.0000e-005**	**3.1400e-003**	**0.0000**	**10.1110**	**10.1110**	**2.6000e-004**	**5.0000e-004**	**10.2683**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	7.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.6000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.22 P.1 Build A Building Exterior - 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	1.1000e-004	4.5400e-003	1.4000e-003	2.0000e-005	6.7000e-004	3.0000e-005	7.0000e-004	1.9000e-004	3.0000e-005	2.2000e-004	0.0000	1.9982	1.9982	4.0000e-005	2.9000e-004	2.0866
Worker	3.1900e-003	2.1200e-003	0.0285	9.0000e-005	0.0108	5.0000e-005	0.0108	2.8700e-003	5.0000e-005	2.9200e-003	0.0000	8.1127	8.1127	2.2000e-004	2.1000e-004	8.1817
Total	**3.3000e-003**	**6.6600e-003**	**0.0299**	**1.1000e-004**	**0.0115**	**8.0000e-005**	**0.0115**	**3.0600e-003**	**8.0000e-005**	**3.1400e-003**	**0.0000**	**10.1110**	**10.1110**	**2.6000e-004**	**5.0000e-004**	**10.2683**

3.23 P.1 Fitness Building Exterior - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	7.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.6000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.23 P.1 Fitness Building Exterior - 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	6.0000e-005	2.4700e-003	7.6000e-004	1.0000e-005	3.7000e-004	1.0000e-005	3.8000e-004	1.1000e-004	1.0000e-005	1.2000e-004	0.0000	1.0873	1.0873	2.0000e-005	1.6000e-004	1.1354
Worker	1.7300e-003	1.1500e-003	0.0155	5.0000e-005	5.8700e-003	3.0000e-005	5.9000e-003	1.5600e-003	3.0000e-005	1.5900e-003	0.0000	4.4143	4.4143	1.2000e-004	1.2000e-004	4.4518
Total	**1.7900e-003**	**3.6200e-003**	**0.0162**	**6.0000e-005**	**6.2400e-003**	**4.0000e-005**	**6.2800e-003**	**1.6700e-003**	**4.0000e-005**	**1.7100e-003**	**0.0000**	**5.5016**	**5.5016**	**1.4000e-004**	**2.8000e-004**	**5.5872**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	7.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.6000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.23 P.1 Fitness Building Exterior - 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	6.0000e-005	2.4700e-003	7.6000e-004	1.0000e-005	3.7000e-004	1.0000e-005	3.8000e-004	1.1000e-004	1.0000e-005	1.2000e-004	0.0000	1.0873	1.0873	2.0000e-005	1.6000e-004	1.1354
Worker	1.7300e-003	1.1500e-003	0.0155	5.0000e-005	5.8700e-003	3.0000e-005	5.9000e-003	1.5600e-003	3.0000e-005	1.5900e-003	0.0000	4.4143	4.4143	1.2000e-004	1.2000e-004	4.4518
Total	**1.7900e-003**	**3.6200e-003**	**0.0162**	**6.0000e-005**	**6.2400e-003**	**4.0000e-005**	**6.2800e-003**	**1.6700e-003**	**4.0000e-005**	**1.7100e-003**	**0.0000**	**5.5016**	**5.5016**	**1.4000e-004**	**2.8000e-004**	**5.5872**

3.24 P.3 Build C Building Exterior - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	4.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.3000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.24 P.3 Build C Building Exterior - 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	6.0000e-005	2.6700e-003	8.3000e-004	1.0000e-005	3.9000e-004	2.0000e-005	4.1000e-004	1.1000e-004	2.0000e-005	1.3000e-004	0.0000	1.1754	1.1754	2.0000e-005	1.7000e-004	1.2274
Worker	2.0200e-003	1.3400e-003	0.0180	5.0000e-005	6.8200e-003	3.0000e-005	6.8500e-003	1.8100e-003	3.0000e-005	1.8400e-003	0.0000	5.1301	5.1301	1.4000e-004	1.3000e-004	5.1737
Total	**2.0800e-003**	**4.0100e-003**	**0.0188**	**6.0000e-005**	**7.2100e-003**	**5.0000e-005**	**7.2600e-003**	**1.9200e-003**	**5.0000e-005**	**1.9700e-003**	**0.0000**	**6.3055**	**6.3055**	**1.6000e-004**	**3.0000e-004**	**6.4011**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	4.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.3000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.24 P.3 Build C Building Exterior - 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	6.0000e-005	2.6700e-003	8.3000e-004	1.0000e-005	3.9000e-004	2.0000e-005	4.1000e-004	1.1000e-004	2.0000e-005	1.3000e-004	0.0000	1.1754	1.1754	2.0000e-005	1.7000e-004	1.2274
Worker	2.0200e-003	1.3400e-003	0.0180	5.0000e-005	6.8200e-003	3.0000e-005	6.8500e-003	1.8100e-003	3.0000e-005	1.8400e-003	0.0000	5.1301	5.1301	1.4000e-004	1.3000e-004	5.1737
Total	**2.0800e-003**	**4.0100e-003**	**0.0188**	**6.0000e-005**	**7.2100e-003**	**5.0000e-005**	**7.2600e-003**	**1.9200e-003**	**5.0000e-005**	**1.9700e-003**	**0.0000**	**6.3055**	**6.3055**	**1.6000e-004**	**3.0000e-004**	**6.4011**

3.24 P.3 Build C Building Exterior - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	3.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.3000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.24 P.3 Build C Building Exterior - 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	5.0000e-005	2.0600e-003	6.3000e-004	1.0000e-005	3.1000e-004	1.0000e-005	3.2000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	0.8955	0.8955	2.0000e-005	1.3000e-004	0.9351
Worker	1.4700e-003	9.4000e-004	0.0131	4.0000e-005	5.2900e-003	2.0000e-005	5.3100e-003	1.4100e-003	2.0000e-005	1.4300e-003	0.0000	3.8825	3.8825	1.0000e-004	1.0000e-004	3.9141
Total	**1.5200e-003**	**3.0000e-003**	**0.0137**	**5.0000e-005**	**5.6000e-003**	**3.0000e-005**	**5.6300e-003**	**1.5000e-003**	**3.0000e-005**	**1.5300e-003**	**0.0000**	**4.7780**	**4.7780**	**1.2000e-004**	**2.3000e-004**	**4.8491**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	3.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.3000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.24 P.3 Build C Building Exterior - 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	5.0000e-005	2.0600e-003	6.3000e-004	1.0000e-005	3.1000e-004	1.0000e-005	3.2000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	0.8955	0.8955	2.0000e-005	1.3000e-004	0.9351
Worker	1.4700e-003	9.4000e-004	0.0131	4.0000e-005	5.2900e-003	2.0000e-005	5.3100e-003	1.4100e-003	2.0000e-005	1.4300e-003	0.0000	3.8825	3.8825	1.0000e-004	1.0000e-004	3.9141
Total	**1.5200e-003**	**3.0000e-003**	**0.0137**	**5.0000e-005**	**5.6000e-003**	**3.0000e-005**	**5.6300e-003**	**1.5000e-003**	**3.0000e-005**	**1.5300e-003**	**0.0000**	**4.7780**	**4.7780**	**1.2000e-004**	**2.3000e-004**	**4.8491**

3.25 P.2 Build B Build Exterior - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	2.2000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.2000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.25 P.2 Build B Build Exterior - 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	3.0000e-005	1.3400e-003	4.1000e-004	1.0000e-005	2.0000e-004	1.0000e-005	2.1000e-004	6.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.5877	0.5877	1.0000e-005	9.0000e-005	0.6137
Worker	5.5000e-004	3.6000e-004	4.8600e-003	1.0000e-005	1.8400e-003	1.0000e-005	1.8500e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.3869	1.3869	4.0000e-005	4.0000e-005	1.3987
Total	**5.8000e-004**	**1.7000e-003**	**5.2700e-003**	**2.0000e-005**	**2.0400e-003**	**2.0000e-005**	**2.0600e-003**	**5.5000e-004**	**2.0000e-005**	**5.6000e-004**	**0.0000**	**1.9746**	**1.9746**	**5.0000e-005**	**1.3000e-004**	**2.0124**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	2.2000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.2000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.25 P.2 Build B Build Exterior - 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	3.0000e-005	1.3400e-003	4.1000e-004	1.0000e-005	2.0000e-004	1.0000e-005	2.1000e-004	6.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.5877	0.5877	1.0000e-005	9.0000e-005	0.6137
Worker	5.5000e-004	3.6000e-004	4.8600e-003	1.0000e-005	1.8400e-003	1.0000e-005	1.8500e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.3869	1.3869	4.0000e-005	4.0000e-005	1.3987
Total	**5.8000e-004**	**1.7000e-003**	**5.2700e-003**	**2.0000e-005**	**2.0400e-003**	**2.0000e-005**	**2.0600e-003**	**5.5000e-004**	**2.0000e-005**	**5.6000e-004**	**0.0000**	**1.9746**	**1.9746**	**5.0000e-005**	**1.3000e-004**	**2.0124**

3.25 P.2 Build B Build Exterior - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	5.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**5.4000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.25 P.2 Build B Build Exterior - 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	8.0000e-005	3.1900e-003	9.8000e-004	1.0000e-005	4.7000e-004	2.0000e-005	4.9000e-004	1.4000e-004	2.0000e-005	1.6000e-004	0.0000	1.3866	1.3866	3.0000e-005	2.0000e-004	1.4478
Worker	1.2300e-003	7.8000e-004	0.0110	3.0000e-005	4.4300e-003	2.0000e-005	4.4500e-003	1.1800e-003	2.0000e-005	1.2000e-003	0.0000	3.2504	3.2504	8.0000e-005	8.0000e-005	3.2769
Total	**1.3100e-003**	**3.9700e-003**	**0.0120**	**4.0000e-005**	**4.9000e-003**	**4.0000e-005**	**4.9400e-003**	**1.3200e-003**	**4.0000e-005**	**1.3600e-003**	**0.0000**	**4.6371**	**4.6371**	**1.1000e-004**	**2.8000e-004**	**4.7247**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	5.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**5.4000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.25 P.2 Build B Build Exterior - 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	8.0000e-005	3.1900e-003	9.8000e-004	1.0000e-005	4.7000e-004	2.0000e-005	4.9000e-004	1.4000e-004	2.0000e-005	1.6000e-004	0.0000	1.3866	1.3866	3.0000e-005	2.0000e-004	1.4478
Worker	1.2300e-003	7.8000e-004	0.0110	3.0000e-005	4.4300e-003	2.0000e-005	4.4500e-003	1.1800e-003	2.0000e-005	1.2000e-003	0.0000	3.2504	3.2504	8.0000e-005	8.0000e-005	3.2769
Total	**1.3100e-003**	**3.9700e-003**	**0.0120**	**4.0000e-005**	**4.9000e-003**	**4.0000e-005**	**4.9400e-003**	**1.3200e-003**	**4.0000e-005**	**1.3600e-003**	**0.0000**	**4.6371**	**4.6371**	**1.1000e-004**	**2.8000e-004**	**4.7247**

3.26 P.3 Meeting Hall Build Exterior - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	7.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.6000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.26 P.3 Meeting Hall Build Exterior - 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	8.0000e-005	3.1900e-003	9.8000e-004	1.0000e-005	4.7000e-004	2.0000e-005	4.9000e-004	1.4000e-004	2.0000e-005	1.6000e-004	0.0000	1.3866	1.3866	3.0000e-005	2.0000e-004	1.4478
Worker	8.7000e-004	5.6000e-004	7.7800e-003	2.0000e-005	3.1400e-003	1.0000e-005	3.1500e-003	8.4000e-004	1.0000e-005	8.5000e-004	0.0000	2.3068	2.3068	6.0000e-005	6.0000e-005	2.3256
Total	**9.5000e-004**	**3.7500e-003**	**8.7600e-003**	**3.0000e-005**	**3.6100e-003**	**3.0000e-005**	**3.6400e-003**	**9.8000e-004**	**3.0000e-005**	**1.0100e-003**	**0.0000**	**3.6934**	**3.6934**	**9.0000e-005**	**2.6000e-004**	**3.7734**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	7.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.6000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.26 P.3 Meeting Hall Build Exterior - 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	8.0000e-005	3.1900e-003	9.8000e-004	1.0000e-005	4.7000e-004	2.0000e-005	4.9000e-004	1.4000e-004	2.0000e-005	1.6000e-004	0.0000	1.3866	1.3866	3.0000e-005	2.0000e-004	1.4478
Worker	8.7000e-004	5.6000e-004	7.7800e-003	2.0000e-005	3.1400e-003	1.0000e-005	3.1500e-003	8.4000e-004	1.0000e-005	8.5000e-004	0.0000	2.3068	2.3068	6.0000e-005	6.0000e-005	2.3256
Total	**9.5000e-004**	**3.7500e-003**	**8.7600e-003**	**3.0000e-005**	**3.6100e-003**	**3.0000e-005**	**3.6400e-003**	**9.8000e-004**	**3.0000e-005**	**1.0100e-003**	**0.0000**	**3.6934**	**3.6934**	**9.0000e-005**	**2.6000e-004**	**3.7734**

3.27 P.1 Fitness Interiors - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.8151**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.27 P.1 Fitness Interiors - 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	9.0000e-005	3.6500e-003	1.1300e-003	2.0000e-005	5.4000e-004	2.0000e-005	5.6000e-004	1.6000e-004	2.0000e-005	1.8000e-004	0.0000	1.6064	1.6064	3.0000e-005	2.4000e-004	1.6775
Worker	2.3600e-003	1.5600e-003	0.0210	6.0000e-005	7.9700e-003	4.0000e-005	8.0000e-003	2.1200e-003	3.0000e-005	2.1500e-003	0.0000	5.9921	5.9921	1.6000e-004	1.6000e-004	6.0430
Total	**2.4500e-003**	**5.2100e-003**	**0.0222**	**8.0000e-005**	**8.5100e-003**	**6.0000e-005**	**8.5600e-003**	**2.2800e-003**	**5.0000e-005**	**2.3300e-003**	**0.0000**	**7.5985**	**7.5985**	**1.9000e-004**	**4.0000e-004**	**7.7205**

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	0.8151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.8151**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.27 P.1 Fitness Interiors - 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	9.0000e-005	3.6500e-003	1.1300e-003	2.0000e-005	5.4000e-004	2.0000e-005	5.6000e-004	1.6000e-004	2.0000e-005	1.8000e-004	0.0000	1.6064	1.6064	3.0000e-005	2.4000e-004	1.6775
Worker	2.3600e-003	1.5600e-003	0.0210	6.0000e-005	7.9700e-003	4.0000e-005	8.0000e-003	2.1200e-003	3.0000e-005	2.1500e-003	0.0000	5.9921	5.9921	1.6000e-004	1.6000e-004	6.0430
Total	**2.4500e-003**	**5.2100e-003**	**0.0222**	**8.0000e-005**	**8.5100e-003**	**6.0000e-005**	**8.5600e-003**	**2.2800e-003**	**5.0000e-005**	**2.3300e-003**	**0.0000**	**7.5985**	**7.5985**	**1.9000e-004**	**4.0000e-004**	**7.7205**

3.28 P.1 Build A Interiors - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.8151**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

3.28 P.1 Build A Interiors - 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	2.4000e-004	9.9800e-003	3.0800e-003	5.0000e-005	1.4700e-003	6.0000e-005	1.5300e-003	4.3000e-004	6.0000e-005	4.8000e-004	0.0000	4.3883	4.3883	9.0000e-005	6.4000e-004	4.5824
Worker	0.0131	8.7200e-003	0.1172	3.6000e-004	0.0444	2.1000e-004	0.0446	0.0118	1.9000e-004	0.0120	0.0000	33.4053	33.4053	8.9000e-004	8.8000e-004	33.6892
Total	**0.0134**	**0.0187**	**0.1203**	**4.1000e-004**	**0.0459**	**2.7000e-004**	**0.0462**	**0.0122**	**2.5000e-004**	**0.0125**	**0.0000**	**37.7936**	**37.7936**	**9.8000e-004**	**1.5200e-003**	**38.2716**

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	0.8151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.8151**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.28 P.1 Build A Interiors - 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	2.4000e-004	9.9800e-003	3.0800e-003	5.0000e-005	1.4700e-003	6.0000e-005	1.5300e-003	4.3000e-004	6.0000e-005	4.8000e-004	0.0000	4.3883	4.3883	9.0000e-005	6.4000e-004	4.5824
Worker	0.0131	8.7200e-003	0.1172	3.6000e-004	0.0444	2.1000e-004	0.0446	0.0118	1.9000e-004	0.0120	0.0000	33.4053	33.4053	8.9000e-004	8.8000e-004	33.6892
Total	**0.0134**	**0.0187**	**0.1203**	**4.1000e-004**	**0.0459**	**2.7000e-004**	**0.0462**	**0.0122**	**2.5000e-004**	**0.0125**	**0.0000**	**37.7936**	**37.7936**	**9.8000e-004**	**1.5200e-003**	**38.2716**

3.29 P.3 Build C Interiors - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.8151**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.29 P.3 Build C Interiors - 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	2.7000e-004	0.0115	3.5200e-003	5.0000e-005	1.7100e-003	7.0000e-005	1.7800e-003	4.9000e-004	7.0000e-005	5.6000e-004	0.0000	5.0072	5.0072	1.1000e-004	7.3000e-004	5.2283
Worker	0.0162	0.0103	0.1444	4.5000e-004	0.0583	2.6000e-004	0.0585	0.0155	2.4000e-004	0.0157	0.0000	42.7857	42.7857	1.0600e-003	1.0800e-003	43.1342
Total	**0.0165**	**0.0219**	**0.1479**	**5.0000e-004**	**0.0600**	**3.3000e-004**	**0.0603**	**0.0160**	**3.1000e-004**	**0.0163**	**0.0000**	**47.7929**	**47.7929**	**1.1700e-003**	**1.8100e-003**	**48.3624**

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	0.8151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.8151**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.29 P.3 Build C Interiors - 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	2.7000e-004	0.0115	3.5200e-003	5.0000e-005	1.7100e-003	7.0000e-005	1.7800e-003	4.9000e-004	7.0000e-005	5.6000e-004	0.0000	5.0072	5.0072	1.1000e-004	7.3000e-004	5.2283
Worker	0.0162	0.0103	0.1444	4.5000e-004	0.0583	2.6000e-004	0.0585	0.0155	2.4000e-004	0.0157	0.0000	42.7857	42.7857	1.0600e-003	1.0800e-003	43.1342
Total	**0.0165**	**0.0219**	**0.1479**	**5.0000e-004**	**0.0600**	**3.3000e-004**	**0.0603**	**0.0160**	**3.1000e-004**	**0.0163**	**0.0000**	**47.7929**	**47.7929**	**1.1700e-003**	**1.8100e-003**	**48.3624**

3.30 P.2 Build B Interiors - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.8151**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.30 P.2 Build B Interiors - 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	2.0000e-004	8.4300e-003	2.5800e-003	4.0000e-005	1.2500e-003	5.0000e-005	1.3000e-003	3.6000e-004	5.0000e-005	4.1000e-004	0.0000	3.6591	3.6591	8.0000e-005	5.4000e-004	3.8206
Worker	8.6100e-003	5.4700e-003	0.0766	2.4000e-004	0.0309	1.4000e-004	0.0310	8.2200e-003	1.3000e-004	8.3400e-003	0.0000	22.6889	22.6889	5.6000e-004	5.7000e-004	22.8737
Total	**8.8100e-003**	**0.0139**	**0.0791**	**2.8000e-004**	**0.0321**	**1.9000e-004**	**0.0323**	**8.5800e-003**	**1.8000e-004**	**8.7500e-003**	**0.0000**	**26.3480**	**26.3480**	**6.4000e-004**	**1.1100e-003**	**26.6944**

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	0.8151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.8151**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.30 P.2 Build B Interiors - 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	2.0000e-004	8.4300e-003	2.5800e-003	4.0000e-005	1.2500e-003	5.0000e-005	1.3000e-003	3.6000e-004	5.0000e-005	4.1000e-004	0.0000	3.6591	3.6591	8.0000e-005	5.4000e-004	3.8206
Worker	8.6100e-003	5.4700e-003	0.0766	2.4000e-004	0.0309	1.4000e-004	0.0310	8.2200e-003	1.3000e-004	8.3400e-003	0.0000	22.6889	22.6889	5.6000e-004	5.7000e-004	22.8737
Total	**8.8100e-003**	**0.0139**	**0.0791**	**2.8000e-004**	**0.0321**	**1.9000e-004**	**0.0323**	**8.5800e-003**	**1.8000e-004**	**8.7500e-003**	**0.0000**	**26.3480**	**26.3480**	**6.4000e-004**	**1.1100e-003**	**26.6944**

3.31 P.3 Meeting Hall Interiors - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.8151**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.31 P.3 Meeting Hall Interiors - 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	8.0000e-005	3.5500e-003	1.0800e-003	2.0000e-005	5.3000e-004	2.0000e-005	5.5000e-004	1.5000e-004	2.0000e-005	1.7000e-004	0.0000	1.5407	1.5407	3.0000e-005	2.3000e-004	1.6087
Worker	1.6300e-003	1.0400e-003	0.0146	5.0000e-005	5.8700e-003	3.0000e-005	5.9000e-003	1.5600e-003	2.0000e-005	1.5900e-003	0.0000	4.3106	4.3106	1.1000e-004	1.1000e-004	4.3457
Total	**1.7100e-003**	**4.5900e-003**	**0.0156**	**7.0000e-005**	**6.4000e-003**	**5.0000e-005**	**6.4500e-003**	**1.7100e-003**	**4.0000e-005**	**1.7600e-003**	**0.0000**	**5.8513**	**5.8513**	**1.4000e-004**	**3.4000e-004**	**5.9544**

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	0.8151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.8151**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.31 P.3 Meeting Hall Interiors - 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	8.0000e-005	3.5500e-003	1.0800e-003	2.0000e-005	5.3000e-004	2.0000e-005	5.5000e-004	1.5000e-004	2.0000e-005	1.7000e-004	0.0000	1.5407	1.5407	3.0000e-005	2.3000e-004	1.6087
Worker	1.6300e-003	1.0400e-003	0.0146	5.0000e-005	5.8700e-003	3.0000e-005	5.9000e-003	1.5600e-003	2.0000e-005	1.5900e-003	0.0000	4.3106	4.3106	1.1000e-004	1.1000e-004	4.3457
Total	**1.7100e-003**	**4.5900e-003**	**0.0156**	**7.0000e-005**	**6.4000e-003**	**5.0000e-005**	**6.4500e-003**	**1.7100e-003**	**4.0000e-005**	**1.7600e-003**	**0.0000**	**5.8513**	**5.8513**	**1.4000e-004**	**3.4000e-004**	**5.9544**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Place of Worship	0.00	0.00	0.00		
Retirement Community	0.00	0.00	0.00		
Retirement Community	0.00	0.00	0.00		
Retirement Community	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

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

	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
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Place of Worship	9.50	7.30	7.30	0.00	95.00	5.00	64	25	11
Retirement Community	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Retirement Community	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Retirement Community	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.572464	0.055653	0.187060	0.115672	0.020329	0.005102	0.007934	0.006404	0.000900	0.000380	0.024412	0.000914	0.002776
Health Club	0.572464	0.055653	0.187060	0.115672	0.020329	0.005102	0.007934	0.006404	0.000900	0.000380	0.024412	0.000914	0.002776
Other Asphalt Surfaces	0.572464	0.055653	0.187060	0.115672	0.020329	0.005102	0.007934	0.006404	0.000900	0.000380	0.024412	0.000914	0.002776
Other Non-Asphalt Surfaces	0.572464	0.055653	0.187060	0.115672	0.020329	0.005102	0.007934	0.006404	0.000900	0.000380	0.024412	0.000914	0.002776
Place of Worship	0.572464	0.055653	0.187060	0.115672	0.020329	0.005102	0.007934	0.006404	0.000900	0.000380	0.024412	0.000914	0.002776
Retirement Community	0.572464	0.055653	0.187060	0.115672	0.020329	0.005102	0.007934	0.006404	0.000900	0.000380	0.024412	0.000914	0.002776

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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
Health Club	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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	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
Retirement Community	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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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
Health Club	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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	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
Retirement Community	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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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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	0	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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	0.4607	4.4700e-003	0.3884	2.0000e-005		2.1500e-003	2.1500e-003		2.1500e-003	2.1500e-003	0.0000	0.6358	0.6358	6.2000e-004	0.0000	0.6513
Unmitigated	0.4607	4.4700e-003	0.3884	2.0000e-005		2.1500e-003	2.1500e-003		2.1500e-003	2.1500e-003	0.0000	0.6358	0.6358	6.2000e-004	0.0000	0.6513

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4489					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0118	4.4700e-003	0.3884	2.0000e-005		2.1500e-003	2.1500e-003		2.1500e-003	2.1500e-003	0.0000	0.6358	0.6358	6.2000e-004	0.0000	0.6513
Total	**0.4607**	**4.4700e-003**	**0.3884**	**2.0000e-005**		**2.1500e-003**	**2.1500e-003**		**2.1500e-003**	**2.1500e-003**	**0.0000**	**0.6358**	**0.6358**	**6.2000e-004**	**0.0000**	**0.6513**

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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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4489					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0118	4.4700e-003	0.3884	2.0000e-005		2.1500e-003	2.1500e-003		2.1500e-003	2.1500e-003	0.0000	0.6358	0.6358	6.2000e-004	0.0000	0.6513
Total	**0.4607**	**4.4700e-003**	**0.3884**	**2.0000e-005**		**2.1500e-003**	**2.1500e-003**		**2.1500e-003**	**2.1500e-003**	**0.0000**	**0.6358**	**0.6358**	**6.2000e-004**	**0.0000**	**0.6513**

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	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

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

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
Health Club	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Place of Worship	0 / 0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

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
Health Club	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Place of Worship	0 / 0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Saratoga Retirement Community Expansion - Construction - Santa Clara County, Annual

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

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

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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
Health Club	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

8.2 Waste by Land Use

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
Health Club	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

HRA Construction Emissions Summary

Mitigated Emissions

Phase	SubPhase	Year	Category	ROG	Fugitive PM2.5	Exhaust PM2.5
Phase 0	P.0 Utility Relocation Prep Roadway	2023	Onsite	0.0154	1.90E-04	2.86E-03
Phase 0	P.0 Utility Relocation Prep Roadway	2023	Hauling	0	0	0
Phase 0	P.0 Utility Relocation Prep Roadway	2023	Vendor	0	0	0
Phase 0	P.0 Utility Relocation Prep Roadway	2023	Worker	4.12E-03	3.48E-03	6.00E-05
Phase 1	P.1 Build A Overall	2023	Onsite	0.0159	0	2.94E-03
Phase 1	P.1 Build A Overall	2023	Hauling	0	0	0
Phase 1	P.1 Build A Overall	2023	Vendor	0	0	0
Phase 1	P.1 Build A Overall	2023	Worker	0	0	0
Phase 1	P.1 Build A Overall	2024	Onsite	0.0283	0	4.93E-03
Phase 1	P.1 Build A Overall	2024	Hauling	0	0	0
Phase 1	P.1 Build A Overall	2024	Vendor	0	0	0
Phase 1	P.1 Build A Overall	2024	Worker	0	0	0
Phase 1	P.1 Build A Excavation	2023	Onsite	0	2.50E-04	0
Phase 1	P.1 Build A Excavation	2023	Hauling	4.50E-04	7.10E-04	1.60E-04
Phase 1	P.1 Build A Excavation	2023	Vendor	2.00E-05	4.00E-05	1.00E-05
Phase 1	P.1 Build A Excavation	2023	Worker	8.50E-04	7.20E-04	1.00E-05
Phase 1	P.1 Bulid A Concrete Found	2023	Onsite	0	0	0
Phase 1	P.1 Bulid A Concrete Found	2023	Hauling	0	0	0
Phase 1	P.1 Bulid A Concrete Found	2023	Vendor	3.50E-04	6.10E-04	8.00E-05
Phase 1	P.1 Bulid A Concrete Found	2023	Worker	5.52E-03	4.66E-03	8.00E-05
Phase 1	P.1 Build A Building Frame	2023	Onsite	0	0	0
Phase 1	P.1 Build A Building Frame	2023	Hauling	0	0	0
Phase 1	P.1 Build A Building Frame	2023	Vendor	4.00E-05	6.00E-05	1.00E-05
Phase 1	P.1 Build A Building Frame	2023	Worker	1.10E-03	9.30E-04	2.00E-05
Phase 1	P.1 Build A Building Frame	2024	Onsite	0	0	0
Phase 1	P.1 Build A Building Frame	2024	Hauling	0	0	0
Phase 1	P.1 Build A Building Frame	2024	Vendor	1.30E-04	2.30E-04	3.00E-05
Phase 1	P.1 Build A Building Frame	2024	Worker	3.72E-03	3.35E-03	5.00E-05
Phase 1	P.1 Build A Building Exterior	2024	Onsite	7.60E-04	0	0
Phase 1	P.1 Build A Building Exterior	2024	Hauling	0	0	0
Phase 1	P.1 Build A Building Exterior	2024	Vendor	1.10E-04	1.90E-04	3.00E-05
Phase 1	P.1 Build A Building Exterior	2024	Worker	3.19E-03	2.87E-03	5.00E-05
Phase 1	P.1 Build A Interiors	2024	Onsite	0.8151	0	0
Phase 1	P.1 Build A Interiors	2024	Hauling	0	0	0
Phase 1	P.1 Build A Interiors	2024	Vendor	2.40E-04	4.30E-04	6.00E-05
Phase 1	P.1 Build A Interiors	2024	Worker	0.0131	0.0118	1.90E-04
Phase 1	P.1 Fitness Overall	2023	Onsite	4.16E-03	0	7.90E-04
Phase 1	P.1 Fitness Overall	2023	Hauling	0	0	0
Phase 1	P.1 Fitness Overall	2023	Vendor	0	0	0
Phase 1	P.1 Fitness Overall	2023	Worker	0	0	0
Phase 1	P.1 Fitness Overall	2024	Onsite	0.0338	0	6.07E-03
Phase 1	P.1 Fitness Overall	2024	Hauling	0	0	0
Phase 1	P.1 Fitness Overall	2024	Vendor	0	0	0
Phase 1	P.1 Fitness Overall	2024	Worker	0	0	0
Phase 1	P.1 Fitness Build Found	2023	Onsite	0	0	0
Phase 1	P.1 Fitness Build Found	2023	Hauling	0	0	0
Phase 1	P.1 Fitness Build Found	2023	Vendor	3.00E-05	5.00E-05	1.00E-05
Phase 1	P.1 Fitness Build Found	2023	Worker	1.02E-03	8.60E-04	1.00E-05
Phase 1	P.1 Fitness Build Found	2024	Onsite	0	0	0
Phase 1	P.1 Fitness Build Found	2024	Hauling	0	1.00E-05	0
Phase 1	P.1 Fitness Build Found	2024	Vendor	3.00E-05	5.00E-05	1.00E-05
Phase 1	P.1 Fitness Build Found	2024	Worker	1.07E-03	9.60E-04	2.00E-05
Phase 1	P.1 Fitness Build Frame	2024	Onsite	0	0	0
Phase 1	P.1 Fitness Build Frame	2024	Hauling	0	0	0
Phase 1	P.1 Fitness Build Frame	2024	Vendor	1.00E-04	1.80E-04	2.00E-05
Phase 1	P.1 Fitness Build Frame	2024	Worker	2.86E-03	2.58E-03	4.00E-05
Phase 1	P.1 Fitness Building Exterior	2024	Onsite	7.60E-04		0
Phase 1	P.1 Fitness Building Exterior	2024	Hauling	0	0	0
Phase 1	P.1 Fitness Building Exterior	2024	Vendor	6.00E-05	1.10E-04	1.00E-05
Phase 1	P.1 Fitness Building Exterior	2024	Worker	1.73E-03	1.56E-03	3.00E-05
Phase 1	P.1 Fitness Interiors	2024	Onsite	0.8151	0	0
Phase 1	P.1 Fitness Interiors	2024	Hauling	0	0	0
Phase 1	P.1 Fitness Interiors	2024	Vendor	9.00E-05	1.60E-04	2.00E-05
Phase 1	P.1 Fitness Interiors	2024	Worker	2.36E-03	2.12E-03	3.00E-05
Phase 2	P.2 Build B Overall	2024	Onsite	0.036	0	6.29E-03
Phase 2	P.2 Build B Overall	2024	Hauling	0	0	0
Phase 2	P.2 Build B Overall	2024	Vendor	0	0	0
Phase 2	P.2 Build B Overall	2024	Worker	0	0	0
Phase 2	P.2 Build B Overall	2025	Onsite	0.019	0	3.14E-03
Phase 2	P.2 Build B Overall	2025	Hauling	0	0	0
Phase 2	P.2 Build B Overall	2025	Vendor	0	0	0
Phase 2	P.2 Build B Overall	2025	Worker	0	0	0

HRA Construction Emissions Summary

Mitigated Emissions

Phase	SubPhase	Year	Category	ROG	Fugitive PM2.5	Exhaust PM2.5
Phase 2	P.2 Build B Excavation	2024	Onsite	0	8.90E-04	0
Phase 2	P.2 Build B Excavation	2024	Hauling	1.46E-03	2.27E-03	5.20E-04
Phase 2	P.2 Build B Excavation	2024	Vendor	3.00E-05	6.00E-05	1.00E-05
Phase 2	P.2 Build B Excavation	2024	Worker	1.91E-03	1.72E-03	3.00E-05
Phase 2	P.2 Build B Concrete Found	2024	Onsite	0	0	0
Phase 2	P.2 Build B Concrete Found	2024	Hauling	0	0	0
Phase 2	P.2 Build B Concrete Found	2024	Vendor	6.70E-04	1.19E-03	1.60E-04
Phase 2	P.2 Build B Concrete Found	2024	Worker	0.0117	0.0106	1.70E-04
Phase 2	P.2 Build B Build Frame	2024	Onsite	0	0	0
Phase 2	P.2 Build B Build Frame	2024	Hauling	0	0	0
Phase 2	P.2 Build B Build Frame	2024	Vendor	1.10E-04	1.90E-04	3.00E-05
Phase 2	P.2 Build B Build Frame	2024	Worker	2.09E-03	1.88E-03	3.00E-05
Phase 2	P.2 Build B Build Exterior	2024	Onsite	2.20E-04	0	0
Phase 2	P.2 Build B Build Exterior	2024	Hauling	0	0	0
Phase 2	P.2 Build B Build Exterior	2024	Vendor	3.00E-05	6.00E-05	1.00E-05
Phase 2	P.2 Build B Build Exterior	2024	Worker	5.50E-04	4.90E-04	1.00E-05
Phase 2	P.2 Build B Build Exterior	2025	Onsite	5.40E-04	0	0
Phase 2	P.2 Build B Build Exterior	2025	Hauling	0	0	0
Phase 2	P.2 Build B Build Exterior	2025	Vendor	8.00E-05	1.40E-04	2.00E-05
Phase 2	P.2 Build B Build Exterior	2025	Worker	1.23E-03	1.18E-03	2.00E-05
Phase 2	P.2 Build B Interiors	2025	Onsite	0.8151	0	0
Phase 2	P.2 Build B Interiors	2025	Hauling	0	0	0
Phase 2	P.2 Build B Interiors	2025	Vendor	2.00E-04	3.60E-04	5.00E-05
Phase 2	P.2 Build B Interiors	2025	Worker	8.61E-03	8.22E-03	1.30E-04
Phase 3	P.3 Build C Overall	2023	Onsite	4.23E-03	0	8.00E-04
Phase 3	P.3 Build C Overall	2023	Hauling	0	0	0
Phase 3	P.3 Build C Overall	2023	Vendor	0	0	0
Phase 3	P.3 Build C Overall	2023	Worker	0	0	0
Phase 3	P.3 Build C Overall	2024	Onsite	0.0332	0	5.94E-03
Phase 3	P.3 Build C Overall	2024	Hauling	0	0	0
Phase 3	P.3 Build C Overall	2023	Vendor	0	0	0
Phase 3	P.3 Build C Overall	2023	Worker	0	0	0
Phase 3	P.3 Build C Overall	2025	Onsite	0.0195	0	3.31E-03
Phase 3	P.3 Build C Overall	2025	Hauling	0	0	0
Phase 3	P.3 Build C Overall	2025	Vendor	0	0	0
Phase 3	P.3 Build C Overall	2025	Worker	0	0	0
Phase 3	P.3 Build C Excavation	2023	Onsite	0	1.09E-03	0
Phase 3	P.3 Build C Excavation	2023	Hauling	7.90E-04	1.24E-03	2.80E-04
Phase 3	P.3 Build C Excavation	2023	Vendor	2.00E-05	3.00E-05	0
Phase 3	P.3 Build C Excavation	2023	Worker	2.04E-03	1.72E-03	3.00E-05
Phase 3	P.3 Build C Excavation	2024	Onsite	0	1.09E-03	0
Phase 3	P.3 Build C Excavation	2024	Hauling	2.20E-04	3.50E-04	8.00E-05
Phase 3	P.3 Build C Excavation	2024	Vendor	0	1.00E-05	0
Phase 3	P.3 Build C Excavation	2024	Worker	5.40E-04	4.80E-04	1.00E-05
Phase 3	P.3 Build C Concrete Found	2024	Onsite	0	0	0
Phase 3	P.3 Build C Concrete Found	2024	Hauling	0	0	0
Phase 3	P.3 Build C Concrete Found	2024	Vendor	4.30E-04	7.70E-04	1.00E-04
Phase 3	P.3 Build C Concrete Found	2024	Worker	0.0106	9.54E-03	1.60E-04
Phase 3	P.3 Build C Build Frame	2024	Onsite	0	0	0
Phase 3	P.3 Build C Build Frame	2024	Hauling	0	0	0
Phase 3	P.3 Build C Build Frame	2024	Vendor	1.60E-04	2.90E-04	4.00E-05
Phase 3	P.3 Build C Build Frame	2024	Worker	4.69E-03	4.22E-03	7.00E-05
Phase 3	P.3 Build C Building Exterior	2024	Onsite	4.30E-04	0	0
Phase 3	P.3 Build C Building Exterior	2024	Hauling	0	0	0
Phase 3	P.3 Build C Building Exterior	2024	Vendor	6.00E-05	1.10E-04	2.00E-05
Phase 3	P.3 Build C Building Exterior	2024	Worker	2.02E-03	1.81E-03	3.00E-05
Phase 3	P.3 Build C Building Exterior	2025	Onsite	3.30E-04	0	0
Phase 3	P.3 Build C Building Exterior	2025	Hauling	0	0	0
Phase 3	P.3 Build C Building Exterior	2025	Vendor	5.00E-05	9.00E-05	1.00E-05
Phase 3	P.3 Build C Building Exterior	2025	Worker	1.47E-03	1.41E-03	2.00E-05
Phase 3	P.3 Build C Interiors	2025	Onsite	0.8151	0	0
Phase 3	P.3 Build C Interiors	2025	Hauling	0	0	0
Phase 3	P.3 Build C Interiors	2025	Vendor	2.70E-04	4.90E-04	7.00E-05
Phase 3	P.3 Build C Interiors	2025	Worker	0.0162	0.0155	2.40E-04

HRA Construction Emissions Summary

Mitigated Emissions

Phase	SubPhase	Year	Category	ROG	Fugitive PM2.5	Exhaust PM2.5
Phase 3	P.3 Meeting Hall Overall	2024	Onsite	2.95E-03	0	4.60E-04
Phase 3	P.3 Meeting Hall Overall	2024	Hauling	0	0	0
Phase 3	P.3 Meeting Hall Overall	2024	Vendor	0	0	0
Phase 3	P.3 Meeting Hall Overall	2024	Worker	0	0	0
Phase 3	P.3 Meeting Hall Overall	2025	Onsite	0.0308	0	4.61E-03
Phase 3	P.3 Meeting Hall Overall	2025	Hauling	0	0	0
Phase 3	P.3 Meeting Hall Overall	2025	Vendor	0	0	0
Phase 3	P.3 Meeting Hall Overall	2025	Worker	0	0	0
Phase 3	P.3 Meeting Hall Excavation	2024	Onsite	0	5.40E-04	0
Phase 3	P.3 Meeting Hall Excavation	2024	Hauling	1.30E-04	2.00E-04	4.00E-05
Phase 3	P.3 Meeting Hall Excavation	2024	Vendor	2.00E-05	3.00E-05	0
Phase 3	P.3 Meeting Hall Excavation	2024	Worker	6.00E-04	5.40E-04	1.00E-05
Phase 3	P.3 Meeting Hall Excavation	2025	Onsite	0	5.40E-04	0
Phase 3	P.3 Meeting Hall Excavation	2025	Hauling	5.00E-05	8.00E-05	2.00E-05
Phase 3	P.3 Meeting Hall Excavation	2025	Vendor	1.00E-05	1.00E-05	0
Phase 3	P.3 Meeting Hall Excavation	2025	Worker	2.30E-04	2.20E-04	0
Phase 3	P.3 Meeting Hall Concrete Found	2025	Onsite	0	0	0
Phase 3	P.3 Meeting Hall Concrete Found	2025	Hauling	0	0	0
Phase 3	P.3 Meeting Hall Concrete Found	2025	Vendor	3.00E-04	5.40E-04	7.00E-05
Phase 3	P.3 Meeting Hall Concrete Found	2025	Worker	1.55E-03	1.48E-03	2.00E-05
Phase 3	P.3 Meeting Hall Build Frame	2025	Onsite	0	0	0
Phase 3	P.3 Meeting Hall Build Frame	2025	Hauling	0	0	0
Phase 3	P.3 Meeting Hall Build Frame	2025	Vendor	6.00E-05	1.00E-04	1.00E-05
Phase 3	P.3 Meeting Hall Build Frame	2025	Worker	5.10E-04	4.80E-04	1.00E-05
Phase 3	P.3 Meeting Hall Build Exterior	2025	Onsite	7.60E-04	0	0
Phase 3	P.3 Meeting Hall Build Exterior	2025	Hauling	0	0	0
Phase 3	P.3 Meeting Hall Build Exterior	2025	Vendor	8.00E-05	1.40E-04	2.00E-05
Phase 3	P.3 Meeting Hall Build Exterior	2025	Worker	8.70E-04	8.40E-04	1.00E-05
Phase 3	P.3 Meeting Hall Interiors	2025	Onsite	0.8151		0
Phase 3	P.3 Meeting Hall Interiors	2025	Hauling	0	0	0
Phase 3	P.3 Meeting Hall Interiors	2025	Vendor	8.00E-05	1.50E-04	2.00E-05
Phase 3	P.3 Meeting Hall Interiors	2025	Worker	1.63E-03	1.56E-03	2.00E-05
Phase 4	Phase 4 - Saws Wing 1	2023	Onsite	2.82E-03	0	3.80E-04
Phase 4	Phase 4 - Saws Wing 1	2023	Hauling	0	0	0
Phase 4	Phase 4 - Saws Wing 1	2023	Vendor	0	0	0
Phase 4	Phase 4 - Saws Wing 1	2023	Worker	0	0	0
Phase 4	Phase 4 - Air Compressors	2023	Onsite	0.0832	0	6.90E-04
Phase 4	Phase 4 - Air Compressors	2023	Hauling	0	1.00E-05	0
Phase 4	Phase 4 - Air Compressors	2023	Vendor	0	0	0
Phase 4	Phase 4 - Air Compressors	2023	Worker	3.25E-03	2.74E-03	5.00E-05
Phase 4	Phase 4 - Air Compressors	2024	Onsite	0.1676	0	1.38E-03
Phase 4	Phase 4 - Air Compressors	2024	Hauling	1.00E-05	1.00E-05	0
Phase 4	Phase 4 - Air Compressors	2024	Vendor	0	0	0
Phase 4	Phase 4 - Air Compressors	2024	Worker	6.14E-03	5.53E-03	9.00E-05
Phase 4	Phase 4 - Air Compressors	2025	Onsite	0.0844	0	7.00E-04
Phase 4	Phase 4 - Air Compressors	2025	Hauling	0	1.00E-05	0
Phase 4	Phase 4 - Air Compressors	2025	Vendor	0	0	0
Phase 4	Phase 4 - Air Compressors	2025	Worker	2.92E-03	2.78E-03	4.00E-05
Phase 4	Phase 4 - Saws Wing 2	2024	Onsite	2.82E-03	0	3.80E-04
Phase 4	Phase 4 - Saws Wing 2	2024	Hauling	0	0	0
Phase 4	Phase 4 - Saws Wing 2	2024	Vendor	0	0	0
Phase 4	Phase 4 - Saws Wing 2	2024	Worker	0	0	0
Phase 4	Phase 4 - Saws Wing 3	2024	Onsite	2.82E-03	0	3.80E-04
Phase 4	Phase 4 - Saws Wing 3	2024	Hauling	0	0	0
Phase 4	Phase 4 - Saws Wing 3	2024	Vendor	0	0	0
Phase 4	Phase 4 - Saws Wing 3	2024	Worker	0	0	0
Phase 4	Phase 4 - Saws Wing 4	2025	Onsite	2.82E-03	0	3.80E-04
Phase 4	Phase 4 - Saws Wing 4	2025	Hauling	0	0	0
Phase 4	Phase 4 - Saws Wing 4	2025	Vendor	0	0	0
Phase 4	Phase 4 - Saws Wing 4	2025	Worker	0	0	0

Onsite Emissions	Year	ROG (tons)	Fugitive PM2.5 (tons)	Exhaust PM2.5 (tons)
Phase 0	2023	0.0154	0.00019	0.00286
Phase 1	2023	0.02006	0.00025	0.00373
Phase 2	2023	0	0	0
Phase 3	2023	0.00423	0.00109	0.0008
Phase 4	2023	0.08602	0	0.00107
Phase 1	2024	1.69382	0	0.011
Phase 2	2024	0.03622	0.00089	0.00629
Phase 3	2024	0.03658	0.00163	0.0064
Phase 4	2024	0.17324	0	0.00214
Phase 1	2025	0	0	0
Phase 2	2025	0.83464	0	0.00314
Phase 3	2025	1.68159	0.00054	0.00792
Phase 4	2025	0.08722	0	0.00108

Year	Type	ROG (tons)	Fugitive PM2.5 (tons)	Exhaust PM2.5 (tons)
2023	Hauling	0.00124	0.00196	0.00044
2023	Vendor	0.00046	0.00079	0.00011
2023	Worker	0.0179	0.01511	0.00026
2024	Hauling	0.00182	0.00284	0.00064
2024	Vendor	0.00227	0.00406	0.00055
2024	Worker	0.06887	0.06205	0.00102
2025	Hauling	0.00005	0.00009	0.00002
2025	Vendor	0.00113	0.00202	0.00027
2025	Worker	0.03522	0.03367	0.00051

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

Saratoga Retirement Community Campus Expansion Operations

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Place of Worship	4.79	1000sqft	0.11	4,792.00	0
Enclosed Parking with Elevator	34.00	Space	0.00	16,879.00	0
Enclosed Parking with Elevator	64.00	Space	0.00	31,710.00	0
Enclosed Parking with Elevator	77.00	Space	0.00	25,899.00	0
Enclosed Parking with Elevator	7.04	1000sqft	0.00	7,043.00	0
Other Asphalt Surfaces	25.12	1000sqft	0.58	25,118.00	0
Other Non-Asphalt Surfaces	74.60	1000sqft	1.71	74,596.00	0
Health Club	1.06	1000sqft	0.02	1,065.00	0
Retirement Community	22.00	Dwelling Unit	0.41	35,898.00	63
Retirement Community	10.00	Dwelling Unit	0.57	28,475.00	29
Retirement Community	20.00	Dwelling Unit	0.42	41,715.00	57

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operations only run.

Land Use - Project specific land uses.

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

Construction Phase - Operations only run.

Off-road Equipment - Operations only run.

Off-road Equipment - Operations only run.

Trips and VMT - Operations only run.

Vehicle Trips - Based on ITE Land Use Trip Rate of 3.7 trips/unit consistent with traffic study; weekday trip conservatively increased to account for 7 additional deliveries (food, produce, meats, med-care).

Woodstoves - No wood fireplaces per BAAQMD Reg 6, Rule 3.

Energy Use - No natural gas infrastructure per Municipal Code Section 16-51.015

Water And Wastewater - Outdoor water use reduced by 20% to account for compliance with WELO requirements based on estimated water savings per DWR 7/31/2015

Stationary Sources - Emergency Generators and Fire Pumps - Stationary sources modeled off-model.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	1.00
tblConstructionPhase	NumDays	20.00	1.00
tblEnergyUse	NT24E	3.70	5.82
tblEnergyUse	NT24E	3.70	5.82
tblEnergyUse	NT24E	3,172.76	4,176.90
tblEnergyUse	NT24NG	6.67	0.00
tblEnergyUse	NT24NG	6.67	0.00
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	T24E	1.32	7.53
tblEnergyUse	T24E	1.32	7.53
tblEnergyUse	T24E	77.89	2,214.36
tblEnergyUse	T24NG	19.51	0.00
tblEnergyUse	T24NG	19.51	0.00

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

tblEnergyUse	T24NG	6,712.79	0.00
tblFireplaces	NumberGas	7.80	16.64
tblFireplaces	NumberWood	8.84	0.00
tblLandUse	LandUseSquareFeet	4,790.00	4,792.00
tblLandUse	LandUseSquareFeet	7,040.00	7,043.00
tblLandUse	LandUseSquareFeet	13,600.00	16,879.00
tblLandUse	LandUseSquareFeet	25,600.00	31,710.00
tblLandUse	LandUseSquareFeet	30,800.00	25,899.00
tblLandUse	LandUseSquareFeet	25,120.00	25,118.00
tblLandUse	LandUseSquareFeet	74,600.00	74,596.00
tblLandUse	LandUseSquareFeet	1,060.00	1,065.00
tblLandUse	LandUseSquareFeet	10,000.00	28,475.00
tblLandUse	LandUseSquareFeet	20,000.00	41,715.00
tblLandUse	LandUseSquareFeet	22,000.00	35,898.00
tblLandUse	LotAcreage	0.16	0.00
tblLandUse	LotAcreage	0.31	0.00
tblLandUse	LotAcreage	0.58	0.00
tblLandUse	LotAcreage	0.69	0.00
tblLandUse	LotAcreage	2.00	0.57
tblLandUse	LotAcreage	4.00	0.42
tblLandUse	LotAcreage	4.40	0.41
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

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

tblTripsAndVMT	VendorTripNumber	36.00	0.00
tblTripsAndVMT	WorkerTripNumber	116.00	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	5.99	0.00
tblVehicleTrips	ST_TR	2.03	3.70
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	27.63	0.00
tblVehicleTrips	SU_TR	1.95	3.70
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	6.95	0.00
tblVehicleTrips	WD_TR	2.40	3.83
tblWater	OutdoorWaterUseRate	38,423.97	30,739.18
tblWater	OutdoorWaterUseRate	234,418.11	187,534.49
tblWater	OutdoorWaterUseRate	2,135,918.93	1,708,735.14
tblWoodstoves	NumberCatalytic	1.04	0.00
tblWoodstoves	NumberNoncatalytic	1.04	0.00

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	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					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)

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		Highest		

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	0.5429	9.8500e-003	0.3907	5.0000e-005		2.5800e-003	2.5800e-003		2.5800e-003	2.5800e-003	0.0000	6.8678	6.8678	7.4000e-004	1.1000e-004	6.9203
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	85.5069	85.5069	0.0138	1.6800e-003	86.3525
Mobile	0.0734	0.0788	0.6989	1.4700e-003	0.1682	1.0500e-003	0.1693	0.0449	9.7000e-004	0.0459	0.0000	139.0265	139.0265	8.6600e-003	6.3600e-003	141.1382
Waste						0.0000	0.0000		0.0000	0.0000	11.6233	0.0000	11.6233	0.6869	0.0000	28.7961
Water						0.0000	0.0000		0.0000	0.0000	1.1423	2.4266	3.5689	0.1177	2.8200e-003	7.3516
Total	**0.6163**	**0.0887**	**1.0896**	**1.5200e-003**	**0.1682**	**3.6300e-003**	**0.1719**	**0.0449**	**3.5500e-003**	**0.0485**	**12.7656**	**233.8279**	**246.5935**	**0.8279**	**0.0110**	**270.5586**

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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	0.5429	9.8500e-003	0.3907	5.0000e-005		2.5800e-003	2.5800e-003		2.5800e-003	2.5800e-003	0.0000	6.8678	6.8678	7.4000e-004	1.1000e-004	6.9203
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	85.5069	85.5069	0.0138	1.6800e-003	86.3525
Mobile	0.0734	0.0788	0.6989	1.4700e-003	0.1682	1.0500e-003	0.1693	0.0449	9.7000e-004	0.0459	0.0000	139.0265	139.0265	8.6600e-003	6.3600e-003	141.1382
Waste						0.0000	0.0000		0.0000	0.0000	11.6233	0.0000	11.6233	0.6869	0.0000	28.7961
Water						0.0000	0.0000		0.0000	0.0000	1.1423	2.4266	3.5689	0.1177	2.8200e-003	7.3516
Total	**0.6163**	**0.0887**	**1.0896**	**1.5200e-003**	**0.1682**	**3.6300e-003**	**0.1719**	**0.0449**	**3.5500e-003**	**0.0485**	**12.7656**	**233.8279**	**246.5935**	**0.8279**	**0.0110**	**270.5586**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	8/30/2021	8/30/2021	5	1	
2	Building Construction	Building Construction	10/1/2021	10/1/2021	5	1	

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Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.29

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	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	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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3.2 Demolition - 2021

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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3.2 Demolition - 2021

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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3.3 Building Construction - 2021

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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3.3 Building Construction - 2021

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

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4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0734	0.0788	0.6989	1.4700e-003	0.1682	1.0500e-003	0.1693	0.0449	9.7000e-004	0.0459	0.0000	139.0265	139.0265	8.6600e-003	6.3600e-003	141.1382
Unmitigated	0.0734	0.0788	0.6989	1.4700e-003	0.1682	1.0500e-003	0.1693	0.0449	9.7000e-004	0.0459	0.0000	139.0265	139.0265	8.6600e-003	6.3600e-003	141.1382

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		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Place of Worship	0.00	0.00	0.00		
Retirement Community	84.19	81.40	81.40	192,609	192,609
Retirement Community	38.27	37.00	37.00	87,549	87,549
Retirement Community	76.54	74.00	74.00	175,099	175,099
Total	199.00	192.40	192.40	455,257	455,257

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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
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Place of Worship	9.50	7.30	7.30	0.00	95.00	5.00	64	25	11
Retirement Community	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Retirement Community	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Retirement Community	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.573651	0.055882	0.186012	0.115369	0.020252	0.005158	0.008030	0.006377	0.000893	0.000372	0.024386	0.000900	0.002720
Health Club	0.573651	0.055882	0.186012	0.115369	0.020252	0.005158	0.008030	0.006377	0.000893	0.000372	0.024386	0.000900	0.002720
Other Asphalt Surfaces	0.573651	0.055882	0.186012	0.115369	0.020252	0.005158	0.008030	0.006377	0.000893	0.000372	0.024386	0.000900	0.002720
Other Non-Asphalt Surfaces	0.573651	0.055882	0.186012	0.115369	0.020252	0.005158	0.008030	0.006377	0.000893	0.000372	0.024386	0.000900	0.002720
Place of Worship	0.573651	0.055882	0.186012	0.115369	0.020252	0.005158	0.008030	0.006377	0.000893	0.000372	0.024386	0.000900	0.002720
Retirement Community	0.573651	0.055882	0.186012	0.115369	0.020252	0.005158	0.008030	0.006377	0.000893	0.000372	0.024386	0.000900	0.002720

5.0 Energy Detail

Historical Energy Use: N

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

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	85.5069	85.5069	0.0138	1.6800e-003	86.3525
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	85.5069	85.5069	0.0138	1.6800e-003	86.3525
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
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
Health Club	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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	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
Retirement Community	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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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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
Health Club	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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	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
Retirement Community	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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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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	140891	13.0357	2.1100e-003	2.6000e-004	13.1646
Enclosed Parking with Elevator	172502	15.9606	2.5800e-003	3.1000e-004	16.1184
Enclosed Parking with Elevator	38313.9	3.5450	5.7000e-004	7.0000e-005	3.5800
Enclosed Parking with Elevator	91821.8	8.4957	1.3700e-003	1.7000e-004	8.5797
Health Club	17498	1.6190	2.6000e-004	3.0000e-005	1.6350
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	78732.6	7.2846	1.1800e-003	1.4000e-004	7.3567
Retirement Community	147847	13.6794	2.2100e-003	2.7000e-004	13.8147
Retirement Community	162632	15.0473	2.4300e-003	3.0000e-004	15.1961
Retirement Community	73923.6	6.8397	1.1100e-003	1.3000e-004	6.9073
Total		**85.5070**	**0.0138**	**1.6800e-003**	**86.3525**

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	140891	13.0357	2.1100e-003	2.6000e-004	13.1646
Enclosed Parking with Elevator	172502	15.9606	2.5800e-003	3.1000e-004	16.1184
Enclosed Parking with Elevator	38313.9	3.5450	5.7000e-004	7.0000e-005	3.5800
Enclosed Parking with Elevator	91821.8	8.4957	1.3700e-003	1.7000e-004	8.5797
Health Club	17498	1.6190	2.6000e-004	3.0000e-005	1.6350
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	78732.6	7.2846	1.1800e-003	1.4000e-004	7.3567
Retirement Community	147847	13.6794	2.2100e-003	2.7000e-004	13.8147
Retirement Community	162632	15.0473	2.4300e-003	3.0000e-004	15.1961
Retirement Community	73923.6	6.8397	1.1100e-003	1.3000e-004	6.9073
Total		**85.5070**	**0.0138**	**1.6800e-003**	**86.3525**

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	0.5429	9.8500e-003	0.3907	5.0000e-005		2.5800e-003	2.5800e-003		2.5800e-003	2.5800e-003	0.0000	6.8678	6.8678	7.4000e-004	1.1000e-004	6.9203
Unmitigated	0.5429	9.8500e-003	0.3907	5.0000e-005		2.5800e-003	2.5800e-003		2.5800e-003	2.5800e-003	0.0000	6.8678	6.8678	7.4000e-004	1.1000e-004	6.9203

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	0.0815					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4489					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	6.3000e-004	5.3800e-003	2.2900e-003	3.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004	0.0000	6.2320	6.2320	1.2000e-004	1.1000e-004	6.2690
Landscaping	0.0118	4.4700e-003	0.3884	2.0000e-005		2.1500e-003	2.1500e-003		2.1500e-003	2.1500e-003	0.0000	0.6358	0.6358	6.2000e-004	0.0000	0.6513
Total	**0.5429**	**9.8500e-003**	**0.3907**	**5.0000e-005**		**2.5900e-003**	**2.5900e-003**		**2.5900e-003**	**2.5900e-003**	**0.0000**	**6.8678**	**6.8678**	**7.4000e-004**	**1.1000e-004**	**6.9203**

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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	0.0815					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4489					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	6.3000e-004	5.3800e-003	2.2900e-003	3.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004	0.0000	6.2320	6.2320	1.2000e-004	1.1000e-004	6.2690
Landscaping	0.0118	4.4700e-003	0.3884	2.0000e-005		2.1500e-003	2.1500e-003		2.1500e-003	2.1500e-003	0.0000	0.6358	0.6358	6.2000e-004	0.0000	0.6513
Total	**0.5429**	**9.8500e-003**	**0.3907**	**5.0000e-005**		**2.5900e-003**	**2.5900e-003**		**2.5900e-003**	**2.5900e-003**	**0.0000**	**6.8678**	**6.8678**	**7.4000e-004**	**1.1000e-004**	**6.9203**

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	3.5689	0.1177	2.8200e-003	7.3516
Unmitigated	3.5689	0.1177	2.8200e-003	7.3516

Saratoga Retirement Community Campus Expansion Operations - Santa Clara 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

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
Health Club	0.0626917 / 0.0307392	0.0612	2.0500e-003	5.0000e-005	0.1271
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Place of Worship	0.149874 / 0.187534	0.1833	4.9100e-003	1.2000e-004	0.3411
Retirement Community	3.38801 / 1.70874	3.3244	0.1108	2.6500e-003	6.8834
Total		**3.5689**	**0.1177**	**2.8200e-003**	**7.3516**

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
Health Club	0.0626917 / 0.0307392	0.0612	2.0500e-003	5.0000e-005	0.1271
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Place of Worship	0.149874 / 0.187534	0.1833	4.9100e-003	1.2000e-004	0.3411
Retirement Community	3.38801 / 1.70874	3.3244	0.1108	2.6500e-003	6.8834
Total		**3.5689**	**0.1177**	**2.8200e-003**	**7.3516**

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	11.6233	0.6869	0.0000	28.7961
Unmitigated	11.6233	0.6869	0.0000	28.7961

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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
Health Club	6.04	1.2261	0.0725	0.0000	3.0375
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	27.3	5.5417	0.3275	0.0000	13.7292
Retirement Community	23.92	4.8555	0.2870	0.0000	12.0294
Total		**11.6233**	**0.6869**	**0.0000**	**28.7961**

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

8.2 Waste by Land Use

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
Health Club	6.04	1.2261	0.0725	0.0000	3.0375
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	27.3	5.5417	0.3275	0.0000	13.7292
Retirement Community	23.92	4.8555	0.2870	0.0000	12.0294
Total		**11.6233**	**0.6869**	**0.0000**	**28.7961**

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

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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

Saratoga Retirement Community Campus Expansion Operations

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Place of Worship	4.79	1000sqft	0.11	4,792.00	0
Enclosed Parking with Elevator	34.00	Space	0.00	16,879.00	0
Enclosed Parking with Elevator	64.00	Space	0.00	31,710.00	0
Enclosed Parking with Elevator	77.00	Space	0.00	25,899.00	0
Enclosed Parking with Elevator	7.04	1000sqft	0.00	7,043.00	0
Other Asphalt Surfaces	25.12	1000sqft	0.58	25,118.00	0
Other Non-Asphalt Surfaces	74.60	1000sqft	1.71	74,596.00	0
Health Club	1.06	1000sqft	0.02	1,065.00	0
Retirement Community	22.00	Dwelling Unit	0.41	35,898.00	63
Retirement Community	10.00	Dwelling Unit	0.57	28,475.00	29
Retirement Community	20.00	Dwelling Unit	0.42	41,715.00	57

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	0	**CH4 Intensity (lb/MWhr)**	0	**N2O Intensity (lb/MWhr)**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operations only run. Participates in CCA (100% renewable energy through SVCE)

Land Use - Project specific land uses.

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

Construction Phase - Operations only run.

Off-road Equipment - Operations only run.

Off-road Equipment - Operations only run.

Trips and VMT - Operations only run.

Vehicle Trips - Based on ITE Land Use Trip Rate of 3.7 trips/unit consistent with traffic study; weekday trip conservatively increased to account for 7 additional deliveries (food, produce, meats, med-care).

Woodstoves - No wood fireplaces per BAAQMD Reg 6, Rule 3.

Energy Use - No natural gas infrastructure per Municipal Code Section 16-51.015

Water And Wastewater - Outdoor water use reduced by 20% to account for compliance with WELO requirements based on estimated water savings per DWR 7/31/2015

Stationary Sources - Emergency Generators and Fire Pumps - Stationary sources modeled off-model.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	1.00
tblConstructionPhase	NumDays	20.00	1.00
tblEnergyUse	NT24E	3.70	5.82
tblEnergyUse	NT24E	3.70	5.82
tblEnergyUse	NT24E	3,172.76	4,176.90
tblEnergyUse	NT24NG	6.67	0.00
tblEnergyUse	NT24NG	6.67	0.00
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	T24E	1.32	7.53
tblEnergyUse	T24E	1.32	7.53
tblEnergyUse	T24E	77.89	2,214.36
tblEnergyUse	T24NG	19.51	0.00
tblEnergyUse	T24NG	19.51	0.00

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

tblEnergyUse	T24NG	6,712.79	0.00
tblFireplaces	NumberGas	7.80	16.64
tblFireplaces	NumberWood	8.84	0.00
tblLandUse	LandUseSquareFeet	4,790.00	4,792.00
tblLandUse	LandUseSquareFeet	13,600.00	16,879.00
tblLandUse	LandUseSquareFeet	25,600.00	31,710.00
tblLandUse	LandUseSquareFeet	30,800.00	25,899.00
tblLandUse	LandUseSquareFeet	7,040.00	7,043.00
tblLandUse	LandUseSquareFeet	25,120.00	25,118.00
tblLandUse	LandUseSquareFeet	74,600.00	74,596.00
tblLandUse	LandUseSquareFeet	1,060.00	1,065.00
tblLandUse	LandUseSquareFeet	22,000.00	35,898.00
tblLandUse	LandUseSquareFeet	10,000.00	28,475.00
tblLandUse	LandUseSquareFeet	20,000.00	41,715.00
tblLandUse	LotAcreage	0.16	0.00
tblLandUse	LotAcreage	0.31	0.00
tblLandUse	LotAcreage	0.58	0.00
tblLandUse	LotAcreage	0.69	0.00
tblLandUse	LotAcreage	2.00	0.57
tblLandUse	LotAcreage	4.00	0.42
tblLandUse	LotAcreage	4.40	0.41
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

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

tblProjectCharacteristics	CH4IntensityFactor	0.033	0
tblProjectCharacteristics	CO2IntensityFactor	203.98	0
tblProjectCharacteristics	N2OIntensityFactor	0.004	0
tblTripsAndVMT	VendorTripNumber	36.00	0.00
tblTripsAndVMT	WorkerTripNumber	116.00	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	5.99	0.00
tblVehicleTrips	ST_TR	2.03	3.70
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	27.63	0.00
tblVehicleTrips	SU_TR	1.95	3.70
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	6.95	0.00
tblVehicleTrips	WD_TR	2.40	3.83
tblWater	OutdoorWaterUseRate	38,423.97	30,739.18
tblWater	OutdoorWaterUseRate	234,418.11	187,534.49
tblWater	OutdoorWaterUseRate	2,135,918.93	1,708,735.14
tblWoodstoves	NumberCatalytic	1.04	0.00
tblWoodstoves	NumberNoncatalytic	1.04	0.00

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	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					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)

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

		Highest		

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	0.5429	9.8500e-003	0.3907	5.0000e-005		2.5800e-003	2.5800e-003		2.5800e-003	2.5800e-003	0.0000	6.8678	6.8678	7.4000e-004	1.1000e-004	6.9203
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0734	0.0788	0.6989	1.4700e-003	0.1682	1.0500e-003	0.1693	0.0449	9.7000e-004	0.0459	0.0000	139.0265	139.0265	8.6600e-003	6.3600e-003	141.1382
Waste						0.0000	0.0000		0.0000	0.0000	11.6233	0.0000	11.6233	0.6869	0.0000	28.7961
Water						0.0000	0.0000		0.0000	0.0000	1.1423	0.0000	1.1423	0.1173	2.7700e-003	4.9010
Total	**0.6163**	**0.0887**	**1.0896**	**1.5200e-003**	**0.1682**	**3.6300e-003**	**0.1719**	**0.0449**	**3.5500e-003**	**0.0485**	**12.7656**	**145.8943**	**158.6599**	**0.8136**	**9.2400e-003**	**181.7555**

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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	0.5429	9.8500e-003	0.3907	5.0000e-005		2.5800e-003	2.5800e-003		2.5800e-003	2.5800e-003	0.0000	6.8678	6.8678	7.4000e-004	1.1000e-004	6.9203
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0734	0.0788	0.6989	1.4700e-003	0.1682	1.0500e-003	0.1693	0.0449	9.7000e-004	0.0459	0.0000	139.0265	139.0265	8.6600e-003	6.3600e-003	141.1382
Waste						0.0000	0.0000		0.0000	0.0000	11.6233	0.0000	11.6233	0.6869	0.0000	28.7961
Water						0.0000	0.0000		0.0000	0.0000	1.1423	0.0000	1.1423	0.1173	2.7700e-003	4.9010
Total	**0.6163**	**0.0887**	**1.0896**	**1.5200e-003**	**0.1682**	**3.6300e-003**	**0.1719**	**0.0449**	**3.5500e-003**	**0.0485**	**12.7656**	**145.8943**	**158.6599**	**0.8136**	**9.2400e-003**	**181.7555**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	8/30/2021	8/30/2021	5	1	
2	Building Construction	Building Construction	10/1/2021	10/1/2021	5	1	

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Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.29

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	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	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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3.2 Demolition - 2021

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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3.2 Demolition - 2021

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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3.3 Building Construction - 2021

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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3.3 Building Construction - 2021

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

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

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0734	0.0788	0.6989	1.4700e-003	0.1682	1.0500e-003	0.1693	0.0449	9.7000e-004	0.0459	0.0000	139.0265	139.0265	8.6600e-003	6.3600e-003	141.1382
Unmitigated	0.0734	0.0788	0.6989	1.4700e-003	0.1682	1.0500e-003	0.1693	0.0449	9.7000e-004	0.0459	0.0000	139.0265	139.0265	8.6600e-003	6.3600e-003	141.1382

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		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Place of Worship	0.00	0.00	0.00		
Retirement Community	84.19	81.40	81.40	192,609	192,609
Retirement Community	38.27	37.00	37.00	87,549	87,549
Retirement Community	76.54	74.00	74.00	175,099	175,099
Total	199.00	192.40	192.40	455,257	455,257

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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
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Place of Worship	9.50	7.30	7.30	0.00	95.00	5.00	64	25	11
Retirement Community	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Retirement Community	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Retirement Community	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.573651	0.055882	0.186012	0.115369	0.020252	0.005158	0.008030	0.006377	0.000893	0.000372	0.024386	0.000900	0.002720
Health Club	0.573651	0.055882	0.186012	0.115369	0.020252	0.005158	0.008030	0.006377	0.000893	0.000372	0.024386	0.000900	0.002720
Other Asphalt Surfaces	0.573651	0.055882	0.186012	0.115369	0.020252	0.005158	0.008030	0.006377	0.000893	0.000372	0.024386	0.000900	0.002720
Other Non-Asphalt Surfaces	0.573651	0.055882	0.186012	0.115369	0.020252	0.005158	0.008030	0.006377	0.000893	0.000372	0.024386	0.000900	0.002720
Place of Worship	0.573651	0.055882	0.186012	0.115369	0.020252	0.005158	0.008030	0.006377	0.000893	0.000372	0.024386	0.000900	0.002720
Retirement Community	0.573651	0.055882	0.186012	0.115369	0.020252	0.005158	0.008030	0.006377	0.000893	0.000372	0.024386	0.000900	0.002720

5.0 Energy Detail

Historical Energy Use: N

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5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
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
Health Club	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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	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
Retirement Community	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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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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
Health Club	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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	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
Retirement Community	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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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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	140891	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	172502	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	38313.9	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	91821.8	0.0000	0.0000	0.0000	0.0000
Health Club	17498	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	78732.6	0.0000	0.0000	0.0000	0.0000
Retirement Community	147847	0.0000	0.0000	0.0000	0.0000
Retirement Community	162632	0.0000	0.0000	0.0000	0.0000
Retirement Community	73923.6	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	140891	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	172502	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	38313.9	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	91821.8	0.0000	0.0000	0.0000	0.0000
Health Club	17498	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	78732.6	0.0000	0.0000	0.0000	0.0000
Retirement Community	147847	0.0000	0.0000	0.0000	0.0000
Retirement Community	162632	0.0000	0.0000	0.0000	0.0000
Retirement Community	73923.6	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.5429	9.8500e-003	0.3907	5.0000e-005		2.5800e-003	2.5800e-003		2.5800e-003	2.5800e-003	0.0000	6.8678	6.8678	7.4000e-004	1.1000e-004	6.9203
Unmitigated	0.5429	9.8500e-003	0.3907	5.0000e-005		2.5800e-003	2.5800e-003		2.5800e-003	2.5800e-003	0.0000	6.8678	6.8678	7.4000e-004	1.1000e-004	6.9203

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	0.0815					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4489					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	6.3000e-004	5.3800e-003	2.2900e-003	3.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004	0.0000	6.2320	6.2320	1.2000e-004	1.1000e-004	6.2690
Landscaping	0.0118	4.4700e-003	0.3884	2.0000e-005		2.1500e-003	2.1500e-003		2.1500e-003	2.1500e-003	0.0000	0.6358	0.6358	6.2000e-004	0.0000	0.6513
Total	**0.5429**	**9.8500e-003**	**0.3907**	**5.0000e-005**		**2.5900e-003**	**2.5900e-003**		**2.5900e-003**	**2.5900e-003**	**0.0000**	**6.8678**	**6.8678**	**7.4000e-004**	**1.1000e-004**	**6.9203**

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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	0.0815					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4489					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	6.3000e-004	5.3800e-003	2.2900e-003	3.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004	0.0000	6.2320	6.2320	1.2000e-004	1.1000e-004	6.2690
Landscaping	0.0118	4.4700e-003	0.3884	2.0000e-005		2.1500e-003	2.1500e-003		2.1500e-003	2.1500e-003	0.0000	0.6358	0.6358	6.2000e-004	0.0000	0.6513
Total	**0.5429**	**9.8500e-003**	**0.3907**	**5.0000e-005**		**2.5900e-003**	**2.5900e-003**		**2.5900e-003**	**2.5900e-003**	**0.0000**	**6.8678**	**6.8678**	**7.4000e-004**	**1.1000e-004**	**6.9203**

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	1.1423	0.1173	2.7700e-003	4.9010
Unmitigated	1.1423	0.1173	2.7700e-003	4.9010

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

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
Health Club	0.0626917 / 0.0307392	0.0199	2.0400e-003	5.0000e-005	0.0853
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Place of Worship	0.149874 / 0.187534	0.0476	4.8800e-003	1.2000e-004	0.2040
Retirement Community	3.38801 / 1.70874	1.0749	0.1104	2.6100e-003	4.6116
Total		**1.1423**	**0.1173**	**2.7800e-003**	**4.9010**

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
Health Club	0.0626917 / 0.0307392	0.0199	2.0400e-003	5.0000e-005	0.0853
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Place of Worship	0.149874 / 0.187534	0.0476	4.8800e-003	1.2000e-004	0.2040
Retirement Community	3.38801 / 1.70874	1.0749	0.1104	2.6100e-003	4.6116
Total		**1.1423**	**0.1173**	**2.7800e-003**	**4.9010**

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	11.6233	0.6869	0.0000	28.7961
Unmitigated	11.6233	0.6869	0.0000	28.7961

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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
Health Club	6.04	1.2261	0.0725	0.0000	3.0375
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	27.3	5.5417	0.3275	0.0000	13.7292
Retirement Community	23.92	4.8555	0.2870	0.0000	12.0294
Total		**11.6233**	**0.6869**	**0.0000**	**28.7961**

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

8.2 Waste by Land Use

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
Health Club	6.04	1.2261	0.0725	0.0000	3.0375
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	27.3	5.5417	0.3275	0.0000	13.7292
Retirement Community	23.92	4.8555	0.2870	0.0000	12.0294
Total		**11.6233**	**0.6869**	**0.0000**	**28.7961**

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

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Saratoga Retirement Community Campus Expansion Project

Stationary Source Emissions

								CRITERIA POLLUTANTS, VOC, and TSP																		GREENHOUSE GASES									
ID	Emission Unit	Rating or Capacity		Fuel Type	Number of Equipment	Daily Operating Hours	Annual Operating Hours	NOx			CO			ROG			TSP			PM_{10}			$PM_{2.5}$			SO_2			CO_2		CH_4		N_2O		CO_2e	
						(hr/day)	(hr/yr)	(lb/hr)	(lb/day)	(ton/yr)	(lb/hr)	(lb/day)	(ton/yr)	(lb/hr)	(lb/day)	(ton/yr)	(lb/hr)	(ton/yr)	(lb/hr)	(lb/day)	(ton/yr)	(lb/hr)	(lb/day)	(ton/yr)	(lb/hr)	(lb/day)	(ton/yr)	(lb/hr)	(MT/yr)	(lb/hr)	(MT/yr)	(lb/hr)	(MT/yr)	(lb/hr)	(MT/yr)	(lb/hr)	(MT/yr)
Operations - Stationary Permitted Sources																																	
1	Emergency Generator - New (BLDG A)	158	hp	ULSD	1	1	50	0.10	0.01	0.00	1.29	0.18	0.03	0.05	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	180	4	7.31E-03	1.66E-04	1.46E-03	3.32E-05	181	4
2	Emergency Generator - New (BLDG B)	158	hp	ULSD	1	1	50	0.10	0.01	0.00	1.29	0.18	0.03	0.05	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	180	4	7.31E-03	1.66E-04	1.46E-03	3.32E-05	181	4
3	Emergency Generator - New (BLDG C)	158	hp	ULSD	1	1	50	0.10	0.01	0.00	1.29	0.18	0.03	0.05	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	180	4	7.31E-03	1.66E-04	1.46E-03	3.32E-05	181	4
4	Emergency Generator - Existing (Assisted Living)	207	hp	ULSD	1	1	8	3.15	0.07	0.01	1.38	0.03	0.01	0.52	0.01	0.00	0.46	0.00	0.46	0.01	0.00	0.46	0.01	0.00	0.00	0.00	0.00	236	1	9.58E-03	3.48E-05	1.92E-03	6.96E-06	237	1
5	Emergency Generator - Existing (Health Care)	277	hp	ULSD	1	1	8	4.21	0.09	0.02	5.19	0.11	0.02	0.56	0.01	0.00	0.24	0.00	0.24	0.01	0.00	0.24	0.01	0.00	0.00	0.00	0.00	316	1	1.28E-02	4.65E-05	2.56E-03	9.31E-06	317	1
6	Emergency Generator - Existing (Independent Living)	361.008	hp	ULSD	2	1	8	7.41	0.16	0.03	4.14	0.09	0.02	0.39	0.01	0.00	0.24	0.00	0.24	0.01	0.00	0.24	0.01	0.00	0.01	0.00	0.00	824	3	3.34E-02	1.21E-04	6.69E-03	2.43E-05	827	3
TOTAL	Operations - New/Modified Permitted Sources							15.09	0.37	0.07	14.58	0.76	0.14	1.61	0.05	0.01	0.95	0.00	0.95	0.02	0.00	0.95	0.02	0.00	0.02	0.00	0.00	1,917.53	17.27	0.08	0.00	0.02	0.00	1,924.11	17.32

Summary of Maximum Daily Long-Term Permitted Emissions Sources
Emissions of Criteria Air Pollutants and Precursors

Emissions Source	Annual Emissions (tons/year)			
	ROG	NO_x	PM_{10}	$PM_{2.5}$
Emergency Generator - New (BLDG A)	0.00	0.00	0.00	0.00
Emergency Generator - New (BLDG B)	0.00	0.00	0.00	0.00
Emergency Generator - New (BLDG C)	0.00	0.00	0.00	0.00
Total Annual Net New Operational Emissions	**0.0037**	**0.0078**	**0.0004**	**0.0004**
BAAQMD Thresholds of Significance	**10**	**10**	**15**	**10**
Exceeds Thresholds?	**No**	**No**	**No**	**No**

Notes: tons/year = tons per year; ROG = reactive organic gases; NO_x = oxides of nitrogen; PM_{10} = respirable particulate matter; $PM_{2.5}$ = fine particulate matter. Particulate matter thresholds are for exhaust emissions only.
* Operational emissions were modeled for year 2024.
† Total emissions may not add correctly due to rounding.

Summary of Maximum Daily Long-Term Permitted Emissions Sources
Emissions of Criteria Air Pollutants and Precursors

Emissions Source	Daily Emissions (lb/day)			
	ROG	NO_x	PM_{10}	$PM_{2.5}$
Emergency Generator - New (BLDG A)	0.007	0.014	0.001	0.001
Emergency Generator - New (BLDG B)	0.007	0.014	0.001	0.001
Emergency Generator - New (BLDG C)	0.007	0.014	0.001	0.001
Total Daily Net New Operational Emissions	**0.02**	**0.04**	**0.002**	**0.002**
BAAQMD Thresholds of Significance	**54**	**54**	**82**	**54**
Exceeds Thresholds?	**No**	**No**	**No**	**No**

Notes: lb/day = pounds per day; ROG = reactive organic gases; NO_x = oxides of nitrogen; PM_{10} = respirable particulate matter; $PM_{2.5}$ = fine particulate matter. Particulate matter thresholds are for exhaust emissions only.
* Operational emissions were modeled for year 2024.
† Total emissions may not add correctly due to rounding.

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Conversions			
1 kW_e =	1.341	hp_e	(eletrical)
1 kW_m =	1.340	hp_m	(mechanical)
1 kW_e =	3412	Btu/hr	(eletrical)
1 hp_m =	2544	Btu/hr	(mechanical)
1 ton =	2000	pounds (lb)	
1 ton =	0.907185	tonne	
1 lb-mol =	379.5	scf	(ideal gas)

Description	Value	Unit	Source
Fuel Specifications			
Natural Gas Average Heating Value	1,020	Btu/scf (HHV)	AP-42, Section 3.1, Table 3.1-1, Footnote c; and AP-42, Section 1.4, Table 1.4-1, Footnote a
Natural Gas Average Heating Value	918	Btu/scf (LHV)	AP-42, Section 3.1, Table 3.1-1, Footnote c, adjusted to LHV using general industry knowledge of fuel.
Gas (Propane/Butante/NG) F Factor	8,710	dscf/MMBtu	EPA Method 19 default value.
ULSD Fuel Higher Heating Value (HHV)	138,000	Btu/gal	40 CFR 98, Subpart C, Table C-1
ULSD Fuel Higher Heating Value (LHV)	----	----	----
ULSD Fuel Density	7.2	lb/gal	Conversion from HHV/19,300 Btu/lb from AP-42 3.3-1 footnote c
ULSD Sulfur Content	0.0015	% wt	EPA standard value for ULSD
Oil F Factor	9,190	dscf/MMBtu	EPA Method 19 default value.
Higher Heating Value of Solid Waste	9.0	MMBtu/short ton	AP-42, Table 2.1-9, footnote a.
Municipal Waste F Factor	9,570	dscf/MMBtu	EPA Method 19 default value.
Assumptions			
Engine Average Brake-Specific Fuel Consumption	7,000	Btu/bhp-hr	AP-42, Section 3.4, Table 3.4-1, Footnote e (October 1996)
Generator Efficiency	100	%	Assumed provided engine hp are output hp values. See "Gen Eff" tab for details on conversion from bhp to hp-output.
Global Warming Potentials			
Carbon Dioxide (CO_2)	1	----	IPCC Fourth Assessment Report, 2007 (AR4), consistent with CARB and CalEEMod emissions calculation methodologies
Methane (CH_4)	25	----	IPCC Fourth Assessment Report, 2007 (AR4), consistent with CARB and CalEEMod emissions calculation methodologies
Nitrous Oxide (N_2O)	298	----	IPCC Fourth Assessment Report, 2007 (AR4), consistent with CARB and CalEEMod emissions calculation methodologies

Description of Equipment or Activity	Rating or Capacity		Fuel Type (Combustion Only)	Unit Load % (Combustion Only)	Engine Tier (Diesel Engines Only)	Number of Units	Annual Operating Hours	Daily Operating Hours	Source	Notes
Emergency Generator - New (BLDG A)	158	hp	ULSD	73	Tier 4	1	50	1	Table 2 of *B-2 DataNeeds CEQA SRC with Responses 2021-04-06 with Exhibits.pdf*	Assumed Tier 4 engine. 50 hour non-emergency use limit for EG per BAAQMD Regulation 9-8-330.3. 73% load is CalEEMod default load factor.
Emergency Generator - New (BLDG B)	158	hp	ULSD	73	Tier 4	1	50	1	Table 2 of *B-2 DataNeeds CEQA SRC with Responses 2021-04-06 with Exhibits.pdf*	Assumed Tier 4 engine. 50 hour non-emergency use limit for EG per BAAQMD Regulation 9-8-330.3. 73% load is CalEEMod default load factor.
Emergency Generator - New (BLDG C)	158	hp	ULSD	73	Tier 4	1	50	1	Table 2 of *B-2 DataNeeds CEQA SRC with Responses 2021-04-06 with Exhibits.pdf*	Assumed Tier 4 engine. 50 hour non-emergency use limit for EG per BAAQMD Regulation 9-8-330.3. 73% load is CalEEMod default load factor.
Emergency Generator - Existing (Assisted Living)	207	hp	ULSD	73	Tier 1	1	8	1	Table 2 of *B-2 DataNeeds CEQA SRC with Responses 2021-04-06 with Exhibits.pdf*	Assumed Tier 1 engine for existing unit based on spec sheet (https://csdieselgenerators.com/Images/Generators/2763/Cummins-DGEA-spec-sheet.pdf). 8 hour non-emergency use limit for EG per BAAQMD Permit. 73% load is CalEEMod default load factor.
Emergency Generator - Existing (Health Care)	277	hp	ULSD	73	Tier 1	1	8	1	Table 2 of *B-2 DataNeeds CEQA SRC with Responses 2021-04-06 with Exhibits.pdf*	Assumed Tier 1 engine for existing unit based spec sheet (https://csdieselgenerators.com/Images/Generators/2830/Cummins-DGFA-spec-sheet.pdf). 8 hour non-emergency use limit for EG per BAAQMD Permit. 73% load is CalEEMod default load factor.
Emergency Generator - Existing (Independent Living)	361	hp	ULSD	73	Tier 2	2	8	1	Table 2 of *B-2 DataNeeds CEQA SRC with Responses 2021-04-06 with Exhibits.pdf*	Assumed Tier 2 engine for existing unit. 8 hour non-emergency use limit for EG per BAAQMD Permit. 73% load is CalEEMod default load factor.

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Emission Unit Description	Emergency Generator - New (BLDG A)	
Emission Unit Category	Engine | Diesel | <600 hp	
Number of Units	1	
Engine Tier	Tier 4	
Engine Size Category	100 ≤ hp < 175	
Rated Output	118	kW
	158	hp
Brake-Specific Fuel Consumption	7,000	Btu/bhp-hr
Heat Input Rating	1.1	MMBtu/hr
Annual Hours of Operation	50	hr/yr
Daily Hours of Operation	1	hr/day
Load Factor	73	%
Fuel Properties	ULSD	
Higher Heating Value (HHV)	138,000	Btu/gal
Density of Liquid Fuel	7.2	lb/gal
Sulfur Content	0.0015	% wt

	Species	Emission Factor	Emission Factor Unit	Emission Rates (lb/hr-unit)	Emission Rates (ton/yr-unit)	Emission Rates (lb/hr)	Emission Rates (ton/yr)
	Criteria Pollutants, ROG, & TSP [(a)]						
7	NO_X	3.00E-01	g/hp-hr	0.10	0.00	0.10	0.00
8	CO	3.70E+00	g/hp-hr	1.29	0.03	1.29	0.03
9	ROG	1.40E-01	g/hp-hr	0.05	0.00	0.05	0.00
10	TSP	1.50E-02	g/hp-hr	0.01	0.00	0.01	0.00
11	PM_{10}	1.50E-02	g/hp-hr	0.01	0.00	0.01	0.00
12	$PM_{2.5}$	1.50E-02	g/hp-hr	0.01	0.00	0.01	0.00
13	SO_2	4.94E-03	g/hp-hr	0.00	0.00	0.00	0.00
	Air Toxics/HAPs [(b)]						
19	1,1,2,2-Tetrachloroethane		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	1,1,1-Trichloroethane		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	1,1,2-Trichloroethane		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	1,3-Butadiene	3.91E-05	lb/MMBtu	4.32E-05	1.08E-06	4.32E-05	1.08E-06
23	1,3-Dichloropropene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	2,2,4-Trimethylpentane (iso-octane)		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25	Acetaldehyde	7.67E-04	lb/MMBtu	8.48E-04	2.12E-05	8.48E-04	2.12E-05
26	Acrolein	9.25E-05	lb/MMBtu	1.02E-04	2.56E-06	1.02E-04	2.56E-06
27	Benzene	9.33E-04	lb/MMBtu	1.03E-03	2.58E-05	1.03E-03	2.58E-05
28	Biphenyl		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	Carbon Tetrachloride		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30	Chlorobenzene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
31	Chloroform		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
32	Dichlorobenzene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
33	Dioxins/furans (CDD/CDF) (TEQ)		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	Ethylbenzene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
35	Ethylene Dibromide		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
36	Ethylene Dichloride		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
37	Formaldehyde	1.18E-03	lb/MMBtu	1.31E-03	3.26E-05	1.31E-03	3.26E-05
38	Hexane		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
39	Hydrogen Chloride		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	Hydrogen Sulfide		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
41	Methanol		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
42	Methylene Chloride		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
43	Phenol		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
44	Propylene Oxide		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
45	Styrene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
46	Tetrachloroethylene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
47	Tetrachloroethane		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
48	Toluene	4.09E-04	lb/MMBtu	4.52E-04	1.13E-05	4.52E-04	1.13E-05
49	Trichloroethylene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
50	Vinyl Chloride		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	Vinylidene Chloride		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
52	Xylenes (m,p,o)	2.85E-04	lb/MMBtu	3.15E-04	7.88E-06	3.15E-04	7.88E-06
55	2-Methylnaphthalene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
56	3-Methylchloranthrene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
57	7,12-Dimethylbenz(a)anthracene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
58	Acenaphthene	1.42E-06	lb/MMBtu	1.57E-06	3.93E-08	1.57E-06	3.93E-08
59	Acenaphthylene	5.06E-06	lb/MMBtu	5.60E-06	1.40E-07	5.60E-06	1.40E-07
60	Anthracene	1.87E-06	lb/MMBtu	2.07E-06	5.17E-08	2.07E-06	5.17E-08
61	Benz(a)anthracene	1.68E-06	lb/MMBtu	1.86E-06	4.65E-08	1.86E-06	4.65E-08
62	Benzo(a)pyrene	1.88E-07	lb/MMBtu	2.08E-07	5.20E-09	2.08E-07	5.20E-09
63	Benzo(e)pyrene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
64	Benzo(b)flouoranthene	9.91E-08	lb/MMBtu	1.10E-07	2.74E-09	1.10E-07	2.74E-09
65	Benzo(g,h,I)perylene	4.89E-07	lb/MMBtu	5.41E-07	1.35E-08	5.41E-07	1.35E-08
66	Benzo(k)fluoranthene	1.55E-07	lb/MMBtu	1.71E-07	4.29E-09	1.71E-07	4.29E-09
67	Chrysene	3.53E-07	lb/MMBtu	3.90E-07	9.76E-09	3.90E-07	9.76E-09
68	Dibenzo(a,h)anthracene	5.83E-07	lb/MMBtu	6.45E-07	1.61E-08	6.45E-07	1.61E-08
69	Fluoranthene	7.61E-06	lb/MMBtu	8.42E-06	2.10E-07	8.42E-06	2.10E-07
70	Fluorene	2.92E-05	lb/MMBtu	3.23E-05	8.07E-07	3.23E-05	8.07E-07
71	Indeno(1,2,3-c,d)pyrene	3.75E-07	lb/MMBtu	4.15E-07	1.04E-08	4.15E-07	1.04E-08
72	Naphthalene	8.48E-05	lb/MMBtu	9.38E-05	2.34E-06	9.38E-05	2.34E-06
73	Perylene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
74	Phenanathrene	2.94E-05	lb/MMBtu	3.25E-05	8.13E-07	3.25E-05	8.13E-07
75	Pyrene	4.78E-06	lb/MMBtu	5.29E-06	1.32E-07	5.29E-06	1.32E-07
77	Arsenic		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
78	Beryllium		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
79	Cadmium		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
80	Chromium		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
81	Chromium VI		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
82	Cobalt		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
83	Lead	9.00E-06	lb/MMBtu	9.95E-06	2.49E-07	9.95E-06	2.49E-07
84	Manganese		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
85	Mercury		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
86	Nickel		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	Selenium		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
88	Zinc		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
89	HAPs (Total)	----		4.29E-03	1.07E-04	4.29E-03	1.07E-04
90	HAPs (Max Individual)	Formaldehyde		1.31E-03	3.26E-05	1.31E-03	3.26E-05
	Greenhouse Gases [(c), (d)]						
15	CO_2	7.40E+01	kg/MMBtu	1.80E+02	4.51E+00	1.80E+02	4.51E+00
16	CH_4	3.00E-03	kg/MMBtu	7.31E-03	1.83E-04	7.31E-03	1.83E-04
17	N_2O	6.00E-04	kg/MMBtu	1.46E-03	3.66E-05	1.46E-03	3.66E-05
	Total CO_2e	----	----	1.81E+02	4.52E+00	1.81E+02	4.52E+00

Notes:

(a) SO2 Emission factor (EF) based on a mass balance of combusted fuel at the specified sulfur content. EF = (weight % S) x (64 lb SO2/lb-mol)/(32 lb S/lb-mol) x (7.2 lb/gal) / (Btu/gal) * (7,000 Btu/hp-hr). All other criteria pollutant EFs from EPA nonroad compression-ignition engine emission standards for specific engine tier and size.

(b) AP-42, Section 3.3, Table 3.3-2 (October 1996)

(c) 40 CFR 98, Subpart C, Table C-1 and Table C-2 Default Emission Factors for Various Types of Fuel, Petroleum products - liquid, Distillate Fuel Oil No.
(d) Calculation of carbon dioxide equivalents based on Global Warming Potentials in IPCC Fourth Assessment Report, 2007 (AR4), consistent with CARB and CalEEMod emissions calculation methodologies.

Saratoga Retirement Community Campus Expansion Project
Saratoga - Operations Related Emissions
Revision - 9/8/2021

Emission Unit Description	Emergency Generator - New (BLDG B)	
Emission Unit Category	Engine | Diesel | <600 hp	
Number of Units	1	
Engine Tier	Tier 4	
Engine Size Category	100 ≤ hp < 175	
Rated Output	118	kW
	158	hp
Brake-Specific Fuel Consumption	7,000	Btu/bhp-hr
Heat Input Rating	1.1	MMBtu/hr
Annual Hours of Operation	50	hr/yr
Daily Hours of Operation	1	hr/day
Load Factor	73	%
Fuel Properties	ULSD	
Higher Heating Value (HHV)	138,000	Btu/gal
Density of Liquid Fuel	7.2	lb/gal
Sulfur Content	0.0015	% wt

	Species	Emission Factor	Emission Factor Unit	Emission Rates (lb/hr-unit)	Emission Rates (ton/yr-unit)	Emission Rates (lb/hr)	Emission Rates (ton/yr)
	Criteria Pollutants, ROG, & TSP [(a)]						
7	NO_X	3.00E-01	g/hp-hr	0.10	0.00	0.10	0.00
8	CO	3.70E+00	g/hp-hr	1.29	0.03	1.29	0.03
9	ROG	1.40E-01	g/hp-hr	0.05	0.00	0.05	0.00
10	TSP	1.50E-02	g/hp-hr	0.01	0.00	0.01	0.00
11	PM_{10}	1.50E-02	g/hp-hr	0.01	0.00	0.01	0.00
12	$PM_{2.5}$	1.50E-02	g/hp-hr	0.01	0.00	0.01	0.00
13	SO_2	4.94E-03	g/hp-hr	0.00	0.00	0.00	0.00
	Air Toxics/HAPs [(b)]						
19	1,1,2,2-Tetrachloroethane		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	1,1,1-Trichloroethane		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	1,1,2-Trichloroethane		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	1,3-Butadiene	3.91E-05	lb/MMBtu	4.32E-05	1.08E-06	4.32E-05	1.08E-06
23	1,3-Dichloropropene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	2,2,4-Trimethylpentane (iso-octane)		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25	Acetaldehyde	7.67E-04	lb/MMBtu	8.48E-04	2.12E-05	8.48E-04	2.12E-05
26	Acrolein	9.25E-05	lb/MMBtu	1.02E-04	2.56E-06	1.02E-04	2.56E-06
27	Benzene	9.33E-04	lb/MMBtu	1.03E-03	2.58E-05	1.03E-03	2.58E-05
28	Biphenyl		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	Carbon Tetrachloride		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30	Chlorobenzene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
31	Chloroform		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
32	Dichlorobenzene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
33	Dioxins/furans (CDD/CDF) (TEQ)		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	Ethylbenzene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
35	Ethylene Dibromide		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
36	Ethylene Dichloride		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
37	Formaldehyde	1.18E-03	lb/MMBtu	1.31E-03	3.26E-05	1.31E-03	3.26E-05
38	Hexane		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
39	Hydrogen Chloride		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	Hydrogen Sulfide		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
41	Methanol		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
42	Methylene Chloride		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
43	Phenol		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
44	Propylene Oxide		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
45	Styrene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
46	Tetrachloroethylene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
47	Tetrachloroethane		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
48	Toluene	4.09E-04	lb/MMBtu	4.52E-04	1.13E-05	4.52E-04	1.13E-05
49	Trichloroethylene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
50	Vinyl Chloride		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	Vinylidene Chloride		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
52	Xylenes (m,p,o)	2.85E-04	lb/MMBtu	3.15E-04	7.88E-06	3.15E-04	7.88E-06
55	2-Methylnaphthalene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
56	3-Methylchloranthrene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
57	7,12-Dimethylbenz(a)anthracene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
58	Acenaphthene	1.42E-06	lb/MMBtu	1.57E-06	3.93E-08	1.57E-06	3.93E-08
59	Acenaphthylene	5.06E-06	lb/MMBtu	5.60E-06	1.40E-07	5.60E-06	1.40E-07
60	Anthracene	1.87E-06	lb/MMBtu	2.07E-06	5.17E-08	2.07E-06	5.17E-08
61	Benz(a)anthracene	1.68E-06	lb/MMBtu	1.86E-06	4.65E-08	1.86E-06	4.65E-08
62	Benzo(a)pyrene	1.88E-07	lb/MMBtu	2.08E-07	5.20E-09	2.08E-07	5.20E-09
63	Benzo(e)pyrene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
64	Benzo(b)flouoranthene	9.91E-08	lb/MMBtu	1.10E-07	2.74E-09	1.10E-07	2.74E-09
65	Benzo(g,h,I)perylene	4.89E-07	lb/MMBtu	5.41E-07	1.35E-08	5.41E-07	1.35E-08
66	Benzo(k)fluoranthene	1.55E-07	lb/MMBtu	1.71E-07	4.29E-09	1.71E-07	4.29E-09
67	Chrysene	3.53E-07	lb/MMBtu	3.90E-07	9.76E-09	3.90E-07	9.76E-09
68	Dibenzo(a,h)anthracene	5.83E-07	lb/MMBtu	6.45E-07	1.61E-08	6.45E-07	1.61E-08
69	Fluoranthene	7.61E-06	lb/MMBtu	8.42E-06	2.10E-07	8.42E-06	2.10E-07
70	Fluorene	2.92E-05	lb/MMBtu	3.23E-05	8.07E-07	3.23E-05	8.07E-07
71	Indeno(1,2,3-c,d)pyrene	3.75E-07	lb/MMBtu	4.15E-07	1.04E-08	4.15E-07	1.04E-08
72	Naphthalene	8.48E-05	lb/MMBtu	9.38E-05	2.34E-06	9.38E-05	2.34E-06
73	Perylene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
74	Phenanathrene	2.94E-05	lb/MMBtu	3.25E-05	8.13E-07	3.25E-05	8.13E-07
75	Pyrene	4.78E-06	lb/MMBtu	5.29E-06	1.32E-07	5.29E-06	1.32E-07
77	Arsenic		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
78	Beryllium		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
79	Cadmium		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
80	Chromium		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
81	Chromium VI		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
82	Cobalt		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
83	Lead	9.00E-06	lb/MMBtu	9.95E-06	2.49E-07	9.95E-06	2.49E-07
84	Manganese		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
85	Mercury		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
86	Nickel		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	Selenium		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
88	Zinc		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
89	HAPs (Total)	----		4.29E-03	1.07E-04	4.29E-03	1.07E-04
90	HAPs (Max Individual)	Formaldehyde		1.31E-03	3.26E-05	1.31E-03	3.26E-05
	Greenhouse Gases [(c), (d)]						
15	CO_2	7.40E+01	kg/MMBtu	1.80E+02	4.51E+00	1.80E+02	4.51E+00
16	CH_4	3.00E-03	kg/MMBtu	7.31E-03	1.83E-04	7.31E-03	1.83E-04
17	N_2O	6.00E-04	kg/MMBtu	1.46E-03	3.66E-05	1.46E-03	3.66E-05
	Total CO_2e	----	----	1.81E+02	4.52E+00	1.81E+02	4.52E+00

Notes:

(a) SO2 Emission factor (EF) based on a mass balance of combusted fuel at the specified sulfur content. EF = (weight % S) x (64 lb SO2/lb-mol)/(32 lb S/lb-mol) x (7.2 lb/gal) / (Btu/gal) * (7,000 Btu/hp-hr). All other criteria pollutant EFs from EPA nonroad compression-ignition engine emission standards for specific engine tier and size.

(b) AP-42, Section 3.3, Table 3.3-2 (October 1996)

(c) 40 CFR 98, Subpart C, Table C-1 and Table C-2 Default Emission Factors for Various Types of Fuel, Petroleum products - liquid, Distillate Fuel Oil No.
(d) Calculation of carbon dioxide equivalents based on Global Warming Potentials in IPCC Fourth Assessment Report, 2007 (AR4), consistent with CARB and CalEEMod emissions calculation methodologies.

Saratoga Retirement Community Campus Expansion Project
Saratoga - Operations Related Emissions
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Emission Unit Description	Emergency Generator - New (BLDG C)	
Emission Unit Category	Engine | Diesel | <600 hp	
Number of Units	1	
Engine Tier	Tier 4	
Engine Size Category	100 ≤ hp < 175	
Rated Output	118	kW
	158	hp
Brake-Specific Fuel Consumption	7,000	Btu/bhp-hr
Heat Input Rating	1.1	MMBtu/hr
Annual Hours of Operation	50	hr/yr
Daily Hours of Operation	1	hr/day
Load Factor	73	%
Fuel Properties	ULSD	
Higher Heating Value (HHV)	138,000	Btu/gal
Density of Liquid Fuel	7.2	lb/gal
Sulfur Content	0.0015	% wt

	Species	Emission Factor	Emission Factor Unit	Emission Rates (lb/hr-unit)	Emission Rates (ton/yr-unit)	Emission Rates (lb/hr)	Emission Rates (ton/yr)
	Criteria Pollutants, ROG, & TSP [(a)]						
7	NO_X	3.00E-01	g/hp-hr	0.10	0.00	0.10	0.00
8	CO	3.70E+00	g/hp-hr	1.29	0.03	1.29	0.03
9	ROG	1.40E-01	g/hp-hr	0.05	0.00	0.05	0.00
10	TSP	1.50E-02	g/hp-hr	0.01	0.00	0.01	0.00
11	PM_{10}	1.50E-02	g/hp-hr	0.01	0.00	0.01	0.00
12	$PM_{2.5}$	1.50E-02	g/hp-hr	0.01	0.00	0.01	0.00
13	SO_2	4.94E-03	g/hp-hr	0.00	0.00	0.00	0.00
	Air Toxics/HAPs [(b)]						
19	1,1,2,2-Tetrachloroethane		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	1,1,1-Trichloroethane		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	1,1,2-Trichloroethane		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	1,3-Butadiene	3.91E-05	lb/MMBtu	4.32E-05	1.08E-06	4.32E-05	1.08E-06
23	1,3-Dichloropropene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	2,2,4-Trimethylpentane (iso-octane)		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25	Acetaldehyde	7.67E-04	lb/MMBtu	8.48E-04	2.12E-05	8.48E-04	2.12E-05
26	Acrolein	9.25E-05	lb/MMBtu	1.02E-04	2.56E-06	1.02E-04	2.56E-06
27	Benzene	9.33E-04	lb/MMBtu	1.03E-03	2.58E-05	1.03E-03	2.58E-05
28	Biphenyl		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	Carbon Tetrachloride		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30	Chlorobenzene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
31	Chloroform		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
32	Dichlorobenzene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
33	Dioxins/furans (CDD/CDF) (TEQ)		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	Ethylbenzene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
35	Ethylene Dibromide		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
36	Ethylene Dichloride		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
37	Formaldehyde	1.18E-03	lb/MMBtu	1.31E-03	3.26E-05	1.31E-03	3.26E-05
38	Hexane		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
39	Hydrogen Chloride		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	Hydrogen Sulfide		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
41	Methanol		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
42	Methylene Chloride		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
43	Phenol		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
44	Propylene Oxide		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
45	Styrene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
46	Tetrachloroethylene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
47	Tetrachloroethane		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
48	Toluene	4.09E-04	lb/MMBtu	4.52E-04	1.13E-05	4.52E-04	1.13E-05
49	Trichloroethylene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
50	Vinyl Chloride		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	Vinylidene Chloride		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
52	Xylenes (m,p,o)	2.85E-04	lb/MMBtu	3.15E-04	7.88E-06	3.15E-04	7.88E-06
55	2-Methylnaphthalene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
56	3-Methylchloranthrene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
57	7,12-Dimethylbenz(a)anthracene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
58	Acenaphthene	1.42E-06	lb/MMBtu	1.57E-06	3.93E-08	1.57E-06	3.93E-08
59	Acenaphthylene	5.06E-06	lb/MMBtu	5.60E-06	1.40E-07	5.60E-06	1.40E-07
60	Anthracene	1.87E-06	lb/MMBtu	2.07E-06	5.17E-08	2.07E-06	5.17E-08
61	Benz(a)anthracene	1.68E-06	lb/MMBtu	1.86E-06	4.65E-08	1.86E-06	4.65E-08
62	Benzo(a)pyrene	1.88E-07	lb/MMBtu	2.08E-07	5.20E-09	2.08E-07	5.20E-09
63	Benzo(e)pyrene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
64	Benzo(b)flouoranthene	9.91E-08	lb/MMBtu	1.10E-07	2.74E-09	1.10E-07	2.74E-09
65	Benzo(g,h,I)perylene	4.89E-07	lb/MMBtu	5.41E-07	1.35E-08	5.41E-07	1.35E-08
66	Benzo(k)fluoranthene	1.55E-07	lb/MMBtu	1.71E-07	4.29E-09	1.71E-07	4.29E-09
67	Chrysene	3.53E-07	lb/MMBtu	3.90E-07	9.76E-09	3.90E-07	9.76E-09
68	Dibenzo(a,h)anthracene	5.83E-07	lb/MMBtu	6.45E-07	1.61E-08	6.45E-07	1.61E-08
69	Fluoranthene	7.61E-06	lb/MMBtu	8.42E-06	2.10E-07	8.42E-06	2.10E-07
70	Fluorene	2.92E-05	lb/MMBtu	3.23E-05	8.07E-07	3.23E-05	8.07E-07
71	Indeno(1,2,3-c,d)pyrene	3.75E-07	lb/MMBtu	4.15E-07	1.04E-08	4.15E-07	1.04E-08
72	Naphthalene	8.48E-05	lb/MMBtu	9.38E-05	2.34E-06	9.38E-05	2.34E-06
73	Perylene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
74	Phenanathrene	2.94E-05	lb/MMBtu	3.25E-05	8.13E-07	3.25E-05	8.13E-07
75	Pyrene	4.78E-06	lb/MMBtu	5.29E-06	1.32E-07	5.29E-06	1.32E-07
77	Arsenic		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
78	Beryllium		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
79	Cadmium		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
80	Chromium		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
81	Chromium VI		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
82	Cobalt		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
83	Lead	9.00E-06	lb/MMBtu	9.95E-06	2.49E-07	9.95E-06	2.49E-07
84	Manganese		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
85	Mercury		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
86	Nickel		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	Selenium		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
88	Zinc		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
89	HAPs (Total)	----		4.29E-03	1.07E-04	4.29E-03	1.07E-04
90	HAPs (Max Individual)	Formaldehyde		1.31E-03	3.26E-05	1.31E-03	3.26E-05
	Greenhouse Gases [(c), (d)]						
15	CO_2	7.40E+01	kg/MMBtu	1.80E+02	4.51E+00	1.80E+02	4.51E+00
16	CH_4	3.00E-03	kg/MMBtu	7.31E-03	1.83E-04	7.31E-03	1.83E-04
17	N_2O	6.00E-04	kg/MMBtu	1.46E-03	3.66E-05	1.46E-03	3.66E-05
	Total CO_2e	----	----	1.81E+02	4.52E+00	1.81E+02	4.52E+00

Notes:

(a) SO2 Emission factor (EF) based on a mass balance of combusted fuel at the specified sulfur content. EF = (weight % S) x (64 lb SO2/lb-mol)/(32 lb S/lb-mol) x (7.2 lb/gal) / (Btu/gal) * (7,000 Btu/hp-hr). All other criteria pollutant EFs from EPA nonroad compression-ignition engine emission standards for specific engine tier and size.

(b) AP-42, Section 3.3, Table 3.3-2 (October 1996)

(c) 40 CFR 98, Subpart C, Table C-1 and Table C-2 Default Emission Factors for Various Types of Fuel, Petroleum products - liquid, Distillate Fuel Oil No.
(d) Calculation of carbon dioxide equivalents based on Global Warming Potentials in IPCC Fourth Assessment Report, 2007 (AR4), consistent with CARB and CalEEMod emissions calculation methodologies.

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Emission Unit Description	Emergency Generator - Existing (Assisted Living)	
Emission Unit Category	Engine | Diesel | <600 hp	
Number of Units	1	
Engine Tier	Tier 1	
Engine Size Category	100 ≤ hp < 175	
Rated Output	154	kW
	207	hp
Brake-Specific Fuel Consumption	7,000	Btu/bhp-hr
Heat Input Rating	1.4	MMBtu/hr
Annual Hours of Operation	8	hr/yr
Daily Hours of Operation	1	hr/day
Load Factor	73	%
Fuel Properties	ULSD	
Higher Heating Value (HHV)	138,000	Btu/gal
Density of Liquid Fuel	7.2	lb/gal
Sulfur Content	0.0015	% wt

Species	Emission Factor	Emission Factor Unit	Emission Rates (lb/hr-unit)	Emission Rates (ton/yr-unit)	Emission Rates (lb/hr)	Emission Rates (ton/yr)
Criteria Pollutants, ROG, & TSP [(a)]						
NO_X	6.90E+00	g/hp-hr	3.15	0.01	3.15	0.01
CO	3.03E+00	g/hp-hr	1.38	0.01	1.38	0.01
ROG	1.14E+00	g/hp-hr	0.52	0.00	0.52	0.00
TSP	9.98E-01	g/hp-hr	0.46	0.00	0.46	0.00
PM_{10}	9.98E-01	g/hp-hr	0.46	0.00	0.46	0.00
$PM_{2.5}$	9.98E-01	g/hp-hr	0.46	0.00	0.46	0.00
SO_2	4.94E-03	g/hp-hr	0.00	0.00	0.00	0.00
Air Toxics/HAPs [(b)]						
1,1,2,2-Tetrachloroethane		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,1-Trichloroethane		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,2-Trichloroethane		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,3-Butadiene	3.91E-05	lb/MMBtu	5.67E-05	2.27E-07	5.67E-05	2.27E-07
1,3-Dichloropropene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,2,4-Trimethylpentane (iso-octane)		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Acetaldehyde	7.67E-04	lb/MMBtu	1.11E-03	4.45E-06	1.11E-03	4.45E-06
Acrolein	9.25E-05	lb/MMBtu	1.34E-04	5.36E-07	1.34E-04	5.36E-07
Benzene	9.33E-04	lb/MMBtu	1.35E-03	5.41E-06	1.35E-03	5.41E-06
Biphenyl		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Carbon Tetrachloride		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Chlorobenzene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Chloroform		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Dichlorobenzene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Dioxins/furans (CDD/CDF) (TEQ)		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ethylbenzene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ethylene Dibromide		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ethylene Dichloride		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Formaldehyde	1.18E-03	lb/MMBtu	1.71E-03	6.84E-06	1.71E-03	6.84E-06
Hexane		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Hydrogen Chloride		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Hydrogen Sulfide		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Methanol		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Methylene Chloride		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Phenol		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Propylene Oxide		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Styrene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Tetrachloroethylene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Tetrachloroethane		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Toluene	4.09E-04	lb/MMBtu	5.93E-04	2.37E-06	5.93E-04	2.37E-06
Trichloroethylene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Vinyl Chloride		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Vinylidene Chloride		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Xylenes (m,p,o)	2.85E-04	lb/MMBtu	4.13E-04	1.65E-06	4.13E-04	1.65E-06
2-Methylnaphthalene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3-Methylchloranthrene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7,12-Dimethylbenz(a)anthracene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Acenaphthene	1.42E-06	lb/MMBtu	2.06E-06	8.23E-09	2.06E-06	8.23E-09
Acenaphthylene	5.06E-06	lb/MMBtu	7.33E-06	2.93E-08	7.33E-06	2.93E-08
Anthracene	1.87E-06	lb/MMBtu	2.71E-06	1.08E-08	2.71E-06	1.08E-08
Benz(a)anthracene	1.68E-06	lb/MMBtu	2.43E-06	9.74E-09	2.43E-06	9.74E-09
Benzo(a)pyrene	1.88E-07	lb/MMBtu	2.72E-07	1.09E-09	2.72E-07	1.09E-09
Benzo(e)pyrene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Benzo(b)flouoranthene	9.91E-08	lb/MMBtu	1.44E-07	5.74E-10	1.44E-07	5.74E-10
Benzo(g,h,I)perylene	4.89E-07	lb/MMBtu	7.09E-07	2.83E-09	7.09E-07	2.83E-09
Benzo(k)fluoranthene	1.55E-07	lb/MMBtu	2.25E-07	8.98E-10	2.25E-07	8.98E-10
Chrysene	3.53E-07	lb/MMBtu	5.11E-07	2.05E-09	5.11E-07	2.05E-09
Dibenzo(a,h)anthracene	5.83E-07	lb/MMBtu	8.45E-07	3.38E-09	8.45E-07	3.38E-09
Fluoranthene	7.61E-06	lb/MMBtu	1.10E-05	4.41E-08	1.10E-05	4.41E-08
Fluorene	2.92E-05	lb/MMBtu	4.23E-05	1.69E-07	4.23E-05	1.69E-07
Indeno(1,2,3-c,d)pyrene	3.75E-07	lb/MMBtu	5.43E-07	2.17E-09	5.43E-07	2.17E-09
Naphthalene	8.48E-05	lb/MMBtu	1.23E-04	4.92E-07	1.23E-04	4.92E-07
Perylene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Phenanathrene	2.94E-05	lb/MMBtu	4.26E-05	1.70E-07	4.26E-05	1.70E-07
Pyrene	4.78E-06	lb/MMBtu	6.93E-06	2.77E-08	6.93E-06	2.77E-08
Arsenic		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Beryllium		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cadmium		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Chromium		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Chromium VI		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cobalt		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Lead	9.00E-06	lb/MMBtu	1.30E-05	5.22E-08	1.30E-05	5.22E-08
Manganese		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Mercury		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Nickel		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Selenium		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Zinc		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HAPs (Total)	----		5.63E-03	2.25E-05	5.63E-03	2.25E-05
HAPs (Max Individual)	Formaldehyde		1.71E-03	6.84E-06	1.71E-03	6.84E-06
Greenhouse Gases [(c), (d)]						
CO_2	7.40E+01	kg/MMBtu	2.36E+02	9.45E-01	2.36E+02	9.45E-01
CH_4	3.00E-03	kg/MMBtu	9.58E-03	3.83E-05	9.58E-03	3.83E-05
N_2O	6.00E-04	kg/MMBtu	1.92E-03	7.67E-06	1.92E-03	7.67E-06
Total CO_2e	----	----	2.37E+02	9.48E-01	2.37E+02	9.48E-01

Notes:

(a) SO2 Emission factor (EF) based on a mass balance of combusted fuel at the specified sulfur content. EF = (weight % S) x (64 lb SO2/lb-mol)/(32 lb S/lb-mol) x (7.2 lb/gal) / (Btu/gal) * (7,000 Btu/hp-hr). All other criteria pollutant EFs from EPA nonroad compression-ignition engine emission standards for specific engine tier and size.

(b) AP-42, Section 3.3, Table 3.3-2 (October 1996)

(c) 40 CFR 98, Subpart C, Table C-1 and Table C-2 Default Emission Factors for Various Types of Fuel, Petroleum products - liquid, Distillate Fuel Oil No.
(d) Calculation of carbon dioxide equivalents based on Global Warming Potentials in IPCC Fourth Assessment Report, 2007 (AR4), consistent with CARB and CalEEMod emissions calculation methodologies.

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Emission Unit Description	Emergency Generator - Existing (Health Care)	
Emission Unit Category	Engine | Diesel | <600 hp	
Number of Units	1	
Engine Tier	Tier 1	
Engine Size Category	175 ≤ hp < 300	
Rated Output	207	kW
	277	hp
Brake-Specific Fuel Consumption	7,000	Btu/bhp-hr
Heat Input Rating	1.9	MMBtu/hr
Annual Hours of Operation	8	hr/yr
Daily Hours of Operation	1	hr/day
Load Factor	73	%
Fuel Properties	ULSD	
Higher Heating Value (HHV)	138,000	Btu/gal
Density of Liquid Fuel	7.2	lb/gal
Sulfur Content	0.0015	% wt

	Species	Emission Factor	Emission Factor Unit	Emission Rates (lb/hr-unit)	Emission Rates (ton/yr-unit)	Emission Rates (lb/hr)	Emission Rates (ton/yr)
	Criteria Pollutants, ROG, & TSP [(a)]						
7	NO_X	6.90E+00	g/hp-hr	4.21	0.02	4.21	0.02
8	CO	8.50E+00	g/hp-hr	5.19	0.02	5.19	0.02
9	ROG	9.10E-01	g/hp-hr	0.56	0.00	0.56	0.00
10	TSP	4.00E-01	g/hp-hr	0.24	0.00	0.24	0.00
11	PM_{10}	4.00E-01	g/hp-hr	0.24	0.00	0.24	0.00
12	$PM_{2.5}$	4.00E-01	g/hp-hr	0.24	0.00	0.24	0.00
13	SO_2	4.94E-03	g/hp-hr	0.00	0.00	0.00	0.00
	Air Toxics/HAPs [(b)]						
19	1,1,2,2-Tetrachloroethane		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	1,1,1-Trichloroethane		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	1,1,2-Trichloroethane		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	1,3-Butadiene	3.91E-05	lb/MMBtu	7.58E-05	3.03E-07	7.58E-05	3.03E-07
23	1,3-Dichloropropene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	2,2,4-Trimethylpentane (iso-octane)		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25	Acetaldehyde	7.67E-04	lb/MMBtu	1.49E-03	5.95E-06	1.49E-03	5.95E-06
26	Acrolein	9.25E-05	lb/MMBtu	1.79E-04	7.17E-07	1.79E-04	7.17E-07
27	Benzene	9.33E-04	lb/MMBtu	1.81E-03	7.24E-06	1.81E-03	7.24E-06
28	Biphenyl		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	Carbon Tetrachloride		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30	Chlorobenzene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
31	Chloroform		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
32	Dichlorobenzene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
33	Dioxins/furans (CDD/CDF) (TEQ)		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	Ethylbenzene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
35	Ethylene Dibromide		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
36	Ethylene Dichloride		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
37	Formaldehyde	1.18E-03	lb/MMBtu	2.29E-03	9.15E-06	2.29E-03	9.15E-06
38	Hexane		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
39	Hydrogen Chloride		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	Hydrogen Sulfide		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
41	Methanol		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
42	Methylene Chloride		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
43	Phenol		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
44	Propylene Oxide		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
45	Styrene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
46	Tetrachloroethylene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
47	Tetrachloroethane		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
48	Toluene	4.09E-04	lb/MMBtu	7.93E-04	3.17E-06	7.93E-04	3.17E-06
49	Trichloroethylene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
50	Vinyl Chloride		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	Vinylidene Chloride		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
52	Xylenes (m,p,o)	2.85E-04	lb/MMBtu	5.53E-04	2.21E-06	5.53E-04	2.21E-06
55	2-Methylnaphthalene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
56	3-Methylchloranthrene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
57	7,12-Dimethylbenz(a)anthracene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
58	Acenaphthene	1.42E-06	lb/MMBtu	2.75E-06	1.10E-08	2.75E-06	1.10E-08
59	Acenaphthylene	5.06E-06	lb/MMBtu	9.81E-06	3.92E-08	9.81E-06	3.92E-08
60	Anthracene	1.87E-06	lb/MMBtu	3.63E-06	1.45E-08	3.63E-06	1.45E-08
61	Benz(a)anthracene	1.68E-06	lb/MMBtu	3.26E-06	1.30E-08	3.26E-06	1.30E-08
62	Benzo(a)pyrene	1.88E-07	lb/MMBtu	3.65E-07	1.46E-09	3.65E-07	1.46E-09
63	Benzo(e)pyrene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
64	Benzo(b)flouoranthene	9.91E-08	lb/MMBtu	1.92E-07	7.69E-10	1.92E-07	7.69E-10
65	Benzo(g,h,I)perylene	4.89E-07	lb/MMBtu	9.48E-07	3.79E-09	9.48E-07	3.79E-09
66	Benzo(k)fluoranthene	1.55E-07	lb/MMBtu	3.01E-07	1.20E-09	3.01E-07	1.20E-09
67	Chrysene	3.53E-07	lb/MMBtu	6.84E-07	2.74E-09	6.84E-07	2.74E-09
68	Dibenzo(a,h)anthracene	5.83E-07	lb/MMBtu	1.13E-06	4.52E-09	1.13E-06	4.52E-09
69	Fluoranthene	7.61E-06	lb/MMBtu	1.48E-05	5.90E-08	1.48E-05	5.90E-08
70	Fluorene	2.92E-05	lb/MMBtu	5.66E-05	2.26E-07	5.66E-05	2.26E-07
71	Indeno(1,2,3-c,d)pyrene	3.75E-07	lb/MMBtu	7.27E-07	2.91E-09	7.27E-07	2.91E-09
72	Naphthalene	8.48E-05	lb/MMBtu	1.64E-04	6.58E-07	1.64E-04	6.58E-07
73	Perylene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
74	Phenanathrene	2.94E-05	lb/MMBtu	5.70E-05	2.28E-07	5.70E-05	2.28E-07
75	Pyrene	4.78E-06	lb/MMBtu	9.27E-06	3.71E-08	9.27E-06	3.71E-08
77	Arsenic		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
78	Beryllium		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
79	Cadmium		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
80	Chromium		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
81	Chromium VI		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
82	Cobalt		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
83	Lead	9.00E-06	lb/MMBtu	1.75E-05	6.98E-08	1.75E-05	6.98E-08
84	Manganese		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
85	Mercury		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
86	Nickel		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	Selenium		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
88	Zinc		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
89	HAPs (Total)	----		7.53E-03	3.01E-05	7.53E-03	3.01E-05
90	HAPs (Max Individual)	Formaldehyde		2.29E-03	9.15E-06	2.29E-03	9.15E-06
	Greenhouse Gases [(c), (d)]						
15	CO_2	7.40E+01	kg/MMBtu	3.16E+02	1.26E+00	3.16E+02	1.26E+00
16	CH_4	3.00E-03	kg/MMBtu	1.28E-02	5.13E-05	1.28E-02	5.13E-05
17	N_2O	6.00E-04	kg/MMBtu	2.56E-03	1.03E-05	2.56E-03	1.03E-05
	Total CO_2e	----	----	3.17E+02	1.27E+00	3.17E+02	1.27E+00

Notes:

(a) SO2 Emission factor (EF) based on a mass balance of combusted fuel at the specified sulfur content. EF = (weight % S) x (64 lb SO2/lb-mol)/(32 lb S/lb-mol) x (7.2 lb/gal) / (Btu/gal) * (7,000 Btu/hp-hr). All other criteria pollutant EFs from EPA nonroad compression-ignition engine emission standards for specific engine tier and size.

(b) AP-42, Section 3.3, Table 3.3-2 (October 1996)

(c) 40 CFR 98, Subpart C, Table C-1 and Table C-2 Default Emission Factors for Various Types of Fuel, Petroleum products - liquid, Distillate Fuel Oil No.
(d) Calculation of carbon dioxide equivalents based on Global Warming Potentials in IPCC Fourth Assessment Report, 2007 (AR4), consistent with CARB and CalEEMod emissions calculation methodologies.

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Emission Unit Description	Emergency Generator - Existing (Independent Living)	
Emission Unit Category	Engine | Diesel | <600 hp	
Number of Units	2	
Engine Tier	Tier 2	
Engine Size Category	175 ≤ hp < 300	
Rated Output	269	kW
	361	hp
Brake-Specific Fuel Consumption	7,000	Btu/bhp-hr
Heat Input Rating	2.5	MMBtu/hr
Annual Hours of Operation	8	hr/yr
Daily Hours of Operation	1	hr/day
Load Factor	73	%
Fuel Properties	ULSD	
Higher Heating Value (HHV)	138,000	Btu/gal
Density of Liquid Fuel	7.2	lb/gal
Sulfur Content	0.0015	% wt

	Species	Emission Factor	Emission Factor Unit	Emission Rates (lb/hr-unit)	Emission Rates (ton/yr-unit)	Emission Rates (lb/hr)	Emission Rates (ton/yr)
	Criteria Pollutants, ROG, & TSP [(a)]						
7	NO_X	4.66E+00	g/hp-hr	3.70	0.01	7.41	0.03
8	CO	2.60E+00	g/hp-hr	2.07	0.01	4.14	0.02
9	ROG	2.45E-01	g/hp-hr	0.19	0.00	0.39	0.00
10	TSP	1.50E-01	g/hp-hr	0.12	0.00	0.24	0.00
11	PM_{10}	1.50E-01	g/hp-hr	0.12	0.00	0.24	0.00
12	$PM_{2.5}$	1.50E-01	g/hp-hr	0.12	0.00	0.24	0.00
13	SO_2	4.94E-03	g/hp-hr	0.00	0.00	0.01	0.00
	Air Toxics/HAPs [(b)]						
19	1,1,2,2-Tetrachloroethane		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	1,1,1-Trichloroethane		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	1,1,2-Trichloroethane		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	1,3-Butadiene	3.91E-05	lb/MMBtu	9.88E-05	3.95E-07	1.98E-04	7.90E-07
23	1,3-Dichloropropene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	2,2,4-Trimethylpentane (iso-octane)		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25	Acetaldehyde	7.67E-04	lb/MMBtu	1.94E-03	7.75E-06	3.88E-03	1.55E-05
26	Acrolein	9.25E-05	lb/MMBtu	2.34E-04	9.35E-07	4.68E-04	1.87E-06
27	Benzene	9.33E-04	lb/MMBtu	2.36E-03	9.43E-06	4.72E-03	1.89E-05
28	Biphenyl		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	Carbon Tetrachloride		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30	Chlorobenzene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
31	Chloroform		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
32	Dichlorobenzene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
33	Dioxins/furans (CDD/CDF) (TEQ)		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	Ethylbenzene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
35	Ethylene Dibromide		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
36	Ethylene Dichloride		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
37	Formaldehyde	1.18E-03	lb/MMBtu	2.98E-03	1.19E-05	5.96E-03	2.39E-05
38	Hexane		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
39	Hydrogen Chloride		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	Hydrogen Sulfide		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
41	Methanol		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
42	Methylene Chloride		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
43	Phenol		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
44	Propylene Oxide		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
45	Styrene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
46	Tetrachloroethylene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
47	Tetrachloroethane		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
48	Toluene	4.09E-04	lb/MMBtu	1.03E-03	4.13E-06	2.07E-03	8.27E-06
49	Trichloroethylene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
50	Vinyl Chloride		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	Vinylidene Chloride		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
52	Xylenes (m,p,o)	2.85E-04	lb/MMBtu	7.20E-04	2.88E-06	1.44E-03	5.76E-06
55	2-Methylnaphthalene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
56	3-Methylchloranthrene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
57	7,12-Dimethylbenz(a)anthracene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
58	Acenaphthene	1.42E-06	lb/MMBtu	3.59E-06	1.44E-08	7.18E-06	2.87E-08
59	Acenaphthylene	5.06E-06	lb/MMBtu	1.28E-05	5.11E-08	2.56E-05	1.02E-07
60	Anthracene	1.87E-06	lb/MMBtu	4.73E-06	1.89E-08	9.45E-06	3.78E-08
61	Benz(a)anthracene	1.68E-06	lb/MMBtu	4.25E-06	1.70E-08	8.49E-06	3.40E-08
62	Benzo(a)pyrene	1.88E-07	lb/MMBtu	4.75E-07	1.90E-09	9.50E-07	3.80E-09
63	Benzo(e)pyrene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
64	Benzo(b)flouoranthene	9.91E-08	lb/MMBtu	2.50E-07	1.00E-09	5.01E-07	2.00E-09
65	Benzo(g,h,I)perylene	4.89E-07	lb/MMBtu	1.24E-06	4.94E-09	2.47E-06	9.89E-09
66	Benzo(k)fluoranthene	1.55E-07	lb/MMBtu	3.92E-07	1.57E-09	7.83E-07	3.13E-09
67	Chrysene	3.53E-07	lb/MMBtu	8.92E-07	3.57E-09	1.78E-06	7.14E-09
68	Dibenzo(a,h)anthracene	5.83E-07	lb/MMBtu	1.47E-06	5.89E-09	2.95E-06	1.18E-08
69	Fluoranthene	7.61E-06	lb/MMBtu	1.92E-05	7.69E-08	3.85E-05	1.54E-07
70	Fluorene	2.92E-05	lb/MMBtu	7.38E-05	2.95E-07	1.48E-04	5.90E-07
71	Indeno(1,2,3-c,d)pyrene	3.75E-07	lb/MMBtu	9.48E-07	3.79E-09	1.90E-06	7.58E-09
72	Naphthalene	8.48E-05	lb/MMBtu	2.14E-04	8.57E-07	4.29E-04	1.71E-06
73	Perylene		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
74	Phenanathrene	2.94E-05	lb/MMBtu	7.43E-05	2.97E-07	1.49E-04	5.94E-07
75	Pyrene	4.78E-06	lb/MMBtu	1.21E-05	4.83E-08	2.42E-05	9.66E-08
77	Arsenic		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
78	Beryllium		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
79	Cadmium		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
80	Chromium		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
81	Chromium VI		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
82	Cobalt		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
83	Lead	9.00E-06	lb/MMBtu	2.27E-05	9.10E-08	4.55E-05	1.82E-07
84	Manganese		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
85	Mercury		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
86	Nickel		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	Selenium		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
88	Zinc		lb/MMBtu	0.00E+00	0.00E+00	0.00E+00	0.00E+00
89	HAPs (Total)	----		9.81E-03	3.92E-05	1.96E-02	7.85E-05
90	HAPs (Max Individual)	Formaldehyde		2.98E-03	1.19E-05	5.96E-03	2.39E-05
	Greenhouse Gases [(c), (d)]						
15	CO_2	7.40E+01	kg/MMBtu	4.12E+02	1.65E+00	8.24E+02	3.30E+00
16	CH_4	3.00E-03	kg/MMBtu	1.67E-02	6.69E-05	3.34E-02	1.34E-04
17	N_2O	6.00E-04	kg/MMBtu	3.34E-03	1.34E-05	6.69E-03	2.67E-05
	Total CO_2e	----	----	4.13E+02	1.65E+00	8.27E+02	3.31E+00

Notes:

(a) SO2 Emission factor (EF) based on a mass balance of combusted fuel at the specified sulfur content. EF = (weight % S) x (64 lb SO2/lb-mol)/(32 lb S/lb-mol) x (7.2 lb/gal) / (Btu/gal) * (7,000 Btu/hp-hr). All other criteria pollutant EFs from EPA nonroad compression-ignition engine emission standards for specific engine tier and size.

(b) AP-42, Section 3.3, Table 3.3-2 (October 1996)

(c) 40 CFR 98, Subpart C, Table C-1 and Table C-2 Default Emission Factors for Various Types of Fuel, Petroleum products - liquid, Distillate Fuel Oil No.
(d) Calculation of carbon dioxide equivalents based on Global Warming Potentials in IPCC Fourth Assessment Report, 2007 (AR4), consistent with CARB and CalEEMod emissions calculation methodologies.

Saratoga Retirement Community Campus Expansion Project
Operational Air Quality and Greenhouse Gas Emissions Summary

Unmitigated	tons/year				
Source	ROG	NOx	PM10 Total	PM2.5 Total	CO2e
Area	0.5429	0.0099	0.0026	0.0026	7
Stationary	0.0037	0.0078	0.0004	0.0004	12
Energy	0.0000	0.0000	0.0000	0.0000	86
Mobile	0.0734	0.0788	0.1693	0.0459	141
Waste	0.0000	0.0000	0.0000	0.0000	29
Water	0.0000	0.0000	0.0000	0.0000	7
Total	0.62	0.10	0.17	0.05	282.87
Threshold	10.00	10.00	15.0000	10.0000	
Exceeds Threshold?	No	No	No	No	

	lbs/day			
Source	ROG	NOx	PM10 Total	PM2.5 Total
Average Daily Emissions	3.40	0.53	0.94	0.27
Threshold	54.00	54.00	82.00	54.00
Exceeds Threshold?	No	No	No	No

UNMIT Operational Greenhouse Gas Emissions		
Year	MT CO2e	
Proposed Project	283	
Amortized Construction GHG Emissions	50	
Total GHG Emissions	333	
Service Population (Pop + Emp)	89	Assumes 1.7 per ILU
Emissions Per SP (MT CO_2e/SP)	3.74	
Threshold (MT CO_2e/SP)	2.88	

UNMIT Operational Greenhouse Gas Emissions	
Year	MT CO2e
Proposed Project	283
Amortized Construction GHG Emissions	58
Total GHG Emissions	341
Service Population (Pop + Emp)	98
Emissions Per SP (MT CO_2e/SP)	3.48
Threshold (MT CO_2e/SP)	2.88

Mitigated	tons/year				
Source	ROG	NOx	PM10 Total	PM2.5 Total	CO2e
Area	0.5429	0.0099	0.0026	0.0026	6.9203
Stationary	0.0037	0.0078	0.0004	0.0004	12.3121
Energy	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0734	0.0788	0.1693	0.0459	141.1382
Waste	0.0000	0.0000	0.0000	0.0000	28.7961
Water	0.0000	0.0000	0.0000	0.0000	4.9010
Total	0.6200	0.0965	0.1723	0.0489	194.0677
Threshold	10.00	10.00	15.0000	10.0000	
Exceeds Threshold?	No	No	No	No	
Daily Emissions (lbs/day?)	3.40	0.53	0.94	0.27	

MIT Operational Greenhouse Gas Emissions		
Year	MT CO2e	
Proposed Project	194	
Amortized Construction GHG Emissions	50	
Total GHG Emissions	244	
Service Population (Pop + Emp)	89	Assumes 1.7 per ILU
Emissions Per SP (MT CO_2e/SP)	2.74	
Threshold (MT CO_2e/SP)	2.88	

MIT Operational Greenhouse Gas Emissions	
Year	MT CO2e
Proposed Project	186
Amortized Construction GHG Emissions	58
Total GHG Emissions	244
Service Population (Pop + Emp)	89
Emissions Per SP (MT CO_2e/SP)	2.74
Threshold (MT CO_2e/SP)	2.88

Saratoga Retirement Community Campus Expansion Project - Energy Consumption Summary

Project: Energy Consumption Summary			
Phase	Energy Requirement	Unit	Annual Energy Consumption (MMBtu)
Construction[1] (amortized over project lifetime)			
Diesel	3,816	Gallons/yr	527
Gasoline	1,224	Gallons/yr	153
		Subtotal	*680*
Building Operations[2]			
Stationary Sources	1,204	Gallons/yr	166
Electrical	924,162	KWh/yr	3,153
Natural Gas	-	kBtu/yr	-
		Subtotal	*3,320*
Operational Transportation[3]			
Electricity	659	KWh/yr	2
Diesel	135	Gallons/yr	19
Gasoline	13,219	Gallons/yr	1,652
		Subtotal	*1,673*
		Total	*5,673*

Notes:

Totals do not add due to rounding.

Source: Modeled by AECOM in 2022

Notes:

1. Construction estimates are based on conversion for CO_2 emissions estimates from CalEEMod to fuel consumption for diesel and gasoline-powered vehicles using U.S. Energy Information Administration 2021 factors.
2. Building operation energy consumption is based on estimated electricity and natural gas demand from CalEEMod. The analysis conservatively does not include the renewable energy generated via the rooftop solar panels.
3. Operational transportation fuel consumption reflects CalEEMod VMT estimate, which incorporates trip generation data provided by the Traffic Study for the Project and the fleet mix for Santa Clara County for a 2025 operational year.

Conversion Factors		
Category	Amount	Units
Diesel (heat content)	5.8	MMBtu/barrel
Motor Gasoline	5.25	MMBtu/barrel
Btu per kWh	3,412	Btu/kWh
Gallons per Barrel	42	gallons/barrel

https://www.theclimateregistry.org/wp-content/uploads/2021/05/2021-Default-Emission-Factor-Document.pdf

CalEEMod Output Electricity and Natural Gas Demand by Land Use	kWh/year	kBTU/year
Health Club	17,498.00	0
Meeting Room	78,732.60	0
Building A	147,847.00	0
Building B	162,632.00	0
Building C	73923.6	0
Parking Garages	443528.7	0

Project Operational Transportation Energy Consumption

Source: EMFAC2021 (v1.0.1) Emissions Inventory
Region Type: County
Region: Santa Clara
Calendar Year: 2025
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	% VMT	Fuel Consumption	Fuel Consumption / Mile	EVMT	Energy Consumption	Energy Consumption / Mile
Santa Clara	2025	HHDT	Aggregate	Aggregate	Gasoline	2.330359	124.9448	0.00%	0.030860449	0.247	0	0	
Santa Clara	2025	HHDT	Aggregate	Aggregate	Diesel	8692.575	1008964	2.14%	169.8966016	0.168	0	0	
Santa Clara	2025	HHDT	Aggregate	Aggregate	Electricity	63.3712	6579.675	0.01%	0	0.000	6579.674935	12135.66329	1.844
Santa Clara	2025	HHDT	Aggregate	Aggregate	Natural Gas	832.405	55779.38	0.12%	10.89533506	0.195	0	0	
Santa Clara	2025	LDA	Aggregate	Aggregate	Gasoline	598860.3	22133915	46.90%	717.2291564	0.032	0	0	
Santa Clara	2025	LDA	Aggregate	Aggregate	Diesel	1620.04	46912.85	0.10%	1.062234444	0.023	0	0	
Santa Clara	2025	LDA	Aggregate	Aggregate	Electricity	61443.19	2670452	5.66%	0	0.000	2670451.983	1031014.87	0.386
Santa Clara	2025	LDA	Aggregate	Aggregate	Plug-in Hybrid	19037.66	825567.7	1.75%	13.59762376	0.016	424554.7527	128228.1891	0.302
Santa Clara	2025	LDT1	Aggregate	Aggregate	Gasoline	51680.86	1664706	3.53%	64.46812681	0.039	0	0	
Santa Clara	2025	LDT1	Aggregate	Aggregate	Diesel	21.28272	302.8258	0.00%	0.012373201	0.041	0	0	
Santa Clara	2025	LDT1	Aggregate	Aggregate	Electricity	234.4578	9323.704	0.02%	0	0.000	9323.703781	3599.719187	0.386
Santa Clara	2025	LDT1	Aggregate	Aggregate	Plug-in Hybrid	98.13198	4519.182	0.01%	0.066873444	0.015	2557.896237	772.560901	0.302
Santa Clara	2025	LDT2	Aggregate	Aggregate	Gasoline	290874.7	10447706	22.14%	416.8590541	0.040	0	0	
Santa Clara	2025	LDT2	Aggregate	Aggregate	Diesel	1049.952	38652.34	0.08%	1.145644126	0.030	0	0	
Santa Clara	2025	LDT2	Aggregate	Aggregate	Electricity	2157.059	73663.77	0.16%	0	0.000	73663.77305	28440.2962	0.386
Santa Clara	2025	LDT2	Aggregate	Aggregate	Plug-in Hybrid	2561.885	112327.2	0.24%	1.755370986	0.016	61059.7762	18441.87229	0.302
Santa Clara	2025	LHDT1	Aggregate	Aggregate	Gasoline	19422.46	728337	1.54%	73.54932741	0.101	0	0	
Santa Clara	2025	LHDT1	Aggregate	Aggregate	Diesel	10387.1	408019.3	0.86%	25.36663199	0.062	0	0	
Santa Clara	2025	LHDT1	Aggregate	Aggregate	Electricity	196.402	13079.06	0.03%	0	0.000	13079.06139	8564.08458	0.655
Santa Clara	2025	LHDT2	Aggregate	Aggregate	Gasoline	2512.652	91345.05	0.19%	10.3915741	0.114	0	0	
Santa Clara	2025	LHDT2	Aggregate	Aggregate	Diesel	4837.236	188645	0.40%	14.03711289	0.074	0	0	
Santa Clara	2025	LHDT2	Aggregate	Aggregate	Electricity	50.46202	3193.251	0.01%	0	0.000	3193.250687	2059.664526	0.645
Santa Clara	2025	MCY	Aggregate	Aggregate	Gasoline	28484.89	166414.5	0.35%	3.935703795	0.024	0	0	
Santa Clara	2025	MDV	Aggregate	Aggregate	Gasoline	159532.2	5551044	11.76%	268.773186	0.048	0	0	
Santa Clara	2025	MDV	Aggregate	Aggregate	Diesel	2421.364	85326.8	0.18%	3.356576548	0.039	0	0	
Santa Clara	2025	MDV	Aggregate	Aggregate	Electricity	2274.547	77934.96	0.17%	0	0.000	77934.95958	30089.32672	0.386
Santa Clara	2025	MDV	Aggregate	Aggregate	Plug-in Hybrid	1542.366	64484.39	0.14%	1.036160565	0.016	34651.17882	10465.68877	0.302
Santa Clara	2025	MH	Aggregate	Aggregate	Gasoline	2337.876	21506.19	0.05%	4.868152107	0.226	0	0	
Santa Clara	2025	MH	Aggregate	Aggregate	Diesel	994.5437	9603.893	0.02%	1.023611178	0.107	0	0	
Santa Clara	2025	MHDT	Aggregate	Aggregate	Gasoline	1412.263	72039.87	0.15%	14.86404823	0.206	0	0	
Santa Clara	2025	MHDT	Aggregate	Aggregate	Diesel	10548.06	435100.6	0.92%	51.21452632	0.118	0	0	
Santa Clara	2025	MHDT	Aggregate	Aggregate	Electricity	90.80851	4838.906	0.01%	0	0.000	4838.905804	5314.414235	1.098
Santa Clara	2025	MHDT	Aggregate	Aggregate	Natural Gas	98.90628	4590.307	0.01%	0.639248705	0.139	0	0	
Santa Clara	2025	OBUS	Aggregate	Aggregate	Gasoline	430.7023	18962.49	0.04%	3.894965109	0.205	0	0	
Santa Clara	2025	OBUS	Aggregate	Aggregate	Diesel	921.4116	62304.89	0.13%	7.863872159	0.126	0	0	
Santa Clara	2025	OBUS	Aggregate	Aggregate	Electricity	2.672031	221.771	0.00%	0	0.000	221.7710452	245.6883854	1.108
Santa Clara	2025	OBUS	Aggregate	Aggregate	Natural Gas	8.125306	537.7468	0.00%	0.06891806	0.128	0	0	
Santa Clara	2025	SBUS	Aggregate	Aggregate	Gasoline	178.2436	8812.851	0.02%	0.884174332	0.100	0	0	
Santa Clara	2025	SBUS	Aggregate	Aggregate	Diesel	673.2048	15283.75	0.03%	1.862553606	0.122	0	0	
Santa Clara	2025	SBUS	Aggregate	Aggregate	Electricity	4.481168	145.0761	0.00%	0	0.000	145.0761128	152.8312421	1.053
Santa Clara	2025	SBUS	Aggregate	Aggregate	Natural Gas	25.28439	627.586	0.00%	0.11324485	0.180	0	0	
Santa Clara	2025	UBUS	Aggregate	Aggregate	Gasoline	46.21918	4826.658	0.01%	0.520234127	0.108	0	0	
Santa Clara	2025	UBUS	Aggregate	Aggregate	Diesel	405.3675	44987.37	0.10%	4.969752064	0.110	0	0	
Santa Clara	2025	UBUS	Aggregate	Aggregate	Electricity	23.31202	2427.54	0.01%	0	0.000	2427.539875	4231.79461	1.743
Santa Clara	2025	UBUS	Aggregate	Aggregate	Natural Gas	58.16247	6762.418	0.01%	1.135485153	0.168	0	0	
								100.00%					

Total Annual VMT: 455,257

% VMT by Fuel:	
Diesel	5%
Gasoline	87%
Natural Gas	0%
Electricity	6%
Plug-in Hybrid	2%
	100.00%

Weighted Average Fuel Consumption:		Unit
Diesel	0.005971734	gal/mi
Gasoline	0.033486723	gal/mi
Natural Gas	0.000272346	gal/mi
Electricity	0.023857319	kWh/mi
Plug-in Hybrid	0.000348712	gal/mi

Fuel/Energy Use by Type		Unit
Diesel	135.04	gal/year
Gasoline	13,215.93	gal/year
Natural Gas	0.18	gal/year
Electricity	658.67	kWh/year
Plug-in Hybrid	3.39	gal/year

*Note that natural gas consumption is negligible an not accounted for in summary tab. Plug-in Hybrid is summed with Gasoline in Summary Tab.
Total Annual VMT is based on CalEEMod VMT estimate.

Note that grey highlighted columns indicated calculations using EMFAC data, not data output from EMFAC.

Construction-Related Energy Consumption

Saratoga Retirement Community Expansion Project: Fuel Consumption, Total and Amortized over 30 Years				
Source	MT CO_2 [a]	Fuel Type	Factor (MT CO_2/gallon) [b]	Gallons
Offroad Equipment	1,032	Diesel	0.01019	101,243
Hauling	64	Diesel	0.01019	6,295
Vendor	71	Diesel	0.01019	6,937
Worker	312	Gas	0.00850	36,720
Total Gallons			Diesel	114,475
			Gasoline	36,720
Amortized Demands (over 30 years)			Diesel	3,816
			Gasoline	1,224
Notes:				
Sources: [a] Modeled by AECOM in 2022 [b] U.S. Energy Information Administration 2021 (https://www.eia.gov/environment/emissions/co2_vol_mass.php)				

Amortization period (yrs): 30

Factor	MT/gallon
Diesel	1.02E-02
Gasoline	8.50E-03

Operational Energy Consumption

Source	MT CO_2 [a]	Fuel Type	Factor (MT CO_2/gallon) [b]	Gallons
Emergency Generator	12	Diesel	0.01019	1,204

Saratoga Retirement Community Campus Expansion Alt 1 - Construction - Santa Clara County, Annual

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

Saratoga Retirement Community Campus Expansion Alt 1 - Construction

Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Retirement Community	52.00	Dwelling Unit	2.14	93,200.00	52
Congregate Care (Assisted Living)	40.00	Dwelling Unit	0.92	39,893.00	40
Enclosed Parking with Elevator	119.00	Space	0.00	35,000.00	0
Enclosed Parking with Elevator	77.00	Space	0.00	29,250.00	0
Health Club	1.07	1000sqft	0.02	1,065.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2031
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Land uses for Alternative 2

Construction Phase - Alt 2 construction schedule.

Off-road Equipment - Default demolition equipment.

Off-road Equipment - Equipment accounted in overall building construction phase.

Off-road Equipment - Average hours per day

Off-road Equipment - Accounted for in overall BC phase.

Off-road Equipment - Accounted for in overall phase.

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Off-road Equipment - Alt 2 specific equipment - average hours per day.

Off-road Equipment - Accounted for in overall phase.

Off-road Equipment - Alt 2 specific equipment - average hours per day

Off-road Equipment - Accounted for in overall phase.

Grading - Based on estimated material export.

Demolition - Based on approx. 12,774 CY of demo debris and 0.24 ton/CY.

Trips and VMT - Alt 2 specific worker trips and haul truck trips.

Vehicle Trips - Mobile sources calculated separately.

Woodstoves - Operations calculated separately.

Area Coating - Operations calculated separately.

Energy Use - Operations calculated separately.

Water And Wastewater - Operations calculated separately.

Solid Waste - Operations calculated separately.

Construction Off-road Equipment Mitigation - Assumes implementation of BAAQMD Fugitive Dust Control and accounts for anticipated electrical equipment.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	533	0
tblAreaCoating	Area_Nonresidential_Interior	1598	0
tblAreaCoating	Area_Parking	3855	0
tblAreaCoating	Area_Residential_Exterior	89838	0
tblAreaCoating	Area_Residential_Interior	269513	0
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstructionPhase	NumDays	18.00	755.00
tblConstructionPhase	NumDays	230.00	755.00
tblConstructionPhase	NumDays	20.00	51.00
tblConstructionPhase	NumDays	8.00	755.00

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

tblConstructionPhase	NumDays	8.00	703.00
tblConstructionPhase	NumDays	230.00	703.00
tblConstructionPhase	NumDays	18.00	703.00
tblConstructionPhase	NumDays	230.00	703.00
tblConstructionPhase	NumDays	230.00	703.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	9/24/2026	12/31/2027
tblConstructionPhase	PhaseEndDate	8/5/2026	12/31/2027
tblConstructionPhase	PhaseEndDate	8/29/2025	3/30/2028
tblConstructionPhase	PhaseEndDate	9/17/2025	12/31/2027
tblConstructionPhase	PhaseStartDate	9/1/2026	8/4/2025
tblConstructionPhase	PhaseStartDate	9/18/2025	8/4/2025
tblConstructionPhase	PhaseStartDate	8/4/2025	2/1/2028
tblConstructionPhase	PhaseStartDate	9/6/2025	8/4/2025
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	LightingElect	3.08	0.00
tblEnergyUse	LightingElect	1,001.10	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	0.19	0.00
tblEnergyUse	NT24E	3.70	0.00

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

tblEnergyUse	NT24E	3,172.76	0.00
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	NT24NG	6.67	0.00
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	T24E	70.89	0.00
tblEnergyUse	T24E	3.50	0.00
tblEnergyUse	T24E	1.32	0.00
tblEnergyUse	T24E	77.89	0.00
tblEnergyUse	T24NG	5,226.68	0.00
tblEnergyUse	T24NG	19.51	0.00
tblEnergyUse	T24NG	6,712.79	0.00
tblFireplaces	NumberGas	6.00	0.00
tblFireplaces	NumberGas	7.80	0.00
tblFireplaces	NumberWood	6.80	0.00
tblFireplaces	NumberWood	8.84	0.00
tblGrading	AcresOfGrading	0.00	8.00
tblGrading	AcresOfGrading	0.00	703.00
tblGrading	MaterialExported	0.00	6,380.00
tblGrading	MaterialExported	0.00	22,728.00
tblLandUse	LandUseSquareFeet	52,000.00	93,200.00
tblLandUse	LandUseSquareFeet	40,000.00	39,893.00
tblLandUse	LandUseSquareFeet	47,600.00	35,000.00
tblLandUse	LandUseSquareFeet	30,800.00	29,250.00
tblLandUse	LotAcreage	10.40	2.14
tblLandUse	LotAcreage	2.50	0.92
tblLandUse	LotAcreage	1.07	0.00
tblLandUse	LotAcreage	0.69	0.00
tblLandUse	Population	149.00	52.00
tblLandUse	Population	114.00	40.00

Saratoga Retirement Community Campus Expansion Alt 1 - Construction - Santa Clara County, Annual

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

tblOffRoadEquipment	HorsePower	231.00	408.00
tblOffRoadEquipment	HorsePower	89.00	110.00
tblOffRoadEquipment	HorsePower	84.00	40.00
tblOffRoadEquipment	HorsePower	46.00	24.00
tblOffRoadEquipment	HorsePower	231.00	408.00
tblOffRoadEquipment	HorsePower	231.00	408.00
tblOffRoadEquipment	HorsePower	89.00	110.00
tblOffRoadEquipment	HorsePower	89.00	110.00
tblOffRoadEquipment	HorsePower	84.00	40.20
tblOffRoadEquipment	HorsePower	84.00	40.20
tblOffRoadEquipment	HorsePower	46.00	24.20
tblOffRoadEquipment	HorsePower	46.00	24.20
tblOffRoadEquipment	HorsePower	78.00	49.00
tblOffRoadEquipment	HorsePower	221.00	100.00
tblOffRoadEquipment	HorsePower	247.00	215.00
tblOffRoadEquipment	HorsePower	158.00	273.00
tblOffRoadEquipment	HorsePower	8.00	157.00
tblOffRoadEquipment	HorsePower	130.00	74.80
tblOffRoadEquipment	HorsePower	132.00	74.00
tblOffRoadEquipment	HorsePower	80.00	74.00
tblOffRoadEquipment	HorsePower	65.00	74.30
tblOffRoadEquipment	HorsePower	64.00	99.00
tblOffRoadEquipment	HorsePower	78.00	49.00
tblOffRoadEquipment	HorsePower	221.00	100.00
tblOffRoadEquipment	HorsePower	247.00	215.00
tblOffRoadEquipment	HorsePower	158.00	273.00
tblOffRoadEquipment	HorsePower	8.00	157.00
tblOffRoadEquipment	HorsePower	130.00	74.80
tblOffRoadEquipment	HorsePower	132.00	74.00

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

tblOffRoadEquipment	HorsePower	80.00	74.00
tblOffRoadEquipment	HorsePower	65.00	74.30
tblOffRoadEquipment	HorsePower	64.00	99.00
tblOffRoadEquipment	HorsePower	78.00	49.00
tblOffRoadEquipment	HorsePower	247.00	215.00
tblOffRoadEquipment	HorsePower	158.00	273.00
tblOffRoadEquipment	HorsePower	8.00	157.00
tblOffRoadEquipment	HorsePower	130.00	74.80
tblOffRoadEquipment	HorsePower	132.00	74.00
tblOffRoadEquipment	HorsePower	80.00	74.00
tblOffRoadEquipment	HorsePower	65.00	74.30
tblOffRoadEquipment	HorsePower	64.00	99.00
tblOffRoadEquipment	LoadFactor	0.31	0.31
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.40	0.40
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.42	0.42
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.46	0.46
tblOffRoadEquipment	LoadFactor	0.31	0.31
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.40	0.40
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.42	0.42
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37

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

tblOffRoadEquipment	LoadFactor	0.46	0.46
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Dozers
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Pavers
tblOffRoadEquipment	OffRoadEquipmentType		Paving Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Dozers
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Pavers
tblOffRoadEquipment	OffRoadEquipmentType		Paving Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Dozers

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

tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Pavers
tblOffRoadEquipment	OffRoadEquipmentType		Paving Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00

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

tblOffRoadEquipment	UsageHours	7.00	0.26
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	8.83
tblOffRoadEquipment	UsageHours	8.00	4.05
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	1.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.30
tblOffRoadEquipment	UsageHours	7.00	0.80
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	8.80
tblOffRoadEquipment	UsageHours	8.00	17.10
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	4.10
tblOffRoadEquipment	UsageHours	8.00	7.70
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	1.00
tblOffRoadEquipment	UsageHours	8.00	2.90
tblOffRoadEquipment	UsageHours	8.00	0.00

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

tblSolidWaste	SolidWasteGenerationRate	36.50	0.00
tblSolidWaste	SolidWasteGenerationRate	6.04	0.00
tblSolidWaste	SolidWasteGenerationRate	23.92	0.00
tblTripsAndVMT	HaulingTripLength	20.00	10.20
tblTripsAndVMT	HaulingTripLength	20.00	10.20
tblTripsAndVMT	HaulingTripNumber	303.00	1,597.00
tblTripsAndVMT	VendorTripNumber	21.00	2.00
tblTripsAndVMT	VendorTripNumber	21.00	0.00
tblTripsAndVMT	VendorTripNumber	21.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	40.00
tblTripsAndVMT	WorkerTripNumber	94.00	92.00
tblTripsAndVMT	WorkerTripNumber	19.00	0.00
tblTripsAndVMT	WorkerTripNumber	19.00	0.00
tblTripsAndVMT	WorkerTripNumber	94.00	100.00
tblTripsAndVMT	WorkerTripNumber	94.00	0.00
tblTripsAndVMT	WorkerTripNumber	94.00	0.00
tblVehicleTrips	ST_TR	2.93	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	2.03	0.00
tblVehicleTrips	SU_TR	3.15	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	1.95	0.00
tblVehicleTrips	WD_TR	2.60	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	2.40	0.00
tblWater	IndoorWaterUseRate	2,606,161.02	0.00
tblWater	IndoorWaterUseRate	62,691.73	0.00
tblWater	IndoorWaterUseRate	3,388,009.33	0.00
tblWater	OutdoorWaterUseRate	1,643,014.56	0.00

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

tblWater	OutdoorWaterUseRate	38,423.97	0.00
tblWater	OutdoorWaterUseRate	2,135,918.93	0.00
tblWoodstoves	NumberCatalytic	0.80	0.00
tblWoodstoves	NumberCatalytic	1.04	0.00
tblWoodstoves	NumberNoncatalytic	0.80	0.00
tblWoodstoves	NumberNoncatalytic	1.04	0.00

2.0 Emissions Summary

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					
2025	0.2096	0.3378	0.5151	1.1300e-003	0.0531	0.0123	0.0654	0.0134	0.0115	0.0249	0.0000	99.2483	99.2483	0.0182	1.5700e-003	100.1707
2026	0.5069	0.8177	1.2342	2.7200e-003	0.1223	0.0298	0.1521	0.0319	0.0278	0.0597	0.0000	238.1370	238.1370	0.0440	3.6600e-003	240.3265
2027	0.5054	0.8160	1.2208	2.6900e-003	0.1223	0.0298	0.1521	0.0319	0.0278	0.0597	0.0000	235.6759	235.6759	0.0439	3.5200e-003	237.8222
2028	0.5635	2.3381	2.9008	6.3600e-003	0.5421	0.0819	0.6239	0.0819	0.0765	0.1584	0.0000	560.5466	560.5466	0.1137	0.0172	568.4994
2029	0.6731	2.3171	3.1362	6.4500e-003	0.5253	0.0788	0.6041	0.0812	0.0738	0.1550	0.0000	562.7589	562.7589	0.1168	0.0132	569.6068
2030	0.3429	0.8933	1.5785	3.5600e-003	0.4490	0.0157	0.4646	0.0606	0.0156	0.0763	0.0000	310.6879	310.6879	0.0111	6.3700e-003	312.8656
Maximum	**0.6731**	**2.3381**	**3.1362**	**6.4500e-003**	**0.5421**	**0.0819**	**0.6239**	**0.0819**	**0.0765**	**0.1584**	**0.0000**	**562.7589**	**562.7589**	**0.1168**	**0.0172**	**569.6068**

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

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2025	0.2065	0.2946	0.4290	1.0000e-003	0.0506	0.0115	0.0621	0.0132	0.0107	0.0239	0.0000	87.5708	87.5708	0.0145	1.5700e-003	88.4013
2026	0.4993	0.7129	1.0254	2.3900e-003	0.1198	0.0278	0.1476	0.0316	0.0260	0.0576	0.0000	209.8034	209.8034	0.0351	3.6600e-003	211.7698
2027	0.4977	0.7112	1.0120	2.3600e-003	0.1198	0.0278	0.1476	0.0316	0.0259	0.0575	0.0000	207.3423	207.3423	0.0349	3.5200e-003	209.2654
2028	0.5432	2.0654	2.3612	5.5100e-003	0.3183	0.0766	0.3949	0.0569	0.0716	0.1285	0.0000	487.2982	487.2982	0.0907	0.0172	494.6761
2029	0.6462	1.9540	2.4175	5.3300e-003	0.3196	0.0719	0.3915	0.0590	0.0673	0.1263	0.0000	465.1983	465.1983	0.0862	0.0132	471.2805
2030	0.3199	0.6977	1.2027	2.8800e-003	0.2432	0.0111	0.2544	0.0384	0.0111	0.0495	0.0000	252.9574	252.9574	9.2400e-003	6.3700e-003	255.0881
Maximum	**0.6462**	**2.0654**	**2.4175**	**5.5100e-003**	**0.3196**	**0.0766**	**0.3949**	**0.0590**	**0.0716**	**0.1285**	**0.0000**	**487.2982**	**487.2982**	**0.0907**	**0.0172**	**494.6761**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**3.16**	**14.42**	**20.20**	**15.02**	**35.44**	**8.65**	**32.21**	**23.36**	**8.75**	**16.98**	**0.00**	**14.79**	**14.79**	**22.16**	**0.00**	**14.72**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**8-4-2025**	**11-3-2025**	0.3349	0.3066
2	**11-4-2025**	**2-3-2026**	0.3356	0.3073
3	**2-4-2026**	**5-3-2026**	0.3235	0.2961
4	**5-4-2026**	**8-3-2026**	0.3334	0.3051
5	**8-4-2026**	**11-3-2026**	0.3340	0.3056

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

6	**11-4-2026**	**2-3-2027**	0.3347	0.3063
7	**2-4-2027**	**5-3-2027**	0.3227	0.2952
8	**5-4-2027**	**8-3-2027**	0.3326	0.3042
9	**8-4-2027**	**11-3-2027**	0.3331	0.3048
10	**11-4-2027**	**2-3-2028**	0.2436	0.2258
11	**2-4-2028**	**5-3-2028**	0.8863	0.8511
12	**5-4-2028**	**8-3-2028**	0.7529	0.6547
13	**8-4-2028**	**11-3-2028**	0.7543	0.6561
14	**11-4-2028**	**2-3-2029**	0.7563	0.6580
15	**2-4-2029**	**5-3-2029**	0.7294	0.6343
16	**5-4-2029**	**8-3-2029**	0.7516	0.6533
17	**8-4-2029**	**11-3-2029**	0.7530	0.6547
18	**11-4-2029**	**2-3-2030**	0.7094	0.6063
19	**2-4-2030**	**5-3-2030**	0.6090	0.5014
20	**5-4-2030**	**8-3-2030**	0.3886	0.3197
		Highest	0.8863	0.8511

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5487	7.8700e-003	0.6831	4.0000e-005		3.7900e-003	3.7900e-003		3.7900e-003	3.7900e-003	0.0000	1.1194	1.1194	1.0700e-003	0.0000	1.1462
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.5487**	**7.8700e-003**	**0.6831**	**4.0000e-005**	**0.0000**	**3.7900e-003**	**3.7900e-003**	**0.0000**	**3.7900e-003**	**3.7900e-003**	**0.0000**	**1.1194**	**1.1194**	**1.0700e-003**	**0.0000**	**1.1462**

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5487	7.8700e-003	0.6831	4.0000e-005		3.7900e-003	3.7900e-003		3.7900e-003	3.7900e-003	0.0000	1.1194	1.1194	1.0700e-003	0.0000	1.1462
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.5487**	**7.8700e-003**	**0.6831**	**4.0000e-005**	**0.0000**	**3.7900e-003**	**3.7900e-003**	**0.0000**	**3.7900e-003**	**3.7900e-003**	**0.0000**	**1.1194**	**1.1194**	**1.0700e-003**	**0.0000**	**1.1462**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	Phase 3 - Demo HC	Demolition	2/1/2028	3/30/2028	6	51	
2	Phase 1 SNF - Grading	Grading	8/4/2025	12/31/2027	6	755	
3	Phase 1 SNF - BC	Building Construction	8/4/2025	12/31/2027	6	755	

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

4	Phase 1 SNF - AC	Architectural Coating	8/4/2025	12/31/2027	6	755	
5	Phase 4 Building D - Grading	Grading	4/1/2028	6/29/2030	6	703	
6	Phase 4 Building D - BC	Building Construction	4/1/2028	6/29/2030	6	703	
7	Phase 4 Building D - AC	Architectural Coating	4/1/2028	6/29/2030	6	703	
8	Phase 4 Fitness - BC	Building Construction	4/1/2028	6/29/2030	6	703	
9	Phase 4 Fitness - AC	Building Construction	4/1/2028	6/29/2030	6	703	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 8

Acres of Paving: 0

Residential Indoor: 269,513; Residential Outdoor: 89,838; Non-Residential Indoor: 1,598; Non-Residential Outdoor: 533; Striped Parking Area: 3,855 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Phase 1 SNF - AC	Air Compressors	0	0.00	78	0.48
Phase 4 Building D - AC	Air Compressors	0	0.00	78	0.48
Phase 3 - Demo HC	Concrete/Industrial Saws	1	8.00	81	0.73
Phase 1 SNF - BC	Cranes	1	0.26	408	0.29
Phase 3 - Demo HC	Excavators	3	8.00	158	0.38
Phase 1 SNF - Grading	Excavators	0	0.00	158	0.38
Phase 1 SNF - BC	Forklifts	1	8.83	110	0.20
Phase 1 SNF - BC	Generator Sets	1	4.05	40	0.74
Phase 1 SNF - Grading	Graders	0	0.00	187	0.41
Phase 4 Building D - BC	Cranes	1	0.30	408	0.29
Phase 4 Fitness - BC	Cranes	1	0.80	408	0.29
Phase 4 Fitness - AC	Cranes	0	0.00	231	0.29
Phase 3 - Demo HC	Rubber Tired Dozers	2	8.00	247	0.40
Phase 1 SNF - Grading	Rubber Tired Dozers	0	0.00	247	0.40

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

Phase 4 Building D - Grading	Excavators	0	0.00	158	0.38
Phase 1 SNF - BC	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Phase 1 SNF - Grading	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Phase 4 Building D - BC	Forklifts	1	8.80	110	0.20
Phase 4 Fitness - BC	Forklifts	1	17.10	110	0.20
Phase 1 SNF - BC	Welders	1	1.00	24	0.45
Phase 4 Fitness - AC	Forklifts	0	0.00	89	0.20
Phase 4 Building D - BC	Generator Sets	1	4.10	40.2	0.74
Phase 4 Fitness - BC	Generator Sets	1	7.70	40.2	0.74
Phase 4 Fitness - AC	Generator Sets	0	0.00	84	0.74
Phase 4 Building D - Grading	Graders	0	0.00	187	0.41
Phase 4 Building D - Grading	Rubber Tired Dozers	0	0.00	247	0.40
Phase 4 Building D - BC	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Phase 4 Fitness - BC	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Phase 4 Fitness - AC	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Phase 4 Building D - Grading	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Phase 4 Building D - BC	Welders	1	1.00	24.2	0.45
Phase 4 Fitness - BC	Welders	1	2.90	24.2	0.45
Phase 4 Fitness - AC	Welders	0	0.00	46	0.45
Phase 1 SNF - BC	Aerial Lifts	1	9.50	63	0.31
Phase 1 SNF - BC	Air Compressors	1	0.10	49	0.48
Phase 1 SNF - BC	Bore/Drill Rigs	1	0.50	100	0.50
Phase 1 SNF - BC	Cement and Mortar Mixers	1	1.20	9	0.56
Phase 1 SNF - BC	Rubber Tired Dozers	1	1.30	215	0.40
Phase 1 SNF - BC	Excavators	1	1.30	273	0.38
Phase 1 SNF - BC	Plate Compactors	1	0.10	157	0.43
Phase 1 SNF - BC	Pavers	1	0.10	74.8	0.42
Phase 1 SNF - BC	Paving Equipment	1	0.10	74	0.36
Phase 1 SNF - BC	Rollers	1	0.10	74	0.38

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

Phase 1 SNF - BC	Skid Steer Loaders	1	4.60	74.3	0.37
Phase 1 SNF - BC	Sweepers/Scrubbers	1	0.50	99	0.46
Phase 4 Building D - BC	Aerial Lifts	1	9.50	63	0.31
Phase 4 Building D - BC	Air Compressors	1	0.10	49	0.48
Phase 4 Building D - BC	Bore/Drill Rigs	1	0.50	100	0.50
Phase 4 Building D - BC	Cement and Mortar Mixers	1	1.20	9	0.56
Phase 4 Building D - BC	Rubber Tired Dozers	1	1.30	215	0.40
Phase 4 Building D - BC	Excavators	1	1.30	273	0.38
Phase 4 Building D - BC	Plate Compactors	1	0.10	157	0.43
Phase 4 Building D - BC	Pavers	1	0.10	74.8	0.42
Phase 4 Building D - BC	Paving Equipment	1	0.10	74	0.36
Phase 4 Building D - BC	Rollers	1	0.10	74	0.38
Phase 4 Building D - BC	Skid Steer Loaders	1	4.60	74.3	0.37
Phase 4 Building D - BC	Sweepers/Scrubbers	1	0.50	99	0.46
Phase 4 Fitness - BC	Aerial Lifts	1	22.90	63	0.31
Phase 4 Fitness - BC	Air Compressors	1	0.10	49	0.48
Phase 4 Fitness - BC	Cement and Mortar Mixers	1	3.50	9	0.56
Phase 4 Fitness - BC	Rubber Tired Dozers	1	0.50	215	0.40
Phase 4 Fitness - BC	Excavators	1	0.50	273	0.38
Phase 4 Fitness - BC	Plate Compactors	1	0.30	157	0.43
Phase 4 Fitness - BC	Pavers	1	0.10	74.8	0.42
Phase 4 Fitness - BC	Paving Equipment	1	0.10	74	0.36
Phase 4 Fitness - BC	Rollers	1	0.10	74	0.38
Phase 4 Fitness - BC	Skid Steer Loaders	1	12.60	74.3	0.37
Phase 4 Fitness - BC	Sweepers/Scrubbers	1	1.00	99	0.46

Trips and VMT

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

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
Phase 3 - Demo HC	6	40.00	0.00	1,597.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 4 Building D - Grading	0	0.00	0.00	2,841.00	10.80	7.30	10.20	LD_Mix	HDT_Mix	HHDT
Phase 1 SNF - Grading	0	0.00	0.00	798.00	10.80	7.30	10.20	LD_Mix	HDT_Mix	HHDT
Phase 1 SNF - BC	16	92.00	2.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 4 Building D - BC	16	100.00	21.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1 SNF - AC	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 4 Building D - AC	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 4 Fitness - BC	15	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 4 Fitness - AC	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Water Exposed Area

3.2 Phase 3 - Demo HC - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0328	0.0000	0.0328	4.9700e-003	0.0000	4.9700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0534	0.4895	0.4952	9.9000e-004		0.0218	0.0218		0.0202	0.0202	0.0000	86.6940	86.6940	0.0242	0.0000	87.2992
Total	**0.0534**	**0.4895**	**0.4952**	**9.9000e-004**	**0.0328**	**0.0218**	**0.0546**	**4.9700e-003**	**0.0202**	**0.0252**	**0.0000**	**86.6940**	**86.6940**	**0.0242**	**0.0000**	**87.2992**

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

3.2 Phase 3 - Demo HC - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.6200e-003	0.1050	0.0256	4.4000e-004	0.0136	8.7000e-004	0.0144	3.7300e-003	8.3000e-004	4.5600e-003	0.0000	43.1518	43.1518	1.5400e-003	6.8400e-003	45.2295
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9200e-003	1.1100e-003	0.0171	6.0000e-005	8.0900e-003	3.0000e-005	8.1200e-003	2.1500e-003	3.0000e-005	2.1800e-003	0.0000	5.2900	5.2900	1.1000e-004	1.3000e-004	5.3314
Total	**3.5400e-003**	**0.1061**	**0.0427**	**5.0000e-004**	**0.0217**	**9.0000e-004**	**0.0225**	**5.8800e-003**	**8.6000e-004**	**6.7400e-003**	**0.0000**	**48.4417**	**48.4417**	**1.6500e-003**	**6.9700e-003**	**50.5610**

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					0.0148	0.0000	0.0148	2.2400e-003	0.0000	2.2400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0534	0.4895	0.4952	9.9000e-004		0.0218	0.0218		0.0202	0.0202	0.0000	86.6939	86.6939	0.0242	0.0000	87.2991
Total	**0.0534**	**0.4895**	**0.4952**	**9.9000e-004**	**0.0148**	**0.0218**	**0.0365**	**2.2400e-003**	**0.0202**	**0.0224**	**0.0000**	**86.6939**	**86.6939**	**0.0242**	**0.0000**	**87.2991**

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

3.2 Phase 3 - Demo HC - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.6200e-003	0.1050	0.0256	4.4000e-004	0.0136	8.7000e-004	0.0144	3.7300e-003	8.3000e-004	4.5600e-003	0.0000	43.1518	43.1518	1.5400e-003	6.8400e-003	45.2295
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9200e-003	1.1100e-003	0.0171	6.0000e-005	8.0900e-003	3.0000e-005	8.1200e-003	2.1500e-003	3.0000e-005	2.1800e-003	0.0000	5.2900	5.2900	1.1000e-004	1.3000e-004	5.3314
Total	**3.5400e-003**	**0.1061**	**0.0427**	**5.0000e-004**	**0.0217**	**9.0000e-004**	**0.0225**	**5.8800e-003**	**8.6000e-004**	**6.7400e-003**	**0.0000**	**48.4417**	**48.4417**	**1.6500e-003**	**6.9700e-003**	**50.5610**

3.3 Phase 1 SNF - 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	tons/yr										MT/yr					
Fugitive Dust					4.6000e-003	0.0000	4.6000e-003	5.1000e-004	0.0000	5.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**4.6000e-003**	**0.0000**	**4.6000e-003**	**5.1000e-004**	**0.0000**	**5.1000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.3 Phase 1 SNF - Grading - 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	1.0000e-004	5.2900e-003	1.5800e-003	2.0000e-005	5.9000e-004	4.0000e-005	6.3000e-004	1.6000e-004	4.0000e-005	2.0000e-004	0.0000	2.0878	2.0878	7.0000e-005	3.3000e-004	2.1882
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.0000e-004**	**5.2900e-003**	**1.5800e-003**	**2.0000e-005**	**5.9000e-004**	**4.0000e-005**	**6.3000e-004**	**1.6000e-004**	**4.0000e-005**	**2.0000e-004**	**0.0000**	**2.0878**	**2.0878**	**7.0000e-005**	**3.3000e-004**	**2.1882**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.0700e-003	0.0000	2.0700e-003	2.3000e-004	0.0000	2.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**2.0700e-003**	**0.0000**	**2.0700e-003**	**2.3000e-004**	**0.0000**	**2.3000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.3 Phase 1 SNF - Grading - 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	1.0000e-004	5.2900e-003	1.5800e-003	2.0000e-005	5.9000e-004	4.0000e-005	6.3000e-004	1.6000e-004	4.0000e-005	2.0000e-004	0.0000	2.0878	2.0878	7.0000e-005	3.3000e-004	2.1882
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.0000e-004**	**5.2900e-003**	**1.5800e-003**	**2.0000e-005**	**5.9000e-004**	**4.0000e-005**	**6.3000e-004**	**1.6000e-004**	**4.0000e-005**	**2.0000e-004**	**0.0000**	**2.0878**	**2.0878**	**7.0000e-005**	**3.3000e-004**	**2.1882**

3.3 Phase 1 SNF - Grading - 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					
Fugitive Dust					4.6000e-003	0.0000	4.6000e-003	5.1000e-004	0.0000	5.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**4.6000e-003**	**0.0000**	**4.6000e-003**	**5.1000e-004**	**0.0000**	**5.1000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.3 Phase 1 SNF - Grading - 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	2.5000e-004	0.0127	3.8400e-003	5.0000e-005	1.4300e-003	9.0000e-005	1.5300e-003	3.9000e-004	9.0000e-005	4.8000e-004	0.0000	4.9623	4.9623	1.7000e-004	7.9000e-004	5.2010
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.5000e-004**	**0.0127**	**3.8400e-003**	**5.0000e-005**	**1.4300e-003**	**9.0000e-005**	**1.5300e-003**	**3.9000e-004**	**9.0000e-005**	**4.8000e-004**	**0.0000**	**4.9623**	**4.9623**	**1.7000e-004**	**7.9000e-004**	**5.2010**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.0700e-003	0.0000	2.0700e-003	2.3000e-004	0.0000	2.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**2.0700e-003**	**0.0000**	**2.0700e-003**	**2.3000e-004**	**0.0000**	**2.3000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.3 Phase 1 SNF - Grading - 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	2.5000e-004	0.0127	3.8400e-003	5.0000e-005	1.4300e-003	9.0000e-005	1.5300e-003	3.9000e-004	9.0000e-005	4.8000e-004	0.0000	4.9623	4.9623	1.7000e-004	7.9000e-004	5.2010
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.5000e-004**	**0.0127**	**3.8400e-003**	**5.0000e-005**	**1.4300e-003**	**9.0000e-005**	**1.5300e-003**	**3.9000e-004**	**9.0000e-005**	**4.8000e-004**	**0.0000**	**4.9623**	**4.9623**	**1.7000e-004**	**7.9000e-004**	**5.2010**

3.3 Phase 1 SNF - Grading - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.6000e-003	0.0000	4.6000e-003	5.1000e-004	0.0000	5.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**4.6000e-003**	**0.0000**	**4.6000e-003**	**5.1000e-004**	**0.0000**	**5.1000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.3 Phase 1 SNF - Grading - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.5000e-004	0.0126	3.8400e-003	5.0000e-005	1.4300e-003	9.0000e-005	1.5300e-003	3.9000e-004	9.0000e-005	4.8000e-004	0.0000	4.8500	4.8500	1.7000e-004	7.7000e-004	5.0834
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.5000e-004**	**0.0126**	**3.8400e-003**	**5.0000e-005**	**1.4300e-003**	**9.0000e-005**	**1.5300e-003**	**3.9000e-004**	**9.0000e-005**	**4.8000e-004**	**0.0000**	**4.8500**	**4.8500**	**1.7000e-004**	**7.7000e-004**	**5.0834**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.0700e-003	0.0000	2.0700e-003	2.3000e-004	0.0000	2.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**2.0700e-003**	**0.0000**	**2.0700e-003**	**2.3000e-004**	**0.0000**	**2.3000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Campus Expansion Alt 1 - Construction - Santa Clara County, Annual

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

3.3 Phase 1 SNF - Grading - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.5000e-004	0.0126	3.8400e-003	5.0000e-005	1.4300e-003	9.0000e-005	1.5300e-003	3.9000e-004	9.0000e-005	4.8000e-004	0.0000	4.8500	4.8500	1.7000e-004	7.7000e-004	5.0834
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.5000e-004**	**0.0126**	**3.8400e-003**	**5.0000e-005**	**1.4300e-003**	**9.0000e-005**	**1.5300e-003**	**3.9000e-004**	**9.0000e-005**	**4.8000e-004**	**0.0000**	**4.8500**	**4.8500**	**1.7000e-004**	**7.7000e-004**	**5.0834**

3.4 Phase 1 SNF - BC - 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	0.0330	0.3185	0.3959	7.2000e-004		0.0120	0.0120		0.0112	0.0112	0.0000	61.1400	61.1400	0.0172	0.0000	61.5708
Total	**0.0330**	**0.3185**	**0.3959**	**7.2000e-004**		**0.0120**	**0.0120**		**0.0112**	**0.0112**	**0.0000**	**61.1400**	**61.1400**	**0.0172**	**0.0000**	**61.5708**

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

3.4 Phase 1 SNF - BC - 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	1.3000e-004	5.7200e-003	1.7500e-003	3.0000e-005	8.5000e-004	3.0000e-005	8.8000e-004	2.5000e-004	3.0000e-005	2.8000e-004	0.0000	2.4844	2.4844	5.0000e-005	3.6000e-004	2.5940
Worker	0.0131	8.3300e-003	0.1159	3.7000e-004	0.0471	2.1000e-004	0.0473	0.0125	1.9000e-004	0.0127	0.0000	33.5362	33.5362	8.5000e-004	8.7000e-004	33.8178
Total	**0.0132**	**0.0141**	**0.1176**	**4.0000e-004**	**0.0479**	**2.4000e-004**	**0.0482**	**0.0128**	**2.2000e-004**	**0.0130**	**0.0000**	**36.0206**	**36.0206**	**9.0000e-004**	**1.2300e-003**	**36.4118**

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	0.0298	0.2753	0.3098	5.8000e-004		0.0112	0.0112		0.0105	0.0105	0.0000	49.4625	49.4625	0.0136	0.0000	49.8014
Total	**0.0298**	**0.2753**	**0.3098**	**5.8000e-004**		**0.0112**	**0.0112**		**0.0105**	**0.0105**	**0.0000**	**49.4625**	**49.4625**	**0.0136**	**0.0000**	**49.8014**

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

3.4 Phase 1 SNF - BC - 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	1.3000e-004	5.7200e-003	1.7500e-003	3.0000e-005	8.5000e-004	3.0000e-005	8.8000e-004	2.5000e-004	3.0000e-005	2.8000e-004	0.0000	2.4844	2.4844	5.0000e-005	3.6000e-004	2.5940
Worker	0.0131	8.3300e-003	0.1159	3.7000e-004	0.0471	2.1000e-004	0.0473	0.0125	1.9000e-004	0.0127	0.0000	33.5362	33.5362	8.5000e-004	8.7000e-004	33.8178
Total	**0.0132**	**0.0141**	**0.1176**	**4.0000e-004**	**0.0479**	**2.4000e-004**	**0.0482**	**0.0128**	**2.2000e-004**	**0.0130**	**0.0000**	**36.0206**	**36.0206**	**9.0000e-004**	**1.2300e-003**	**36.4118**

3.4 Phase 1 SNF - BC - 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	0.0800	0.7728	0.9606	1.7500e-003		0.0291	0.0291		0.0272	0.0272	0.0000	148.3473	148.3473	0.0418	0.0000	149.3926
Total	**0.0800**	**0.7728**	**0.9606**	**1.7500e-003**		**0.0291**	**0.0291**		**0.0272**	**0.0272**	**0.0000**	**148.3473**	**148.3473**	**0.0418**	**0.0000**	**149.3926**

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

3.4 Phase 1 SNF - BC - 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	3.2000e-004	0.0138	4.1900e-003	6.0000e-005	2.0600e-003	8.0000e-005	2.1400e-003	6.0000e-004	8.0000e-005	6.7000e-004	0.0000	5.9214	5.9214	1.3000e-004	8.6000e-004	6.1823
Worker	0.0301	0.0184	0.2656	8.6000e-004	0.1142	4.9000e-004	0.1147	0.0304	4.5000e-004	0.0308	0.0000	78.9060	78.9060	1.8900e-003	2.0000e-003	79.5506
Total	**0.0304**	**0.0322**	**0.2698**	**9.2000e-004**	**0.1163**	**5.7000e-004**	**0.1168**	**0.0310**	**5.3000e-004**	**0.0315**	**0.0000**	**84.8274**	**84.8274**	**2.0200e-003**	**2.8600e-003**	**85.7329**

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	0.0724	0.6680	0.7517	1.4200e-003		0.0272	0.0272		0.0254	0.0254	0.0000	120.0138	120.0138	0.0329	0.0000	120.8359
Total	**0.0724**	**0.6680**	**0.7517**	**1.4200e-003**		**0.0272**	**0.0272**		**0.0254**	**0.0254**	**0.0000**	**120.0138**	**120.0138**	**0.0329**	**0.0000**	**120.8359**

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

3.4 Phase 1 SNF - BC - 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	3.2000e-004	0.0138	4.1900e-003	6.0000e-005	2.0600e-003	8.0000e-005	2.1400e-003	6.0000e-004	8.0000e-005	6.7000e-004	0.0000	5.9214	5.9214	1.3000e-004	8.6000e-004	6.1823
Worker	0.0301	0.0184	0.2656	8.6000e-004	0.1142	4.9000e-004	0.1147	0.0304	4.5000e-004	0.0308	0.0000	78.9060	78.9060	1.8900e-003	2.0000e-003	79.5506
Total	**0.0304**	**0.0322**	**0.2698**	**9.2000e-004**	**0.1163**	**5.7000e-004**	**0.1168**	**0.0310**	**5.3000e-004**	**0.0315**	**0.0000**	**84.8274**	**84.8274**	**2.0200e-003**	**2.8600e-003**	**85.7329**

3.4 Phase 1 SNF - BC - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0800	0.7728	0.9606	1.7500e-003		0.0291	0.0291		0.0272	0.0272	0.0000	148.3473	148.3473	0.0418	0.0000	149.3926
Total	**0.0800**	**0.7728**	**0.9606**	**1.7500e-003**		**0.0291**	**0.0291**		**0.0272**	**0.0272**	**0.0000**	**148.3473**	**148.3473**	**0.0418**	**0.0000**	**149.3926**

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

3.4 Phase 1 SNF - BC - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1000e-004	0.0137	4.1400e-003	6.0000e-005	2.0600e-003	8.0000e-005	2.1400e-003	6.0000e-004	8.0000e-005	6.7000e-004	0.0000	5.8050	5.8050	1.2000e-004	8.5000e-004	6.0603
Worker	0.0285	0.0169	0.2523	8.4000e-004	0.1142	4.6000e-004	0.1147	0.0304	4.2000e-004	0.0308	0.0000	76.6736	76.6736	1.7400e-003	1.9100e-003	77.2859
Total	**0.0288**	**0.0306**	**0.2564**	**9.0000e-004**	**0.1163**	**5.4000e-004**	**0.1168**	**0.0310**	**5.0000e-004**	**0.0315**	**0.0000**	**82.4786**	**82.4786**	**1.8600e-003**	**2.7600e-003**	**83.3461**

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	0.0724	0.6680	0.7517	1.4200e-003		0.0272	0.0272		0.0254	0.0254	0.0000	120.0138	120.0138	0.0329	0.0000	120.8359
Total	**0.0724**	**0.6680**	**0.7517**	**1.4200e-003**		**0.0272**	**0.0272**		**0.0254**	**0.0254**	**0.0000**	**120.0138**	**120.0138**	**0.0329**	**0.0000**	**120.8359**

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

3.4 Phase 1 SNF - BC - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1000e-004	0.0137	4.1400e-003	6.0000e-005	2.0600e-003	8.0000e-005	2.1400e-003	6.0000e-004	8.0000e-005	6.7000e-004	0.0000	5.8050	5.8050	1.2000e-004	8.5000e-004	6.0603
Worker	0.0285	0.0169	0.2523	8.4000e-004	0.1142	4.6000e-004	0.1147	0.0304	4.2000e-004	0.0308	0.0000	76.6736	76.6736	1.7400e-003	1.9100e-003	77.2859
Total	**0.0288**	**0.0306**	**0.2564**	**9.0000e-004**	**0.1163**	**5.4000e-004**	**0.1168**	**0.0310**	**5.0000e-004**	**0.0315**	**0.0000**	**82.4786**	**82.4786**	**1.8600e-003**	**2.7600e-003**	**83.3461**

3.5 Phase 1 SNF - AC - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1633					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1633**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.5 Phase 1 SNF - AC - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1633					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1633**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.5 Phase 1 SNF - AC - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Phase 1 SNF - AC - 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	0.3963					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.3963**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.5 Phase 1 SNF - AC - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3963					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.3963**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Campus Expansion Alt 1 - Construction - Santa Clara County, Annual

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

3.5 Phase 1 SNF - AC - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Phase 1 SNF - AC - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3963					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.3963**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Campus Expansion Alt 1 - Construction - Santa Clara County, Annual

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

3.5 Phase 1 SNF - AC - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3963					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.3963**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Phase 1 SNF - AC - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Phase 4 Building D - Grading - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3741	0.0000	0.3741	0.0404	0.0000	0.0404	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.3741**	**0.0000**	**0.3741**	**0.0404**	**0.0000**	**0.0404**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.6 Phase 4 Building D - Grading - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.1000e-004	0.0359	0.0110	1.4000e-004	4.1200e-003	2.7000e-004	4.3800e-003	1.1300e-003	2.5000e-004	1.3900e-003	0.0000	13.6003	13.6003	4.8000e-004	2.1600e-003	14.2549
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.1000e-004**	**0.0359**	**0.0110**	**1.4000e-004**	**4.1200e-003**	**2.7000e-004**	**4.3800e-003**	**1.1300e-003**	**2.5000e-004**	**1.3900e-003**	**0.0000**	**13.6003**	**13.6003**	**4.8000e-004**	**2.1600e-003**	**14.2549**

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					0.1683	0.0000	0.1683	0.0182	0.0000	0.0182	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.1683**	**0.0000**	**0.1683**	**0.0182**	**0.0000**	**0.0182**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Campus Expansion Alt 1 - Construction - Santa Clara County, Annual

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

3.6 Phase 4 Building D - Grading - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.1000e-004	0.0359	0.0110	1.4000e-004	4.1200e-003	2.7000e-004	4.3800e-003	1.1300e-003	2.5000e-004	1.3900e-003	0.0000	13.6003	13.6003	4.8000e-004	2.1600e-003	14.2549
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.1000e-004**	**0.0359**	**0.0110**	**1.4000e-004**	**4.1200e-003**	**2.7000e-004**	**4.3800e-003**	**1.1300e-003**	**2.5000e-004**	**1.3900e-003**	**0.0000**	**13.6003**	**13.6003**	**4.8000e-004**	**2.1600e-003**	**14.2549**

3.6 Phase 4 Building D - Grading - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3741	0.0000	0.3741	0.0404	0.0000	0.0404	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.3741**	**0.0000**	**0.3741**	**0.0404**	**0.0000**	**0.0404**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.6 Phase 4 Building D - Grading - 2029

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	9.4000e-004	0.0469	0.0146	1.8000e-004	5.4800e-003	3.5000e-004	5.8300e-003	1.5100e-003	3.3000e-004	1.8400e-003	0.0000	17.5755	17.5755	6.3000e-004	2.7900e-003	18.4217
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.4000e-004**	**0.0469**	**0.0146**	**1.8000e-004**	**5.4800e-003**	**3.5000e-004**	**5.8300e-003**	**1.5100e-003**	**3.3000e-004**	**1.8400e-003**	**0.0000**	**17.5755**	**17.5755**	**6.3000e-004**	**2.7900e-003**	**18.4217**

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					0.1683	0.0000	0.1683	0.0182	0.0000	0.0182	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.1683**	**0.0000**	**0.1683**	**0.0182**	**0.0000**	**0.0182**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.6 Phase 4 Building D - Grading - 2029

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	9.4000e-004	0.0469	0.0146	1.8000e-004	5.4800e-003	3.5000e-004	5.8300e-003	1.5100e-003	3.3000e-004	1.8400e-003	0.0000	17.5755	17.5755	6.3000e-004	2.7900e-003	18.4217
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.4000e-004**	**0.0469**	**0.0146**	**1.8000e-004**	**5.4800e-003**	**3.5000e-004**	**5.8300e-003**	**1.5100e-003**	**3.3000e-004**	**1.8400e-003**	**0.0000**	**17.5755**	**17.5755**	**6.3000e-004**	**2.7900e-003**	**18.4217**

3.6 Phase 4 Building D - Grading - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3741	0.0000	0.3741	0.0404	0.0000	0.0404	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.3741**	**0.0000**	**0.3741**	**0.0404**	**0.0000**	**0.0404**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.6 Phase 4 Building D - Grading - 2030

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	4.6000e-004	0.0231	7.2300e-003	9.0000e-005	2.7200e-003	1.7000e-004	2.8900e-003	7.5000e-004	1.6000e-004	9.1000e-004	0.0000	8.4948	8.4948	3.1000e-004	1.3500e-003	8.9039
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.6000e-004**	**0.0231**	**7.2300e-003**	**9.0000e-005**	**2.7200e-003**	**1.7000e-004**	**2.8900e-003**	**7.5000e-004**	**1.6000e-004**	**9.1000e-004**	**0.0000**	**8.4948**	**8.4948**	**3.1000e-004**	**1.3500e-003**	**8.9039**

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					0.1683	0.0000	0.1683	0.0182	0.0000	0.0182	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.1683**	**0.0000**	**0.1683**	**0.0182**	**0.0000**	**0.0182**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.6 Phase 4 Building D - Grading - 2030

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	4.6000e-004	0.0231	7.2300e-003	9.0000e-005	2.7200e-003	1.7000e-004	2.8900e-003	7.5000e-004	1.6000e-004	9.1000e-004	0.0000	8.4948	8.4948	3.1000e-004	1.3500e-003	8.9039
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.6000e-004**	**0.0231**	**7.2300e-003**	**9.0000e-005**	**2.7200e-003**	**1.7000e-004**	**2.8900e-003**	**7.5000e-004**	**1.6000e-004**	**9.1000e-004**	**0.0000**	**8.4948**	**8.4948**	**3.1000e-004**	**1.3500e-003**	**8.9039**

3.7 Phase 4 Building D - BC - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0605	0.5837	0.7243	1.3200e-003		0.0220	0.0220		0.0205	0.0205	0.0000	112.0284	112.0284	0.0316	0.0000	112.8172
Total	**0.0605**	**0.5837**	**0.7243**	**1.3200e-003**		**0.0220**	**0.0220**		**0.0205**	**0.0205**	**0.0000**	**112.0284**	**112.0284**	**0.0316**	**0.0000**	**112.8172**

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

3.7 Phase 4 Building D - BC - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.4400e-003	0.1073	0.0324	4.6000e-004	0.0162	6.4000e-004	0.0169	4.7000e-003	6.1000e-004	5.3100e-003	0.0000	44.8757	44.8757	9.7000e-004	6.5300e-003	46.8453
Worker	0.0221	0.0128	0.1967	6.6000e-004	0.0932	3.5000e-004	0.0935	0.0248	3.2000e-004	0.0251	0.0000	60.9386	60.9386	1.3100e-003	1.4900e-003	61.4162
Total	**0.0246**	**0.1200**	**0.2291**	**1.1200e-003**	**0.1094**	**9.9000e-004**	**0.1104**	**0.0295**	**9.3000e-004**	**0.0304**	**0.0000**	**105.8143**	**105.8143**	**2.2800e-003**	**8.0200e-003**	**108.2614**

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	0.0547	0.5050	0.5675	1.0700e-003		0.0205	0.0205		0.0192	0.0192	0.0000	90.7556	90.7556	0.0249	0.0000	91.3769
Total	**0.0547**	**0.5050**	**0.5675**	**1.0700e-003**		**0.0205**	**0.0205**		**0.0192**	**0.0192**	**0.0000**	**90.7556**	**90.7556**	**0.0249**	**0.0000**	**91.3769**

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

3.7 Phase 4 Building D - BC - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.4400e-003	0.1073	0.0324	4.6000e-004	0.0162	6.4000e-004	0.0169	4.7000e-003	6.1000e-004	5.3100e-003	0.0000	44.8757	44.8757	9.7000e-004	6.5300e-003	46.8453
Worker	0.0221	0.0128	0.1967	6.6000e-004	0.0932	3.5000e-004	0.0935	0.0248	3.2000e-004	0.0251	0.0000	60.9386	60.9386	1.3100e-003	1.4900e-003	61.4162
Total	**0.0246**	**0.1200**	**0.2291**	**1.1200e-003**	**0.1094**	**9.9000e-004**	**0.1104**	**0.0295**	**9.3000e-004**	**0.0304**	**0.0000**	**105.8143**	**105.8143**	**2.2800e-003**	**8.0200e-003**	**108.2614**

3.7 Phase 4 Building D - BC - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0805	0.7775	0.9647	1.7600e-003		0.0293	0.0293		0.0274	0.0274	0.0000	149.2123	149.2123	0.0420	0.0000	150.2630
Total	**0.0805**	**0.7775**	**0.9647**	**1.7600e-003**		**0.0293**	**0.0293**		**0.0274**	**0.0274**	**0.0000**	**149.2123**	**149.2123**	**0.0420**	**0.0000**	**150.2630**

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

3.7 Phase 4 Building D - BC - 2029

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	3.2100e-003	0.1411	0.0427	6.0000e-004	0.0216	8.4000e-004	0.0225	6.2600e-003	8.0000e-004	7.0600e-003	0.0000	58.4069	58.4069	1.2700e-003	8.4800e-003	60.9651
Worker	0.0280	0.0159	0.2514	8.6000e-004	0.1241	4.4000e-004	0.1246	0.0330	4.1000e-004	0.0334	0.0000	79.2154	79.2154	1.6200e-003	1.9100e-003	79.8264
Total	**0.0312**	**0.1570**	**0.2940**	**1.4600e-003**	**0.1458**	**1.2800e-003**	**0.1470**	**0.0393**	**1.2100e-003**	**0.0405**	**0.0000**	**137.6223**	**137.6223**	**2.8900e-003**	**0.0104**	**140.7915**

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	0.0729	0.6727	0.7558	1.4300e-003		0.0273	0.0273		0.0255	0.0255	0.0000	120.8788	120.8788	0.0331	0.0000	121.7062
Total	**0.0729**	**0.6727**	**0.7558**	**1.4300e-003**		**0.0273**	**0.0273**		**0.0255**	**0.0255**	**0.0000**	**120.8788**	**120.8788**	**0.0331**	**0.0000**	**121.7062**

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

3.7 Phase 4 Building D - BC - 2029

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	3.2100e-003	0.1411	0.0427	6.0000e-004	0.0216	8.4000e-004	0.0225	6.2600e-003	8.0000e-004	7.0600e-003	0.0000	58.4069	58.4069	1.2700e-003	8.4800e-003	60.9651
Worker	0.0280	0.0159	0.2514	8.6000e-004	0.1241	4.4000e-004	0.1246	0.0330	4.1000e-004	0.0334	0.0000	79.2154	79.2154	1.6200e-003	1.9100e-003	79.8264
Total	**0.0312**	**0.1570**	**0.2940**	**1.4600e-003**	**0.1458**	**1.2800e-003**	**0.1470**	**0.0393**	**1.2100e-003**	**0.0405**	**0.0000**	**137.6223**	**137.6223**	**2.8900e-003**	**0.0104**	**140.7915**

3.7 Phase 4 Building D - BC - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0432	0.2776	0.4836	1.0000e-003		5.5700e-003	5.5700e-003		5.5700e-003	5.5700e-003	0.0000	86.4769	86.4769	3.4900e-003	0.0000	86.5643
Total	**0.0432**	**0.2776**	**0.4836**	**1.0000e-003**		**5.5700e-003**	**5.5700e-003**		**5.5700e-003**	**5.5700e-003**	**0.0000**	**86.4769**	**86.4769**	**3.4900e-003**	**0.0000**	**86.5643**

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

3.7 Phase 4 Building D - BC - 2030

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	1.5700e-003	0.0695	0.0210	2.9000e-004	0.0107	4.1000e-004	0.0111	3.1000e-003	4.0000e-004	3.4900e-003	0.0000	28.3677	28.3677	6.2000e-004	4.1100e-003	29.6080
Worker	0.0131	7.3600e-003	0.1200	4.2000e-004	0.0615	2.0000e-004	0.0617	0.0164	1.9000e-004	0.0165	0.0000	38.3673	38.3673	7.5000e-004	9.2000e-004	38.6594
Total	**0.0147**	**0.0769**	**0.1409**	**7.1000e-004**	**0.0722**	**6.1000e-004**	**0.0728**	**0.0195**	**5.9000e-004**	**0.0200**	**0.0000**	**66.7351**	**66.7351**	**1.3700e-003**	**5.0300e-003**	**68.2674**

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	0.0366	0.2211	0.3744	8.0000e-004		4.2700e-003	4.2700e-003		4.2700e-003	4.2700e-003	0.0000	69.6959	69.6959	2.9500e-003	0.0000	69.7697
Total	**0.0366**	**0.2211**	**0.3744**	**8.0000e-004**		**4.2700e-003**	**4.2700e-003**		**4.2700e-003**	**4.2700e-003**	**0.0000**	**69.6959**	**69.6959**	**2.9500e-003**	**0.0000**	**69.7697**

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

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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	1.5700e-003	0.0695	0.0210	2.9000e-004	0.0107	4.1000e-004	0.0111	3.1000e-003	4.0000e-004	3.4900e-003	0.0000	28.3677	28.3677	6.2000e-004	4.1100e-003	29.6080
Worker	0.0131	7.3600e-003	0.1200	4.2000e-004	0.0615	2.0000e-004	0.0617	0.0164	1.9000e-004	0.0165	0.0000	38.3673	38.3673	7.5000e-004	9.2000e-004	38.6594
Total	**0.0147**	**0.0769**	**0.1409**	**7.1000e-004**	**0.0722**	**6.1000e-004**	**0.0728**	**0.0195**	**5.9000e-004**	**0.0200**	**0.0000**	**66.7351**	**66.7351**	**1.3700e-003**	**5.0300e-003**	**68.2674**

3.8 Phase 4 Building D - AC - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3195					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.3195**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3195					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.3195**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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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	0.4256					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.4256**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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3.8 Phase 4 Building D - AC - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4256					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.4256**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.8 Phase 4 Building D - AC - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.8 Phase 4 Building D - AC - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2108					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2108**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Campus Expansion Alt 1 - Construction - Santa Clara County, Annual

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

3.8 Phase 4 Building D - AC - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2108					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2108**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Campus Expansion Alt 1 - Construction - Santa Clara County, Annual

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

3.8 Phase 4 Building D - AC - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.9 Phase 4 Fitness - BC - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1013	1.0029	1.3986	2.3000e-003		0.0360	0.0360		0.0337	0.0337	0.0000	193.9679	193.9679	0.0535	0.0000	195.3057
Total	**0.1013**	**1.0029**	**1.3986**	**2.3000e-003**		**0.0360**	**0.0360**		**0.0337**	**0.0337**	**0.0000**	**193.9679**	**193.9679**	**0.0535**	**0.0000**	**195.3057**

Saratoga Retirement Community Campus Expansion Alt 1 - Construction - Santa Clara County, Annual

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

3.9 Phase 4 Fitness - BC - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0868	0.8089	1.0158	1.6900e-003		0.0322	0.0322		0.0302	0.0302	0.0000	141.9924	141.9924	0.0372	0.0000	142.9228
Total	**0.0868**	**0.8089**	**1.0158**	**1.6900e-003**		**0.0322**	**0.0322**		**0.0302**	**0.0302**	**0.0000**	**141.9924**	**141.9924**	**0.0372**	**0.0000**	**142.9228**

Saratoga Retirement Community Campus Expansion Alt 1 - Construction - Santa Clara County, Annual

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

3.9 Phase 4 Fitness - BC - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.9 Phase 4 Fitness - BC - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1349	1.3357	1.8629	3.0600e-003		0.0479	0.0479		0.0449	0.0449	0.0000	258.3488	258.3488	0.0713	0.0000	260.1305
Total	**0.1349**	**1.3357**	**1.8629**	**3.0600e-003**		**0.0479**	**0.0479**		**0.0449**	**0.0449**	**0.0000**	**258.3488**	**258.3488**	**0.0713**	**0.0000**	**260.1305**

Saratoga Retirement Community Campus Expansion Alt 1 - Construction - Santa Clara County, Annual

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

3.9 Phase 4 Fitness - BC - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1156	1.0774	1.3530	2.2600e-003		0.0429	0.0429		0.0403	0.0403	0.0000	189.1218	189.1218	0.0496	0.0000	190.3611
Total	**0.1156**	**1.0774**	**1.3530**	**2.2600e-003**		**0.0429**	**0.0429**		**0.0403**	**0.0403**	**0.0000**	**189.1218**	**189.1218**	**0.0496**	**0.0000**	**190.3611**

Saratoga Retirement Community Campus Expansion Alt 1 - Construction - Santa Clara County, Annual

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

3.9 Phase 4 Fitness - BC - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.9 Phase 4 Fitness - BC - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0737	0.5158	0.9468	1.7600e-003		9.3200e-003	9.3200e-003		9.3200e-003	9.3200e-003	0.0000	148.9811	148.9811	5.9600e-003	0.0000	149.1300
Total	**0.0737**	**0.5158**	**0.9468**	**1.7600e-003**		**9.3200e-003**	**9.3200e-003**		**9.3200e-003**	**9.3200e-003**	**0.0000**	**148.9811**	**148.9811**	**5.9600e-003**	**0.0000**	**149.1300**

Saratoga Retirement Community Campus Expansion Alt 1 - Construction - Santa Clara County, Annual

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

3.9 Phase 4 Fitness - BC - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0574	0.3767	0.6802	1.2800e-003		6.0800e-003	6.0800e-003		6.0800e-003	6.0800e-003	0.0000	108.0316	108.0316	4.6200e-003	0.0000	108.1471
Total	**0.0574**	**0.3767**	**0.6802**	**1.2800e-003**		**6.0800e-003**	**6.0800e-003**		**6.0800e-003**	**6.0800e-003**	**0.0000**	**108.0316**	**108.0316**	**4.6200e-003**	**0.0000**	**108.1471**

Saratoga Retirement Community Campus Expansion Alt 1 - Construction - Santa Clara County, Annual

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

3.9 Phase 4 Fitness - BC - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.10 Phase 4 Fitness - AC - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.10 Phase 4 Fitness - AC - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.10 Phase 4 Fitness - AC - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.10 Phase 4 Fitness - AC - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.10 Phase 4 Fitness - AC - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.10 Phase 4 Fitness - AC - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.10 Phase 4 Fitness - AC - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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3.10 Phase 4 Fitness - AC - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.10 Phase 4 Fitness - AC - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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 Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Congregate Care (Assisted Living)	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Retirement Community	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Congregate Care (Assisted	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Retirement Community	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

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

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Congregate Care (Assisted Living)	0.577549	0.056946	0.181683	0.115241	0.020187	0.005442	0.008197	0.006064	0.000844	0.000329	0.024185	0.000824	0.002509
Enclosed Parking with Elevator	0.577549	0.056946	0.181683	0.115241	0.020187	0.005442	0.008197	0.006064	0.000844	0.000329	0.024185	0.000824	0.002509
Health Club	0.577549	0.056946	0.181683	0.115241	0.020187	0.005442	0.008197	0.006064	0.000844	0.000329	0.024185	0.000824	0.002509
Retirement Community	0.577549	0.056946	0.181683	0.115241	0.020187	0.005442	0.008197	0.006064	0.000844	0.000329	0.024185	0.000824	0.002509

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Congregate Care (Assisted Living)	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
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
Health Club	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
Retirement Community	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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Congregate Care (Assisted Living)	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
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
Health Club	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
Retirement Community	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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Congregate Care (Assisted Living)	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Congregate Care (Assisted Living)	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5487	7.8700e-003	0.6831	4.0000e-005		3.7900e-003	3.7900e-003		3.7900e-003	3.7900e-003	0.0000	1.1194	1.1194	1.0700e-003	0.0000	1.1462
Unmitigated	0.5487	7.8700e-003	0.6831	4.0000e-005		3.7900e-003	3.7900e-003		3.7900e-003	3.7900e-003	0.0000	1.1194	1.1194	1.0700e-003	0.0000	1.1462

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5281					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0205	7.8700e-003	0.6831	4.0000e-005		3.7900e-003	3.7900e-003		3.7900e-003	3.7900e-003	0.0000	1.1194	1.1194	1.0700e-003	0.0000	1.1462
Total	**0.5487**	**7.8700e-003**	**0.6831**	**4.0000e-005**		**3.7900e-003**	**3.7900e-003**		**3.7900e-003**	**3.7900e-003**	**0.0000**	**1.1194**	**1.1194**	**1.0700e-003**	**0.0000**	**1.1462**

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5281					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0205	7.8700e-003	0.6831	4.0000e-005		3.7900e-003	3.7900e-003		3.7900e-003	3.7900e-003	0.0000	1.1194	1.1194	1.0700e-003	0.0000	1.1462
Total	**0.5487**	**7.8700e-003**	**0.6831**	**4.0000e-005**		**3.7900e-003**	**3.7900e-003**		**3.7900e-003**	**3.7900e-003**	**0.0000**	**1.1194**	**1.1194**	**1.0700e-003**	**0.0000**	**1.1462**

7.0 Water Detail

7.1 Mitigation Measures Water

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Congregate Care (Assisted Living)	0 / 0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	0 / 0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Congregate Care (Assisted Living)	0 / 0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	0 / 0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Congregate Care (Assisted Living)	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Congregate Care (Assisted Living)	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

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

Equipment Type	Number

11.0 Vegetation

Alternative 1 Emissions

Emissions Summary by Year (tons)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
2025	0.21	0.29	0.43	0.00	0.05	0.01	0.06	0.01	0.01	0.02
2026	0.50	0.71	1.03	0.00	0.12	0.03	0.15	0.03	0.03	0.06
2027	0.50	0.71	1.01	0.00	0.12	0.03	0.15	0.03	0.03	0.06
2028	0.54	2.07	2.36	0.01	0.32	0.08	0.39	0.06	0.07	0.13
2029	0.65	1.95	2.42	0.01	0.32	0.07	0.39	0.06	0.07	0.13
2030	0.32	0.70	1.20	0.00	0.24	0.01	0.25	0.04	0.01	0.05

Emissions S

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
2025	413.00	589.20	858.00	2.00	101.20	23.00	124.20	26.40	21.40	47.80
2026	998.60	1425.80	2050.80	4.78	239.60	55.60	295.20	63.20	52.00	115.20
2027	995.40	1422.40	2024.00	4.72	239.60	55.60	295.20	63.20	51.80	115.00
2028	1086.40	4130.80	4722.40	11.02	636.60	153.20	789.80	113.80	143.20	257.00
2029	1292.40	3908.00	4835.00	10.66	639.20	143.80	783.00	118.00	134.60	252.60
2030	639.80	1395.40	2405.40	5.76	486.40	22.20	508.80	76.80	22.20	99.00

Daily Average Emissions (lbs/day) by Year

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
2025	3.20	4.57	6.65	0.02	0.78	0.18	0.96	0.20	0.17	0.37
2026	3.19	4.56	6.55	0.02	0.77	0.18	0.94	0.20	0.17	0.37
2027	3.18	4.54	6.47	0.02	0.77	0.18	0.94	0.20	0.17	0.37
2028	3.79	14.39	16.45	0.04	2.22	0.53	2.75	0.40	0.50	0.90
2029	4.13	12.49	15.45	0.03	2.04	0.46	2.50	0.38	0.43	0.81
2030	4.13	9.00	15.52	0.04	3.14	0.14	3.28	0.50	0.14	0.64

	Start Date	End Date	Days
2025	8/4/2025	12/31/2025	129
2026	1/1/2026	12/31/2026	313
2027	1/1/2027	12/31/2027	313
2028	2/1/2028	12/31/2028	287
2029	1/1/2029	12/31/2029	313
2030	1/1/2030	6/29/2030	155

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

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Place of Worship	4.79	1000sqft	0.11	4,792.00	0
Enclosed Parking with Elevator	34.00	Space	0.00	16,879.00	0
Enclosed Parking with Elevator	64.00	Space	0.00	31,710.00	0
Enclosed Parking with Elevator	77.00	Space	0.00	25,899.00	0
Enclosed Parking with Elevator	7.04	1000sqft	0.00	7,043.00	0
Other Asphalt Surfaces	25.12	1000sqft	0.58	25,118.00	0
Other Non-Asphalt Surfaces	74.60	1000sqft	1.71	74,596.00	0
Health Club	1.06	1000sqft	0.02	1,065.00	0
Retirement Community	22.00	Dwelling Unit	0.41	35,898.00	63
Retirement Community	20.00	Dwelling Unit	0.42	41,715.00	57

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2026
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Project specific land uses and square footage. Place of worship to represent meeting room addition. Health club to represent fitness center.

Construction Phase - Project specific construction schedule.

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

Off-road Equipment - Project specific equipment for Phase 0.

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Project specific equipment for Phase 1 Building A. Hours account for total hours over phase.

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Project specific equipment for Phase 1 Fitness. Hours account for total hours over phase.

Off-road Equipment - Equipment included in overall phase

Trips and VMT - Project specific vehicle trips.

Grading - Estimated material export quantities by phase.

Vehicle Trips - Operational emissions estimated in separate run.

Woodstoves - Operational emissions estimated in separate run.

Consumer Products - Operational emissions estimated in separate run.

Area Coating - Operational emissions estimated in separate run.

Energy Use - Operational emissions estimated in separate run.

Water And Wastewater - Operational emissions estimated in separate run.

Solid Waste - Operational emissions estimated in separate run.

Construction Off-road Equipment Mitigation - Assumes implementation of BAAQMD Fugitive Dust Control and accounts for anticipated electrical equipment.

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Project specific equipment for Phase 2 Building C. Hours account for total hours over phase.

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

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Off-road Equipment - Project specific equipment for Phase 2 Meeting Hall. Hours account for total hours over phase.

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Off-road Equipment - Equipment included in overall phase

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	PhaseName	P.3 Build C Interiors	P.2 Build C Interiors
tblArchitecturalCoating	PhaseName	P.3 Meeting Hall Interiors	P.2 Meeting Hall Interiors
tblAreaCoating	Area_Nonresidential_Exterior	2929	0
tblAreaCoating	Area_Nonresidential_Interior	8786	0
tblAreaCoating	Area_Parking	10875	0
tblAreaCoating	Area_Residential_Exterior	71609	0
tblAreaCoating	Area_Residential_Interior	214828	0
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstructionPhase	NumDays	18.00	41.00
tblConstructionPhase	NumDays	18.00	112.00
tblConstructionPhase	NumDays	18.00	130.00
tblConstructionPhase	NumDays	18.00	40.00
tblConstructionPhase	NumDays	230.00	135.00
tblConstructionPhase	NumDays	230.00	47.00

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tblConstructionPhase	NumDays	230.00	77.00
tblConstructionPhase	NumDays	230.00	176.00
tblConstructionPhase	NumDays	230.00	52.00
tblConstructionPhase	NumDays	230.00	27.00
tblConstructionPhase	NumDays	230.00	370.00
tblConstructionPhase	NumDays	230.00	92.00
tblConstructionPhase	NumDays	230.00	454.00
tblConstructionPhase	NumDays	230.00	78.00
tblConstructionPhase	NumDays	230.00	161.00
tblConstructionPhase	NumDays	230.00	36.00
tblConstructionPhase	NumDays	8.00	20.00
tblConstructionPhase	NumDays	8.00	21.00
tblConstructionPhase	NumDays	8.00	41.00
tblConstructionPhase	NumDays	18.00	68.00
tblConstructionPhase	NumDays	18.00	37.00
tblConstructionPhase	NumDays	18.00	71.00
tblConstructionPhase	NumDays	18.00	36.00
tblConstructionPhase	NumDays	5.00	97.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	LightingElect	3.08	0.00
tblEnergyUse	LightingElect	3.08	0.00
tblEnergyUse	LightingElect	1,001.10	0.00
tblEnergyUse	NT24E	0.19	0.00
tblEnergyUse	NT24E	3.70	0.00
tblEnergyUse	NT24E	3.70	0.00
tblEnergyUse	NT24E	3,172.76	0.00
tblEnergyUse	NT24NG	6.67	0.00
tblEnergyUse	NT24NG	6.67	0.00
tblEnergyUse	NT24NG	3,155.00	0.00

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tblEnergyUse	T24E	3.50	0.00
tblEnergyUse	T24E	1.32	0.00
tblEnergyUse	T24E	1.32	0.00
tblEnergyUse	T24E	77.89	0.00
tblEnergyUse	T24NG	19.51	0.00
tblEnergyUse	T24NG	19.51	0.00
tblEnergyUse	T24NG	6,712.79	0.00
tblFireplaces	NumberGas	7.80	0.00
tblFireplaces	NumberWood	8.84	0.00
tblGrading	AcresOfGrading	0.00	8.00
tblGrading	AcresOfGrading	0.00	21.00
tblGrading	AcresOfGrading	0.00	41.00
tblGrading	AcresOfGrading	2.43	7.50
tblGrading	MaterialExported	0.00	6,270.00
tblGrading	MaterialExported	0.00	4,910.00
tblGrading	MaterialExported	0.00	10,281.00
tblGrading	PhaseName	P.3 Meeting Hall Excavation	P.2 Meeting Hall Excavation
tblGrading	PhaseName	P.3 Build C Excavation	P.2 Build C Excavation
tblLandUse	LandUseSquareFeet	4,790.00	4,792.00
tblLandUse	LandUseSquareFeet	7,040.00	7,043.00
tblLandUse	LandUseSquareFeet	13,600.00	16,879.00
tblLandUse	LandUseSquareFeet	25,600.00	31,710.00
tblLandUse	LandUseSquareFeet	30,800.00	25,899.00
tblLandUse	LandUseSquareFeet	25,120.00	25,118.00
tblLandUse	LandUseSquareFeet	74,600.00	74,596.00
tblLandUse	LandUseSquareFeet	1,060.00	1,065.00
tblLandUse	LandUseSquareFeet	20,000.00	41,715.00
tblLandUse	LandUseSquareFeet	22,000.00	35,898.00
tblLandUse	LotAcreage	0.16	0.00

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

tblLandUse	LotAcreage	0.31	0.00
tblLandUse	LotAcreage	0.58	0.00
tblLandUse	LotAcreage	0.69	0.00
tblLandUse	LotAcreage	4.00	0.42
tblLandUse	LotAcreage	4.40	0.41
tblOffRoadEquipment	HorsePower	231.00	408.00
tblOffRoadEquipment	HorsePower	231.00	408.00
tblOffRoadEquipment	HorsePower	231.00	408.00
tblOffRoadEquipment	HorsePower	231.00	408.00
tblOffRoadEquipment	HorsePower	89.00	110.00
tblOffRoadEquipment	HorsePower	89.00	110.00
tblOffRoadEquipment	HorsePower	89.00	110.00
tblOffRoadEquipment	HorsePower	89.00	110.00
tblOffRoadEquipment	HorsePower	84.00	40.20
tblOffRoadEquipment	HorsePower	84.00	40.20
tblOffRoadEquipment	HorsePower	84.00	40.20
tblOffRoadEquipment	HorsePower	84.00	40.20
tblOffRoadEquipment	HorsePower	46.00	24.20
tblOffRoadEquipment	HorsePower	46.00	24.20
tblOffRoadEquipment	HorsePower	46.00	24.20
tblOffRoadEquipment	HorsePower	46.00	24.20
tblOffRoadEquipment	HorsePower	78.00	49.00
tblOffRoadEquipment	HorsePower	78.00	49.00
tblOffRoadEquipment	HorsePower	78.00	49.00
tblOffRoadEquipment	HorsePower	78.00	49.00
tblOffRoadEquipment	HorsePower	221.00	100.00
tblOffRoadEquipment	HorsePower	221.00	100.00
tblOffRoadEquipment	HorsePower	221.00	100.00
tblOffRoadEquipment	HorsePower	158.00	273.00

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

tblOffRoadEquipment	HorsePower	158.00	273.00
tblOffRoadEquipment	HorsePower	158.00	273.00
tblOffRoadEquipment	HorsePower	158.00	273.00
tblOffRoadEquipment	HorsePower	158.00	273.00
tblOffRoadEquipment	HorsePower	84.00	40.20
tblOffRoadEquipment	HorsePower	172.00	157.00
tblOffRoadEquipment	HorsePower	172.00	157.00
tblOffRoadEquipment	HorsePower	172.00	157.00
tblOffRoadEquipment	HorsePower	172.00	157.00
tblOffRoadEquipment	HorsePower	172.00	157.00
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tblOffRoadEquipment	HorsePower	130.00	74.80
tblOffRoadEquipment	HorsePower	130.00	74.80
tblOffRoadEquipment	HorsePower	130.00	74.80
tblOffRoadEquipment	HorsePower	130.00	74.80
tblOffRoadEquipment	HorsePower	132.00	74.00
tblOffRoadEquipment	HorsePower	132.00	74.00
tblOffRoadEquipment	HorsePower	132.00	74.00
tblOffRoadEquipment	HorsePower	132.00	74.00
tblOffRoadEquipment	HorsePower	132.00	74.00
tblOffRoadEquipment	HorsePower	8.00	9.00
tblOffRoadEquipment	HorsePower	80.00	74.00
tblOffRoadEquipment	HorsePower	80.00	74.00
tblOffRoadEquipment	HorsePower	80.00	74.00
tblOffRoadEquipment	HorsePower	80.00	74.00
tblOffRoadEquipment	HorsePower	247.00	215.00
tblOffRoadEquipment	HorsePower	247.00	215.00
tblOffRoadEquipment	HorsePower	247.00	215.00
tblOffRoadEquipment	HorsePower	247.00	215.00

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

tblOffRoadEquipment	HorsePower	65.00	74.30
tblOffRoadEquipment	HorsePower	65.00	74.30
tblOffRoadEquipment	HorsePower	65.00	74.30
tblOffRoadEquipment	HorsePower	65.00	74.30
tblOffRoadEquipment	HorsePower	65.00	74.30
tblOffRoadEquipment	HorsePower	64.00	99.00
tblOffRoadEquipment	HorsePower	64.00	99.00
tblOffRoadEquipment	HorsePower	64.00	99.00
tblOffRoadEquipment	HorsePower	64.00	99.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName	P.3 Build C Interiors	P.2 Build C Interiors
tblOffRoadEquipment	PhaseName	P.3 Meeting Hall Interiors	P.2 Meeting Hall Interiors
tblOffRoadEquipment	PhaseName	P.3 Build C Building Exterior	P.2 Build C Building Exterior
tblOffRoadEquipment	PhaseName	P.3 Meeting Hall Build Exterior	P.2 Meeting Hall Build Exterior
tblOffRoadEquipment	PhaseName	P.3 Build C Concrete Found	P.2 Build C Concrete Found
tblOffRoadEquipment	PhaseName	P.3 Build C Build Frame	P.2 Build C Build Frame
tblOffRoadEquipment	PhaseName	P.3 Meeting Hall Overall	P.2 Meeting Hall Overall
tblOffRoadEquipment	PhaseName	P.3 Meeting Hall Concrete Found	P.2 Meeting Hall Concrete Found
tblOffRoadEquipment	PhaseName	P.3 Meeting Hall Build Frame	P.2 Meeting Hall Build Frame
tblOffRoadEquipment	PhaseName	P.3 Build C Overall	P.2 Build C Overall
tblOffRoadEquipment	PhaseName	P.3 Meeting Hall Excavation	P.2 Meeting Hall Excavation
tblOffRoadEquipment	PhaseName	P.3 Build C Excavation	P.2 Build C Excavation
tblOffRoadEquipment	PhaseName	P.3 Build C Concrete Found	P.2 Build C Concrete Found
tblOffRoadEquipment	PhaseName	P.3 Build C Build Frame	P.2 Build C Build Frame
tblOffRoadEquipment	PhaseName	P.3 Meeting Hall Overall	P.2 Meeting Hall Overall
tblOffRoadEquipment	PhaseName	P.3 Meeting Hall Concrete Found	P.2 Meeting Hall Concrete Found
tblOffRoadEquipment	PhaseName	P.3 Meeting Hall Build Frame	P.2 Meeting Hall Build Frame
tblOffRoadEquipment	PhaseName	P.3 Build C Overall	P.2 Build C Overall
tblOffRoadEquipment	PhaseName	P.3 Build C Concrete Found	P.2 Build C Concrete Found
tblOffRoadEquipment	PhaseName	P.3 Build C Build Frame	P.2 Build C Build Frame
tblOffRoadEquipment	PhaseName	P.3 Meeting Hall Overall	P.2 Meeting Hall Overall
tblOffRoadEquipment	PhaseName	P.3 Meeting Hall Concrete Found	P.2 Meeting Hall Concrete Found
tblOffRoadEquipment	PhaseName	P.3 Meeting Hall Build Frame	P.2 Meeting Hall Build Frame

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tblOffRoadEquipment	PhaseName	P.3 Build C Overall	P.2 Build C Overall
tblOffRoadEquipment	PhaseName	P.3 Meeting Hall Excavation	P.2 Meeting Hall Excavation
tblOffRoadEquipment	PhaseName	P.3 Build C Excavation	P.2 Build C Excavation
tblOffRoadEquipment	PhaseName	P.3 Build C Building Exterior	P.2 Build C Building Exterior
tblOffRoadEquipment	PhaseName	P.3 Meeting Hall Build Exterior	P.2 Meeting Hall Build Exterior
tblOffRoadEquipment	PhaseName	P.3 Build C Building Exterior	P.2 Build C Building Exterior
tblOffRoadEquipment	PhaseName	P.3 Meeting Hall Build Exterior	P.2 Meeting Hall Build Exterior
tblOffRoadEquipment	PhaseName	P.3 Build C Building Exterior	P.2 Build C Building Exterior
tblOffRoadEquipment	PhaseName	P.3 Meeting Hall Build Exterior	P.2 Meeting Hall Build Exterior
tblOffRoadEquipment	PhaseName	P.3 Meeting Hall Excavation	P.2 Meeting Hall Excavation
tblOffRoadEquipment	PhaseName	P.3 Build C Excavation	P.2 Build C Excavation
tblOffRoadEquipment	PhaseName	P.3 Build C Concrete Found	P.2 Build C Concrete Found
tblOffRoadEquipment	PhaseName	P.3 Build C Build Frame	P.2 Build C Build Frame
tblOffRoadEquipment	PhaseName	P.3 Meeting Hall Overall	P.2 Meeting Hall Overall
tblOffRoadEquipment	PhaseName	P.3 Meeting Hall Concrete Found	P.2 Meeting Hall Concrete Found
tblOffRoadEquipment	PhaseName	P.3 Meeting Hall Build Frame	P.2 Meeting Hall Build Frame
tblOffRoadEquipment	PhaseName	P.3 Build C Overall	P.2 Build C Overall
tblOffRoadEquipment	PhaseName	P.3 Meeting Hall Excavation	P.2 Meeting Hall Excavation
tblOffRoadEquipment	PhaseName	P.3 Build C Excavation	P.2 Build C Excavation
tblOffRoadEquipment	PhaseName	P.3 Build C Building Exterior	P.2 Build C Building Exterior
tblOffRoadEquipment	PhaseName	P.3 Meeting Hall Build Exterior	P.2 Meeting Hall Build Exterior
tblOffRoadEquipment	PhaseName	P.3 Build C Concrete Found	P.2 Build C Concrete Found
tblOffRoadEquipment	PhaseName	P.3 Build C Build Frame	P.2 Build C Build Frame
tblOffRoadEquipment	PhaseName	P.3 Meeting Hall Overall	P.2 Meeting Hall Overall
tblOffRoadEquipment	PhaseName	P.3 Meeting Hall Concrete Found	P.2 Meeting Hall Concrete Found
tblOffRoadEquipment	PhaseName	P.3 Meeting Hall Build Frame	P.2 Meeting Hall Build Frame
tblOffRoadEquipment	PhaseName	P.3 Build C Overall	P.2 Build C Overall
tblOffRoadEquipment	PhaseName		P.2 Meeting Hall Overall
tblOffRoadEquipment	PhaseName		P.1 Build A Overall

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tblOffRoadEquipment	PhaseName		P.2 Build C Overall
tblOffRoadEquipment	PhaseName		P.1 Fitness Overall
tblOffRoadEquipment	PhaseName		P.2 Meeting Hall Overall
tblOffRoadEquipment	PhaseName		P.1 Build A Overall
tblOffRoadEquipment	PhaseName		P.2 Build C Overall
tblOffRoadEquipment	PhaseName		P.1 Fitness Overall
tblOffRoadEquipment	PhaseName		P.2 Meeting Hall Overall
tblOffRoadEquipment	PhaseName		P.1 Build A Overall
tblOffRoadEquipment	PhaseName		P.2 Build C Overall
tblOffRoadEquipment	PhaseName		P.0 Utility Relocation Prep Roadway
tblOffRoadEquipment	PhaseName		P.2 Meeting Hall Overall
tblOffRoadEquipment	PhaseName		P.1 Build A Overall
tblOffRoadEquipment	PhaseName		P.2 Build C Overall
tblOffRoadEquipment	PhaseName		P.1 Fitness Overall
tblOffRoadEquipment	PhaseName		P.0 Utility Relocation Prep Roadway
tblOffRoadEquipment	PhaseName		P.2 Meeting Hall Overall
tblOffRoadEquipment	PhaseName		P.1 Build A Overall
tblOffRoadEquipment	PhaseName		P.2 Build C Overall
tblOffRoadEquipment	PhaseName		P.1 Fitness Overall
tblOffRoadEquipment	PhaseName		P.0 Utility Relocation Prep Roadway
tblOffRoadEquipment	PhaseName		P.0 Utility Relocation Prep Roadway
tblOffRoadEquipment	PhaseName		P.0 Utility Relocation Prep Roadway
tblOffRoadEquipment	PhaseName		P.2 Meeting Hall Overall
tblOffRoadEquipment	PhaseName		P.1 Build A Overall
tblOffRoadEquipment	PhaseName		P.2 Build C Overall
tblOffRoadEquipment	PhaseName		P.1 Fitness Overall
tblOffRoadEquipment	PhaseName		P.0 Utility Relocation Prep Roadway
tblOffRoadEquipment	PhaseName		P.2 Meeting Hall Overall
tblOffRoadEquipment	PhaseName		P.1 Build A Overall

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

tblOffRoadEquipment	PhaseName		P.2 Build C Overall
tblOffRoadEquipment	PhaseName		P.1 Fitness Overall
tblOffRoadEquipment	PhaseName		P.0 Utility Relocation Prep Roadway
tblOffRoadEquipment	PhaseName		P.2 Meeting Hall Overall
tblOffRoadEquipment	PhaseName		P.1 Build A Overall
tblOffRoadEquipment	PhaseName		P.2 Build C Overall
tblOffRoadEquipment	PhaseName		P.1 Fitness Overall
tblOffRoadEquipment	PhaseName		P.0 Utility Relocation Prep Roadway
tblOffRoadEquipment	PhaseName		P.2 Meeting Hall Overall
tblOffRoadEquipment	PhaseName		P.1 Build A Overall
tblOffRoadEquipment	PhaseName		P.2 Build C Overall
tblOffRoadEquipment	PhaseName		P.1 Fitness Overall
tblOffRoadEquipment	PhaseName		P.2 Meeting Hall Overall
tblOffRoadEquipment	PhaseName		P.1 Build A Overall
tblOffRoadEquipment	PhaseName		P.2 Build C Overall
tblOffRoadEquipment	PhaseName		P.1 Fitness Overall
tblOffRoadEquipment	PhaseName		P.0 Utility Relocation Prep Roadway
tblOffRoadEquipment	PhaseName		P.2 Meeting Hall Overall
tblOffRoadEquipment	PhaseName		P.1 Build A Overall
tblOffRoadEquipment	PhaseName		P.2 Build C Overall
tblOffRoadEquipment	PhaseName		P.1 Fitness Overall
tblOffRoadEquipment	PhaseName		P.2 Meeting Hall Overall
tblOffRoadEquipment	PhaseName		P.1 Build A Overall
tblOffRoadEquipment	PhaseName		P.2 Build C Overall
tblOffRoadEquipment	PhaseName		P.1 Fitness Overall
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00

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

tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.70
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.30
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.30
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.80
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	8.90
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	7.50
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	8.80
tblOffRoadEquipment	UsageHours	8.00	0.00

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

tblOffRoadEquipment	UsageHours	8.00	17.10
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	4.30
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	3.40
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	4.10
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	7.70
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00

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

tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	1.80
tblOffRoadEquipment	UsageHours	8.00	0.00

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

tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	1.30
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	1.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	2.90
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOnRoadDust	PhaseName	P.3 Build C Concrete Found	P.2 Build C Concrete Found
tblOnRoadDust	PhaseName	P.3 Build C Build Frame	P.2 Build C Build Frame
tblOnRoadDust	PhaseName	P.3 Build C Building Exterior	P.2 Build C Building Exterior
tblOnRoadDust	PhaseName	P.3 Meeting Hall Excavation	P.2 Meeting Hall Excavation
tblOnRoadDust	PhaseName	P.3 Meeting Hall Overall	P.2 Meeting Hall Overall
tblOnRoadDust	PhaseName	P.3 Meeting Hall Concrete Found	P.2 Meeting Hall Concrete Found
tblOnRoadDust	PhaseName	P.3 Build C Interiors	P.2 Build C Interiors
tblOnRoadDust	PhaseName	P.3 Meeting Hall Build Frame	P.2 Meeting Hall Build Frame
tblOnRoadDust	PhaseName	P.3 Meeting Hall Build Exterior	P.2 Meeting Hall Build Exterior
tblOnRoadDust	PhaseName	P.3 Meeting Hall Interiors	P.2 Meeting Hall Interiors
tblOnRoadDust	PhaseName	P.3 Build C Excavation	P.2 Build C Excavation
tblOnRoadDust	PhaseName	P.3 Build C Overall	P.2 Build C Overall
tblSolidWaste	SolidWasteGenerationRate	6.04	0.00
tblSolidWaste	SolidWasteGenerationRate	27.30	0.00
tblSolidWaste	SolidWasteGenerationRate	23.92	0.00
tblTripsAndVMT	HaulingTripLength	20.00	10.20
tblTripsAndVMT	HaulingTripLength	20.00	10.20
tblTripsAndVMT	HaulingTripLength	20.00	10.20
tblTripsAndVMT	HaulingTripLength	20.00	10.20
tblTripsAndVMT	HaulingTripNumber	1,355.00	592.00
tblTripsAndVMT	HaulingTripNumber	0.00	230.00
tblTripsAndVMT	HaulingTripNumber	1,061.00	1,328.00

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

tblTripsAndVMT	HaulingTripNumber	0.00	8.00
tblTripsAndVMT	PhaseName	P.3 Build C Concrete Found	P.2 Build C Concrete Found
tblTripsAndVMT	PhaseName	P.3 Build C Build Frame	P.2 Build C Build Frame
tblTripsAndVMT	PhaseName	P.3 Build C Building Exterior	P.2 Build C Building Exterior
tblTripsAndVMT	PhaseName	P.3 Meeting Hall Excavation	P.2 Meeting Hall Excavation
tblTripsAndVMT	PhaseName	P.3 Meeting Hall Overall	P.2 Meeting Hall Overall
tblTripsAndVMT	PhaseName	P.3 Meeting Hall Concrete Found	P.2 Meeting Hall Concrete Found
tblTripsAndVMT	PhaseName	P.3 Build C Interiors	P.2 Build C Interiors
tblTripsAndVMT	PhaseName	P.3 Meeting Hall Build Frame	P.2 Meeting Hall Build Frame
tblTripsAndVMT	PhaseName	P.3 Meeting Hall Build Exterior	P.2 Meeting Hall Build Exterior
tblTripsAndVMT	PhaseName	P.3 Meeting Hall Interiors	P.2 Meeting Hall Interiors
tblTripsAndVMT	PhaseName	P.3 Build C Excavation	P.2 Build C Excavation
tblTripsAndVMT	PhaseName	P.3 Build C Overall	P.2 Build C Overall
tblTripsAndVMT	VendorTripNumber	36.00	6.00
tblTripsAndVMT	VendorTripNumber	36.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	3.00
tblTripsAndVMT	VendorTripNumber	0.00	3.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	36.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	3.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	36.00	0.00
tblTripsAndVMT	VendorTripNumber	36.00	11.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	36.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	36.00	0.00

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

tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	36.00	7.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	36.00	0.00
tblTripsAndVMT	VendorTripNumber	36.00	4.00
tblTripsAndVMT	VendorTripNumber	36.00	0.00
tblTripsAndVMT	VendorTripNumber	36.00	3.00
tblTripsAndVMT	WorkerTripNumber	23.00	34.00
tblTripsAndVMT	WorkerTripNumber	116.00	67.00
tblTripsAndVMT	WorkerTripNumber	116.00	52.00
tblTripsAndVMT	WorkerTripNumber	0.00	40.00
tblTripsAndVMT	WorkerTripNumber	0.00	40.00
tblTripsAndVMT	WorkerTripNumber	23.00	49.00
tblTripsAndVMT	WorkerTripNumber	23.00	100.00
tblTripsAndVMT	WorkerTripNumber	116.00	52.00
tblTripsAndVMT	WorkerTripNumber	0.00	34.00
tblTripsAndVMT	WorkerTripNumber	0.00	43.00
tblTripsAndVMT	WorkerTripNumber	0.00	34.00
tblTripsAndVMT	WorkerTripNumber	116.00	0.00
tblTripsAndVMT	WorkerTripNumber	116.00	27.00
tblTripsAndVMT	WorkerTripNumber	23.00	113.00
tblTripsAndVMT	WorkerTripNumber	116.00	17.00
tblTripsAndVMT	WorkerTripNumber	0.00	22.00
tblTripsAndVMT	WorkerTripNumber	116.00	0.00
tblTripsAndVMT	WorkerTripNumber	23.00	37.00
tblTripsAndVMT	WorkerTripNumber	116.00	48.00
tblTripsAndVMT	WorkerTripNumber	0.00	51.00
tblTripsAndVMT	WorkerTripNumber	116.00	0.00
tblTripsAndVMT	WorkerTripNumber	116.00	52.00

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

tblTripsAndVMT	WorkerTripNumber	116.00	0.00
tblTripsAndVMT	WorkerTripNumber	116.00	48.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	5.99	0.00
tblVehicleTrips	ST_TR	2.03	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	27.63	0.00
tblVehicleTrips	SU_TR	1.95	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	6.95	0.00
tblVehicleTrips	WD_TR	2.40	0.00
tblWater	IndoorWaterUseRate	62,691.73	0.00
tblWater	IndoorWaterUseRate	149,873.87	0.00
tblWater	IndoorWaterUseRate	3,388,009.33	0.00
tblWater	OutdoorWaterUseRate	38,423.97	0.00
tblWater	OutdoorWaterUseRate	234,418.11	0.00
tblWater	OutdoorWaterUseRate	2,135,918.93	0.00
tblWoodstoves	NumberCatalytic	1.04	0.00
tblWoodstoves	NumberNoncatalytic	1.04	0.00

2.0 Emissions Summary

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

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.0922	0.7978	0.9839	2.3600e-003	0.0872	0.0294	0.1166	0.0185	0.0275	0.0460	0.0000	207.8012	207.8012	0.0410	6.3100e-003	210.7071
2024	1.8877	2.1199	2.9352	5.9400e-003	0.2019	0.0807	0.2826	0.0486	0.0754	0.1240	0.0000	520.0113	520.0113	0.1079	8.1200e-003	525.1274
2025	1.7611	1.1003	1.5044	3.1900e-003	0.0977	0.0400	0.1378	0.0243	0.0373	0.0616	0.0000	280.6481	280.6481	0.0613	3.9300e-003	283.3513
Maximum	**1.8877**	**2.1199**	**2.9352**	**5.9400e-003**	**0.2019**	**0.0807**	**0.2826**	**0.0486**	**0.0754**	**0.1240**	**0.0000**	**520.0113**	**520.0113**	**0.1079**	**8.1200e-003**	**525.1274**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.0867	0.7241	0.8424	2.1300e-003	0.0702	0.0279	0.0982	0.0166	0.0262	0.0428	0.0000	188.5918	188.5918	0.0350	6.3100e-003	191.3477
2024	1.8653	1.8188	2.3443	5.0200e-003	0.1834	0.0749	0.2583	0.0466	0.0700	0.1166	0.0000	439.9216	439.9216	0.0827	8.1200e-003	444.4090
2025	1.7528	0.9881	1.2823	2.8400e-003	0.0915	0.0379	0.1293	0.0236	0.0353	0.0589	0.0000	250.5003	250.5003	0.0519	3.9300e-003	252.9668
Maximum	**1.8653**	**1.8188**	**2.3443**	**5.0200e-003**	**0.1834**	**0.0749**	**0.2583**	**0.0466**	**0.0700**	**0.1166**	**0.0000**	**439.9216**	**439.9216**	**0.0827**	**8.1200e-003**	**444.4090**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.97**	**12.12**	**17.60**	**13.05**	**10.81**	**6.26**	**9.54**	**4.99**	**6.26**	**5.77**	**0.00**	**12.84**	**12.84**	**19.32**	**0.00**	**12.80**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**7-3-2023**	**10-2-2023**	0.3783	0.3519
2	**10-3-2023**	**1-2-2024**	0.5360	0.4799
3	**1-3-2024**	**4-2-2024**	0.7456	0.6384
4	**4-3-2024**	**7-2-2024**	1.3268	1.2197
5	**7-3-2024**	**10-2-2024**	1.1841	1.1245
6	**10-3-2024**	**1-2-2025**	0.7349	0.6885
7	**1-3-2025**	**4-2-2025**	0.7168	0.6686
8	**4-3-2025**	**7-2-2025**	1.0917	1.0429
9	**7-3-2025**	**9-30-2025**	1.0410	1.0188
		Highest	1.3268	1.2197

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2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3473	3.6100e-003	0.3142	2.0000e-005		1.7400e-003	1.7400e-003		1.7400e-003	1.7400e-003	0.0000	0.5146	0.5146	5.0000e-004	0.0000	0.5271
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.3473**	**3.6100e-003**	**0.3142**	**2.0000e-005**	**0.0000**	**1.7400e-003**	**1.7400e-003**	**0.0000**	**1.7400e-003**	**1.7400e-003**	**0.0000**	**0.5146**	**0.5146**	**5.0000e-004**	**0.0000**	**0.5271**

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3473	3.6100e-003	0.3142	2.0000e-005		1.7400e-003	1.7400e-003		1.7400e-003	1.7400e-003	0.0000	0.5146	0.5146	5.0000e-004	0.0000	0.5271
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.3473**	**3.6100e-003**	**0.3142**	**2.0000e-005**	**0.0000**	**1.7400e-003**	**1.7400e-003**	**0.0000**	**1.7400e-003**	**1.7400e-003**	**0.0000**	**0.5146**	**0.5146**	**5.0000e-004**	**0.0000**	**0.5271**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	P.0 Utility Relocation Prep Roadway	Site Preparation	7/3/2023	11/14/2023	5	97	
2	P.1 Build A Excavation	Grading	7/3/2023	7/28/2023	5	20	
3	P.1 Build A Overall	Building Construction	7/3/2023	11/29/2024	5	370	

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4	P.1 Bulid A Concrete Found	Building Construction	8/1/2023	12/6/2023	5	92	
5	P.2 Build C Excavation	Grading	11/16/2023	1/11/2024	5	41	
6	P.2 Build C Overall	Building Construction	11/16/2023	8/12/2025	5	454	
7	P.1 Build A Building Frame	Building Construction	12/7/2023	3/25/2024	5	78	
8	P.1 Fitness Overall	Building Construction	12/7/2023	7/18/2024	5	161	
9	P.1 Fitness Build Found	Building Construction	12/7/2023	1/25/2024	5	36	
10	P.2 Build C Concrete Found	Building Construction	1/12/2024	7/18/2024	5	135	
11	P.1 Fitness Build Frame	Building Construction	1/26/2024	4/1/2024	5	47	
12	P.1 Build A Building Exterior	Paving	3/26/2024	6/27/2024	5	68	
13	P.1 Fitness Building Exterior	Paving	4/3/2024	5/23/2024	5	37	
14	P.1 Fitness Interiors	Architectural Coating	5/24/2024	7/19/2024	5	41	
15	P.1 Build A Interiors	Architectural Coating	6/28/2024	12/2/2024	5	112	
16	P.2 Build C Build Frame	Building Construction	7/19/2024	11/4/2024	5	77	
17	P.2 Build C Building Exterior	Paving	11/6/2024	2/12/2025	5	71	
18	P.2 Meeting Hall Excavation	Grading	12/11/2024	1/8/2025	5	21	
19	P.2 Meeting Hall Overall	Building Construction	12/11/2024	8/13/2025	5	176	
20	P.2 Meeting Hall Concrete Found	Building Construction	1/10/2025	3/24/2025	5	52	
21	P.2 Build C Interiors	Architectural Coating	2/13/2025	8/13/2025	5	130	
22	P.2 Meeting Hall Build Frame	Building Construction	3/23/2025	4/29/2025	5	27	
23	P.2 Meeting Hall Build Exterior	Paving	5/1/2025	6/19/2025	5	36	
24	P.2 Meeting Hall Interiors	Architectural Coating	6/20/2025	8/14/2025	5	40	

Acres of Grading (Site Preparation Phase): 7.5

Acres of Grading (Grading Phase): 8

Acres of Paving: 2.29

Residential Indoor: 214,828; Residential Outdoor: 71,609; Non-Residential Indoor: 8,786; Non-Residential Outdoor: 2,929; Striped Parking Area: 10,875 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
P.0 Utility Relocation Prep Roadway	Cement and Mortar Mixers	1	0.40	9	0.56
P.0 Utility Relocation Prep Roadway	Excavators	1	5.40	273	0.38
P.0 Utility Relocation Prep Roadway	Generator Sets	1	5.40	40.2	0.74
P.0 Utility Relocation Prep Roadway	Graders	1	0.40	187	0.41
P.0 Utility Relocation Prep Roadway	Other Construction Equipment	1	1.70	157	0.42
P.0 Utility Relocation Prep Roadway	Pavers	1	0.30	74.8	0.42
P.0 Utility Relocation Prep Roadway	Paving Equipment	1	0.30	74	0.36
P.0 Utility Relocation Prep Roadway	Plate Compactors	1	0.30	9	0.43
P.0 Utility Relocation Prep Roadway	Rubber Tired Dozers	0	0.00	247	0.40
P.0 Utility Relocation Prep Roadway	Skid Steer Loaders	1	5.40	74.3	0.37
P.0 Utility Relocation Prep Roadway	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.1 Build A Excavation	Excavators	0	0.00	158	0.38
P.1 Build A Excavation	Graders	0	0.00	187	0.41
P.1 Build A Excavation	Rubber Tired Dozers	0	0.00	247	0.40
P.1 Build A Excavation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.2 Build C Excavation	Excavators	0	0.00	158	0.38
P.2 Build C Excavation	Graders	0	0.00	187	0.41
P.2 Build C Excavation	Rubber Tired Dozers	0	0.00	247	0.40
P.2 Build C Excavation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.2 Meeting Hall Excavation	Excavators	0	0.00	158	0.38
P.2 Meeting Hall Excavation	Graders	0	0.00	187	0.41
P.2 Meeting Hall Excavation	Rubber Tired Dozers	0	0.00	247	0.40
P.2 Meeting Hall Excavation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.1 Build A Overall	Aerial Lifts	1	9.90	63	0.31
P.1 Build A Overall	Air Compressors	1	0.10	49	0.48
P.1 Build A Overall	Bore/Drill Rigs	1	0.70	100	0.50
P.1 Build A Overall	Cement and Mortar Mixers	1	1.50	9	0.56
P.1 Build A Overall	Cranes	1	0.30	408	0.29

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P.1 Build A Overall	Excavators	1	1.10	273	0.38
P.1 Build A Overall	Forklifts	1	7.50	110	0.20
P.1 Build A Overall	Generator Sets	1	3.40	40.2	0.74
P.1 Build A Overall	Other Construction Equipment	1	0.10	157	0.42
P.1 Build A Overall	Pavers	1	0.10	74.8	0.42
P.1 Build A Overall	Paving Equipment	1	0.10	74	0.36
P.1 Build A Overall	Rollers	1	0.10	74	0.38
P.1 Build A Overall	Rubber Tired Dozers	1	1.10	215	0.40
P.1 Build A Overall	Skid Steer Loaders	1	5.50	74.3	0.37
P.1 Build A Overall	Sweepers/Scrubbers	1	0.40	99	0.46
P.1 Build A Overall	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.1 Build A Overall	Welders	1	1.30	24.2	0.45
P.1 Bulid A Concrete Found	Cranes	0	0.00	231	0.29
P.1 Bulid A Concrete Found	Forklifts	0	0.00	89	0.20
P.1 Bulid A Concrete Found	Generator Sets	0	0.00	84	0.74
P.1 Bulid A Concrete Found	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.1 Bulid A Concrete Found	Welders	0	0.00	46	0.45
P.2 Build C Overall	Aerial Lifts	1	9.50	63	0.31
P.2 Build C Overall	Air Compressors	1	0.10	49	0.48
P.2 Build C Overall	Bore/Drill Rigs	1	0.50	100	0.50
P.2 Build C Overall	Cement and Mortar Mixers	1	1.20	9	0.56
P.2 Build C Overall	Cranes	1	0.30	408	0.29
P.2 Build C Overall	Excavators	1	1.30	273	0.38
P.2 Build C Overall	Forklifts	1	8.80	110	0.20
P.2 Build C Overall	Generator Sets	1	4.10	40.2	0.74
P.2 Build C Overall	Other Construction Equipment	1	0.10	157	0.42
P.2 Build C Overall	Pavers	1	0.10	74.8	0.42
P.2 Build C Overall	Paving Equipment	1	0.10	74	0.36
P.2 Build C Overall	Rollers	1	0.10	74	0.38

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P.2 Build C Overall	Rubber Tired Dozers	1	1.30	215	0.40
P.2 Build C Overall	Skid Steer Loaders	1	4.60	74.3	0.37
P.2 Build C Overall	Sweepers/Scrubbers	1	0.50	99	0.46
P.2 Build C Overall	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.2 Build C Overall	Welders	1	1.00	24.2	0.45
P.1 Build A Building Frame	Cranes	0	0.00	231	0.29
P.1 Build A Building Frame	Forklifts	0	0.00	89	0.20
P.1 Build A Building Frame	Generator Sets	0	0.00	84	0.74
P.1 Build A Building Frame	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.1 Build A Building Frame	Welders	0	0.00	46	0.45
P.1 Fitness Overall	Aerial Lifts	1	22.90	63	0.31
P.1 Fitness Overall	Air Compressors	1	0.10	49	0.48
P.1 Fitness Overall	Cement and Mortar Mixers	1	3.50	9	0.56
P.1 Fitness Overall	Cranes	1	0.80	408	0.29
P.1 Fitness Overall	Excavators	1	0.50	273	0.38
P.1 Fitness Overall	Forklifts	1	17.10	110	0.20
P.1 Fitness Overall	Generator Sets	1	7.70	40.2	0.74
P.1 Fitness Overall	Other Construction Equipment	1	0.30	157	0.42
P.1 Fitness Overall	Pavers	1	0.10	74.8	0.42
P.1 Fitness Overall	Paving Equipment	1	0.10	74	0.36
P.1 Fitness Overall	Rollers	1	0.10	74	0.38
P.1 Fitness Overall	Rubber Tired Dozers	1	0.50	215	0.40
P.1 Fitness Overall	Skid Steer Loaders	1	12.60	74.3	0.37
P.1 Fitness Overall	Sweepers/Scrubbers	1	1.00	99	0.46
P.1 Fitness Overall	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.1 Fitness Overall	Welders	1	2.90	24.2	0.45
P.1 Fitness Build Found	Cranes	0	0.00	231	0.29
P.1 Fitness Build Found	Forklifts	0	0.00	89	0.20
P.1 Fitness Build Found	Generator Sets	0	0.00	84	0.74

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P.1 Fitness Build Found	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.1 Fitness Build Found	Welders	0	0.00	46	0.45
P.2 Build C Concrete Found	Cranes	0	0.00	231	0.29
P.2 Build C Concrete Found	Forklifts	0	0.00	89	0.20
P.2 Build C Concrete Found	Generator Sets	0	0.00	84	0.74
P.2 Build C Concrete Found	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.2 Build C Concrete Found	Welders	0	0.00	46	0.45
P.1 Fitness Build Frame	Cranes	0	0.00	231	0.29
P.1 Fitness Build Frame	Forklifts	0	0.00	89	0.20
P.1 Fitness Build Frame	Generator Sets	0	0.00	84	0.74
P.1 Fitness Build Frame	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.1 Fitness Build Frame	Welders	0	0.00	46	0.45
P.2 Build C Build Frame	Cranes	0	0.00	231	0.29
P.2 Build C Build Frame	Forklifts	0	0.00	89	0.20
P.2 Build C Build Frame	Generator Sets	0	0.00	84	0.74
P.2 Build C Build Frame	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.2 Build C Build Frame	Welders	0	0.00	46	0.45
P.2 Meeting Hall Overall	Aerial Lifts	1	10.00	63	0.31
P.2 Meeting Hall Overall	Air Compressors	1	0.10	49	0.48
P.2 Meeting Hall Overall	Bore/Drill Rigs	1	1.80	100	0.50
P.2 Meeting Hall Overall	Cement and Mortar Mixers	1	1.60	9	0.56
P.2 Meeting Hall Overall	Cranes	1	0.70	408	0.29
P.2 Meeting Hall Overall	Excavators	1	2.50	273	0.38
P.2 Meeting Hall Overall	Forklifts	1	8.90	110	0.20
P.2 Meeting Hall Overall	Generator Sets	1	4.30	40.2	0.74
P.2 Meeting Hall Overall	Other Construction Equipment	1	0.20	157	0.42
P.2 Meeting Hall Overall	Pavers	1	0.10	74.8	0.42
P.2 Meeting Hall Overall	Paving Equipment	1	0.10	74	0.36
P.2 Meeting Hall Overall	Rollers	1	0.10	74	0.38

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P.2 Meeting Hall Overall	Rubber Tired Dozers	1	2.50	215	0.40
P.2 Meeting Hall Overall	Skid Steer Loaders	1	14.40	74.3	0.37
P.2 Meeting Hall Overall	Sweepers/Scrubbers	1	0.90	99	0.46
P.2 Meeting Hall Overall	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.2 Meeting Hall Overall	Welders	1	1.80	24.2	0.45
P.2 Meeting Hall Concrete Found	Cranes	0	0.00	231	0.29
P.2 Meeting Hall Concrete Found	Forklifts	0	0.00	89	0.20
P.2 Meeting Hall Concrete Found	Generator Sets	0	0.00	84	0.74
P.2 Meeting Hall Concrete Found	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.2 Meeting Hall Concrete Found	Welders	0	0.00	46	0.45
P.2 Meeting Hall Build Frame	Cranes	0	0.00	231	0.29
P.2 Meeting Hall Build Frame	Forklifts	0	0.00	89	0.20
P.2 Meeting Hall Build Frame	Generator Sets	0	0.00	84	0.74
P.2 Meeting Hall Build Frame	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.2 Meeting Hall Build Frame	Welders	0	0.00	46	0.45
P.1 Build A Building Exterior	Cement and Mortar Mixers	0	0.00	9	0.56
P.1 Build A Building Exterior	Pavers	0	0.00	130	0.42
P.1 Build A Building Exterior	Paving Equipment	0	0.00	132	0.36
P.1 Build A Building Exterior	Rollers	0	0.00	80	0.38
P.1 Build A Building Exterior	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.1 Fitness Building Exterior	Cement and Mortar Mixers	0	0.00	9	0.56
P.1 Fitness Building Exterior	Pavers	0	0.00	130	0.42
P.1 Fitness Building Exterior	Paving Equipment	0	0.00	132	0.36
P.1 Fitness Building Exterior	Rollers	0	0.00	80	0.38
P.1 Fitness Building Exterior	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.2 Build C Building Exterior	Cement and Mortar Mixers	0	0.00	9	0.56
P.2 Build C Building Exterior	Pavers	0	0.00	130	0.42
P.2 Build C Building Exterior	Paving Equipment	0	0.00	132	0.36
P.2 Build C Building Exterior	Rollers	0	0.00	80	0.38

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P.2 Build C Building Exterior	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.2 Meeting Hall Build Exterior	Cement and Mortar Mixers	0	0.00	9	0.56
P.2 Meeting Hall Build Exterior	Pavers	0	0.00	130	0.42
P.2 Meeting Hall Build Exterior	Paving Equipment	0	0.00	132	0.36
P.2 Meeting Hall Build Exterior	Rollers	0	0.00	80	0.38
P.2 Meeting Hall Build Exterior	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.1 Fitness Interiors	Air Compressors	0	0.00	78	0.48
P.1 Build A Interiors	Air Compressors	0	0.00	78	0.48
P.2 Build C Interiors	Air Compressors	0	0.00	78	0.48
P.2 Meeting Hall Interiors	Air Compressors	0	0.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
P.0 Utility Relocation Prep Roadway	9	34.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.1 Build A Excavation	0	34.00	2.00	592.00	10.80	7.30	10.20	LD_Mix	HDT_Mix	HHDT
P.2 Build C Excavation	0	51.00	1.00	1,328.00	10.80	7.30	10.20	LD_Mix	HDT_Mix	HHDT
P.2 Meeting Hall Excavation	0	34.00	2.00	230.00	10.80	7.30	10.20	LD_Mix	HDT_Mix	HHDT
P.1 Build A Overall	16	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.1 Bulid A Concrete Found	0	48.00	7.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.2 Build C Overall	16	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.1 Build A Building Frame	0	52.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.1 Fitness Overall	15	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.1 Fitness Build Found	0	48.00	3.00	8.00	10.80	7.30	10.20	LD_Mix	HDT_Mix	HHDT
P.2 Build C Concrete Found	0	67.00	6.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.1 Fitness Build Frame	0	52.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.2 Build C Build Frame	0	52.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.2 Meeting Hall Overall	16	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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

P.2 Meeting Hall Concrete Found	0	27.00	11.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.2 Meeting Hall Build Frame	0	17.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.1 Build A Building Exterior	0	40.00	3.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.1 Fitness Building Exterior	0	40.00	3.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.2 Build C Building Exterior	0	43.00	3.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.2 Meeting Hall Build Exterior	0	22.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.1 Fitness Interiors	0	49.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.1 Build A Interiors	0	100.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.2 Build C Interiors	0	113.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.2 Meeting Hall Interiors	0	37.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Water Exposed Area

3.2 P.0 Utility Relocation Prep Roadway - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.9800e-003	0.0000	3.9800e-003	4.3000e-004	0.0000	4.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0235	0.1996	0.2293	5.7000e-004		7.4800e-003	7.4800e-003		7.0500e-003	7.0500e-003	0.0000	48.6060	48.6060	0.0136	0.0000	48.9447
Total	**0.0235**	**0.1996**	**0.2293**	**5.7000e-004**	**3.9800e-003**	**7.4800e-003**	**0.0115**	**4.3000e-004**	**7.0500e-003**	**7.4800e-003**	**0.0000**	**48.6060**	**48.6060**	**0.0136**	**0.0000**	**48.9447**

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

3.2 P.0 Utility Relocation Prep Roadway - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1200e-003	2.8700e-003	0.0369	1.1000e-004	0.0131	6.0000e-005	0.0131	3.4800e-003	6.0000e-005	3.5400e-003	0.0000	10.0813	10.0813	2.9000e-004	2.8000e-004	10.1711
Total	**4.1200e-003**	**2.8700e-003**	**0.0369**	**1.1000e-004**	**0.0131**	**6.0000e-005**	**0.0131**	**3.4800e-003**	**6.0000e-005**	**3.5400e-003**	**0.0000**	**10.0813**	**10.0813**	**2.9000e-004**	**2.8000e-004**	**10.1711**

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					1.7900e-003	0.0000	1.7900e-003	1.9000e-004	0.0000	1.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0234	0.1987	0.2285	5.7000e-004		7.4400e-003	7.4400e-003		7.0200e-003	7.0200e-003	0.0000	48.4948	48.4948	0.0135	0.0000	48.8332
Total	**0.0234**	**0.1987**	**0.2285**	**5.7000e-004**	**1.7900e-003**	**7.4400e-003**	**9.2300e-003**	**1.9000e-004**	**7.0200e-003**	**7.2100e-003**	**0.0000**	**48.4948**	**48.4948**	**0.0135**	**0.0000**	**48.8332**

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

3.2 P.0 Utility Relocation Prep Roadway - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1200e-003	2.8700e-003	0.0369	1.1000e-004	0.0131	6.0000e-005	0.0131	3.4800e-003	6.0000e-005	3.5400e-003	0.0000	10.0813	10.0813	2.9000e-004	2.8000e-004	10.1711
Total	**4.1200e-003**	**2.8700e-003**	**0.0369**	**1.1000e-004**	**0.0131**	**6.0000e-005**	**0.0131**	**3.4800e-003**	**6.0000e-005**	**3.5400e-003**	**0.0000**	**10.0813**	**10.0813**	**2.9000e-004**	**2.8000e-004**	**10.1711**

3.3 P.1 Build A Excavation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.6000e-003	0.0000	4.6000e-003	5.1000e-004	0.0000	5.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**4.6000e-003**	**0.0000**	**4.6000e-003**	**5.1000e-004**	**0.0000**	**5.1000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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3.3 P.1 Build A Excavation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.5000e-004	0.0231	6.8000e-003	9.0000e-005	2.5600e-003	1.7000e-004	2.7300e-003	7.1000e-004	1.6000e-004	8.7000e-004	0.0000	9.3910	9.3910	3.2000e-004	1.4900e-003	9.8426
Vendor	2.0000e-005	8.9000e-004	2.8000e-004	0.0000	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.3977	0.3977	1.0000e-005	6.0000e-005	0.4153
Worker	8.5000e-004	5.9000e-004	7.6100e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	2.0786	2.0786	6.0000e-005	6.0000e-005	2.0971
Total	**1.3200e-003**	**0.0246**	**0.0147**	**1.1000e-004**	**5.3900e-003**	**1.9000e-004**	**5.5800e-003**	**1.4700e-003**	**1.8000e-004**	**1.6400e-003**	**0.0000**	**11.8673**	**11.8673**	**3.9000e-004**	**1.6100e-003**	**12.3550**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.0700e-003	0.0000	2.0700e-003	2.3000e-004	0.0000	2.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**2.0700e-003**	**0.0000**	**2.0700e-003**	**2.3000e-004**	**0.0000**	**2.3000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.3 P.1 Build A Excavation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.5000e-004	0.0231	6.8000e-003	9.0000e-005	2.5600e-003	1.7000e-004	2.7300e-003	7.1000e-004	1.6000e-004	8.7000e-004	0.0000	9.3910	9.3910	3.2000e-004	1.4900e-003	9.8426
Vendor	2.0000e-005	8.9000e-004	2.8000e-004	0.0000	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.3977	0.3977	1.0000e-005	6.0000e-005	0.4153
Worker	8.5000e-004	5.9000e-004	7.6100e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	2.0786	2.0786	6.0000e-005	6.0000e-005	2.0971
Total	**1.3200e-003**	**0.0246**	**0.0147**	**1.1000e-004**	**5.3900e-003**	**1.9000e-004**	**5.5800e-003**	**1.4700e-003**	**1.8000e-004**	**1.6400e-003**	**0.0000**	**11.8673**	**11.8673**	**3.9000e-004**	**1.6100e-003**	**12.3550**

3.4 P.1 Build A Overall - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0347	0.3367	0.3947	7.0000e-004		0.0140	0.0140		0.0131	0.0131	0.0000	59.5763	59.5763	0.0171	0.0000	60.0036
Total	**0.0347**	**0.3367**	**0.3947**	**7.0000e-004**		**0.0140**	**0.0140**		**0.0131**	**0.0131**	**0.0000**	**59.5763**	**59.5763**	**0.0171**	**0.0000**	**60.0036**

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3.4 P.1 Build A Overall - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0312	0.2893	0.3031	5.6000e-004		0.0131	0.0131		0.0122	0.0122	0.0000	47.1511	47.1511	0.0132	0.0000	47.4810
Total	**0.0312**	**0.2893**	**0.3031**	**5.6000e-004**		**0.0131**	**0.0131**		**0.0122**	**0.0122**	**0.0000**	**47.1511**	**47.1511**	**0.0132**	**0.0000**	**47.4810**

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

3.4 P.1 Build A Overall - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 P.1 Build A Overall - 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	0.0613	0.5975	0.7267	1.2900e-003		0.0236	0.0236		0.0220	0.0220	0.0000	109.9868	109.9868	0.0315	0.0000	110.7730
Total	**0.0613**	**0.5975**	**0.7267**	**1.2900e-003**		**0.0236**	**0.0236**		**0.0220**	**0.0220**	**0.0000**	**109.9868**	**109.9868**	**0.0315**	**0.0000**	**110.7730**

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3.4 P.1 Build A Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0549	0.5111	0.5574	1.0300e-003		0.0219	0.0219		0.0205	0.0205	0.0000	87.0479	87.0479	0.0243	0.0000	87.6543
Total	**0.0549**	**0.5111**	**0.5574**	**1.0300e-003**		**0.0219**	**0.0219**		**0.0205**	**0.0205**	**0.0000**	**87.0479**	**87.0479**	**0.0243**	**0.0000**	**87.6543**

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3.4 P.1 Build A Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 P.1 Bulid A Concrete Found - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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3.5 P.1 Bulid A Concrete Found - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.5000e-004	0.0143	4.5200e-003	7.0000e-005	2.1200e-003	8.0000e-005	2.2000e-003	6.1000e-004	8.0000e-005	6.9000e-004	0.0000	6.4023	6.4023	1.3000e-004	9.4000e-004	6.6860
Worker	5.5200e-003	3.8400e-003	0.0494	1.5000e-004	0.0175	9.0000e-005	0.0176	4.6600e-003	8.0000e-005	4.7400e-003	0.0000	13.4988	13.4988	3.8000e-004	3.7000e-004	13.6190
Total	**5.8700e-003**	**0.0182**	**0.0539**	**2.2000e-004**	**0.0196**	**1.7000e-004**	**0.0198**	**5.2700e-003**	**1.6000e-004**	**5.4300e-003**	**0.0000**	**19.9011**	**19.9011**	**5.1000e-004**	**1.3100e-003**	**20.3050**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction (Alt 2) - Santa Clara County, Annual

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

3.5 P.1 Bulid A Concrete Found - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.5000e-004	0.0143	4.5200e-003	7.0000e-005	2.1200e-003	8.0000e-005	2.2000e-003	6.1000e-004	8.0000e-005	6.9000e-004	0.0000	6.4023	6.4023	1.3000e-004	9.4000e-004	6.6860
Worker	5.5200e-003	3.8400e-003	0.0494	1.5000e-004	0.0175	9.0000e-005	0.0176	4.6600e-003	8.0000e-005	4.7400e-003	0.0000	13.4988	13.4988	3.8000e-004	3.7000e-004	13.6190
Total	**5.8700e-003**	**0.0182**	**0.0539**	**2.2000e-004**	**0.0196**	**1.7000e-004**	**0.0198**	**5.2700e-003**	**1.6000e-004**	**5.4300e-003**	**0.0000**	**19.9011**	**19.9011**	**5.1000e-004**	**1.3100e-003**	**20.3050**

3.6 P.2 Build C Excavation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0223	0.0000	0.0223	2.4400e-003	0.0000	2.4400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0223**	**0.0000**	**0.0223**	**2.4400e-003**	**0.0000**	**2.4400e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction (Alt 2) - Santa Clara County, Annual

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

3.6 P.2 Build C Excavation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.9000e-004	0.0404	0.0119	1.7000e-004	4.4900e-003	2.9000e-004	4.7800e-003	1.2400e-003	2.8000e-004	1.5200e-003	0.0000	16.4420	16.4420	5.5000e-004	2.6100e-003	17.2326
Vendor	2.0000e-005	7.1000e-004	2.2000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.3181	0.3181	1.0000e-005	5.0000e-005	0.3322
Worker	2.0400e-003	1.4200e-003	0.0183	5.0000e-005	6.4700e-003	3.0000e-005	6.5000e-003	1.7200e-003	3.0000e-005	1.7500e-003	0.0000	4.9887	4.9887	1.4000e-004	1.4000e-004	5.0331
Total	**2.8500e-003**	**0.0426**	**0.0304**	**2.2000e-004**	**0.0111**	**3.2000e-004**	**0.0114**	**2.9900e-003**	**3.1000e-004**	**3.3000e-003**	**0.0000**	**21.7488**	**21.7488**	**7.0000e-004**	**2.8000e-003**	**22.5979**

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					0.0100	0.0000	0.0100	1.1000e-003	0.0000	1.1000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0100**	**0.0000**	**0.0100**	**1.1000e-003**	**0.0000**	**1.1000e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction (Alt 2) - Santa Clara County, Annual

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

3.6 P.2 Build C Excavation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.9000e-004	0.0404	0.0119	1.7000e-004	4.4900e-003	2.9000e-004	4.7800e-003	1.2400e-003	2.8000e-004	1.5200e-003	0.0000	16.4420	16.4420	5.5000e-004	2.6100e-003	17.2326
Vendor	2.0000e-005	7.1000e-004	2.2000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.3181	0.3181	1.0000e-005	5.0000e-005	0.3322
Worker	2.0400e-003	1.4200e-003	0.0183	5.0000e-005	6.4700e-003	3.0000e-005	6.5000e-003	1.7200e-003	3.0000e-005	1.7500e-003	0.0000	4.9887	4.9887	1.4000e-004	1.4000e-004	5.0331
Total	**2.8500e-003**	**0.0426**	**0.0304**	**2.2000e-004**	**0.0111**	**3.2000e-004**	**0.0114**	**2.9900e-003**	**3.1000e-004**	**3.3000e-003**	**0.0000**	**21.7488**	**21.7488**	**7.0000e-004**	**2.8000e-003**	**22.5979**

3.6 P.2 Build C Excavation - 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					0.0223	0.0000	0.0223	2.4400e-003	0.0000	2.4400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0223**	**0.0000**	**0.0223**	**2.4400e-003**	**0.0000**	**2.4400e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction (Alt 2) - Santa Clara County, Annual

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

3.6 P.2 Build C Excavation - 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	2.2000e-004	0.0114	3.3700e-003	5.0000e-005	1.2600e-003	8.0000e-005	1.3500e-003	3.5000e-004	8.0000e-005	4.3000e-004	0.0000	4.5511	4.5511	1.5000e-004	7.2000e-004	4.7700
Vendor	0.0000	2.0000e-004	6.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0882	0.0882	0.0000	1.0000e-005	0.0921
Worker	5.4000e-004	3.6000e-004	4.8000e-003	1.0000e-005	1.8200e-003	1.0000e-005	1.8300e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.3690	1.3690	4.0000e-005	4.0000e-005	1.3807
Total	**7.6000e-004**	**0.0119**	**8.2300e-003**	**6.0000e-005**	**3.1100e-003**	**9.0000e-005**	**3.2100e-003**	**8.4000e-004**	**9.0000e-005**	**9.3000e-004**	**0.0000**	**6.0083**	**6.0083**	**1.9000e-004**	**7.7000e-004**	**6.2427**

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					0.0100	0.0000	0.0100	1.1000e-003	0.0000	1.1000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0100**	**0.0000**	**0.0100**	**1.1000e-003**	**0.0000**	**1.1000e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.6 P.2 Build C Excavation - 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	2.2000e-004	0.0114	3.3700e-003	5.0000e-005	1.2600e-003	8.0000e-005	1.3500e-003	3.5000e-004	8.0000e-005	4.3000e-004	0.0000	4.5511	4.5511	1.5000e-004	7.2000e-004	4.7700
Vendor	0.0000	2.0000e-004	6.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0882	0.0882	0.0000	1.0000e-005	0.0921
Worker	5.4000e-004	3.6000e-004	4.8000e-003	1.0000e-005	1.8200e-003	1.0000e-005	1.8300e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.3690	1.3690	4.0000e-005	4.0000e-005	1.3807
Total	**7.6000e-004**	**0.0119**	**8.2300e-003**	**6.0000e-005**	**3.1100e-003**	**9.0000e-005**	**3.2100e-003**	**8.4000e-004**	**9.0000e-005**	**9.3000e-004**	**0.0000**	**6.0083**	**6.0083**	**1.9000e-004**	**7.7000e-004**	**6.2427**

3.7 P.2 Build C Overall - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.2800e-003	0.0886	0.1008	1.8000e-004		3.7600e-003	3.7600e-003		3.5100e-003	3.5100e-003	0.0000	15.3908	15.3908	4.3700e-003	0.0000	15.5001
Total	**9.2800e-003**	**0.0886**	**0.1008**	**1.8000e-004**		**3.7600e-003**	**3.7600e-003**		**3.5100e-003**	**3.5100e-003**	**0.0000**	**15.3908**	**15.3908**	**4.3700e-003**	**0.0000**	**15.5001**

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

3.7 P.2 Build C Overall - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.4800e-003	0.0775	0.0793	1.5000e-004		3.5500e-003	3.5500e-003		3.3200e-003	3.3200e-003	0.0000	12.4778	12.4778	3.4500e-003	0.0000	12.5641
Total	**8.4800e-003**	**0.0775**	**0.0793**	**1.5000e-004**		**3.5500e-003**	**3.5500e-003**		**3.3200e-003**	**3.3200e-003**	**0.0000**	**12.4778**	**12.4778**	**3.4500e-003**	**0.0000**	**12.5641**

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

3.7 P.2 Build C Overall - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 P.2 Build C Overall - 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	0.0727	0.6967	0.8225	1.4800e-003		0.0281	0.0281		0.0262	0.0262	0.0000	126.0100	126.0100	0.0356	0.0000	126.9008
Total	**0.0727**	**0.6967**	**0.8225**	**1.4800e-003**		**0.0281**	**0.0281**		**0.0262**	**0.0262**	**0.0000**	**126.0100**	**126.0100**	**0.0356**	**0.0000**	**126.9008**

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

3.7 P.2 Build C Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0661	0.6076	0.6464	1.2100e-003		0.0264	0.0264		0.0246	0.0246	0.0000	102.1598	102.1598	0.0281	0.0000	102.8627
Total	**0.0661**	**0.6076**	**0.6464**	**1.2100e-003**		**0.0264**	**0.0264**		**0.0246**	**0.0246**	**0.0000**	**102.1598**	**102.1598**	**0.0281**	**0.0000**	**102.8627**

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

3.7 P.2 Build C Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 P.2 Build C Overall - 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	0.0416	0.4013	0.4981	9.1000e-004		0.0152	0.0152		0.0142	0.0142	0.0000	76.9547	76.9547	0.0217	0.0000	77.4973
Total	**0.0416**	**0.4013**	**0.4981**	**9.1000e-004**		**0.0152**	**0.0152**		**0.0142**	**0.0142**	**0.0000**	**76.9547**	**76.9547**	**0.0217**	**0.0000**	**77.4973**

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

3.7 P.2 Build C Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0376	0.3475	0.3907	7.4000e-004		0.0141	0.0141		0.0132	0.0132	0.0000	62.3897	62.3897	0.0171	0.0000	62.8175
Total	**0.0376**	**0.3475**	**0.3907**	**7.4000e-004**		**0.0141**	**0.0141**		**0.0132**	**0.0132**	**0.0000**	**62.3897**	**62.3897**	**0.0171**	**0.0000**	**62.8175**

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

3.7 P.2 Build C Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.8 P.1 Build A Building Frame - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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3.8 P.1 Build A Building Frame - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	1.5100e-003	4.8000e-004	1.0000e-005	2.2000e-004	1.0000e-005	2.3000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.6760	0.6760	1.0000e-005	1.0000e-004	0.7060
Worker	1.1000e-003	7.7000e-004	9.8900e-003	3.0000e-005	3.5100e-003	2.0000e-005	3.5200e-003	9.3000e-004	2.0000e-005	9.5000e-004	0.0000	2.7022	2.7022	8.0000e-005	7.0000e-005	2.7263
Total	**1.1400e-003**	**2.2800e-003**	**0.0104**	**4.0000e-005**	**3.7300e-003**	**3.0000e-005**	**3.7500e-003**	**9.9000e-004**	**3.0000e-005**	**1.0200e-003**	**0.0000**	**3.3782**	**3.3782**	**9.0000e-005**	**1.7000e-004**	**3.4322**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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3.8 P.1 Build A Building Frame - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	1.5100e-003	4.8000e-004	1.0000e-005	2.2000e-004	1.0000e-005	2.3000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.6760	0.6760	1.0000e-005	1.0000e-004	0.7060
Worker	1.1000e-003	7.7000e-004	9.8900e-003	3.0000e-005	3.5100e-003	2.0000e-005	3.5200e-003	9.3000e-004	2.0000e-005	9.5000e-004	0.0000	2.7022	2.7022	8.0000e-005	7.0000e-005	2.7263
Total	**1.1400e-003**	**2.2800e-003**	**0.0104**	**4.0000e-005**	**3.7300e-003**	**3.0000e-005**	**3.7500e-003**	**9.9000e-004**	**3.0000e-005**	**1.0200e-003**	**0.0000**	**3.3782**	**3.3782**	**9.0000e-005**	**1.7000e-004**	**3.4322**

3.8 P.1 Build A Building Frame - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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3.8 P.1 Build A Building Frame - 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	1.3000e-004	5.4400e-003	1.6800e-003	2.0000e-005	8.0000e-004	3.0000e-005	8.4000e-004	2.3000e-004	3.0000e-005	2.6000e-004	0.0000	2.3901	2.3901	5.0000e-005	3.5000e-004	2.4958
Worker	3.7200e-003	2.4700e-003	0.0332	1.0000e-004	0.0126	6.0000e-005	0.0126	3.3500e-003	5.0000e-005	3.4000e-003	0.0000	9.4609	9.4609	2.5000e-004	2.5000e-004	9.5413
Total	**3.8500e-003**	**7.9100e-003**	**0.0349**	**1.2000e-004**	**0.0134**	**9.0000e-005**	**0.0135**	**3.5800e-003**	**8.0000e-005**	**3.6600e-003**	**0.0000**	**11.8509**	**11.8509**	**3.0000e-004**	**6.0000e-004**	**12.0370**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.8 P.1 Build A Building Frame - 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	1.3000e-004	5.4400e-003	1.6800e-003	2.0000e-005	8.0000e-004	3.0000e-005	8.4000e-004	2.3000e-004	3.0000e-005	2.6000e-004	0.0000	2.3901	2.3901	5.0000e-005	3.5000e-004	2.4958
Worker	3.7200e-003	2.4700e-003	0.0332	1.0000e-004	0.0126	6.0000e-005	0.0126	3.3500e-003	5.0000e-005	3.4000e-003	0.0000	9.4609	9.4609	2.5000e-004	2.5000e-004	9.5413
Total	**3.8500e-003**	**7.9100e-003**	**0.0349**	**1.2000e-004**	**0.0134**	**9.0000e-005**	**0.0135**	**3.5800e-003**	**8.0000e-005**	**3.6600e-003**	**0.0000**	**11.8509**	**11.8509**	**3.0000e-004**	**6.0000e-004**	**12.0370**

3.9 P.1 Fitness Overall - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.3200e-003	0.0805	0.1034	1.7000e-004		3.3200e-003	3.3200e-003		3.1100e-003	3.1100e-003	0.0000	14.1900	14.1900	3.9500e-003	0.0000	14.2887
Total	**8.3200e-003**	**0.0805**	**0.1034**	**1.7000e-004**		**3.3200e-003**	**3.3200e-003**		**3.1100e-003**	**3.1100e-003**	**0.0000**	**14.1900**	**14.1900**	**3.9500e-003**	**0.0000**	**14.2887**

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

3.9 P.1 Fitness Overall - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.2500e-003	0.0662	0.0757	1.2000e-004		3.0400e-003	3.0400e-003		2.8500e-003	2.8500e-003	0.0000	10.4301	10.4301	2.7700e-003	0.0000	10.4993
Total	**7.2500e-003**	**0.0662**	**0.0757**	**1.2000e-004**		**3.0400e-003**	**3.0400e-003**		**2.8500e-003**	**2.8500e-003**	**0.0000**	**10.4301**	**10.4301**	**2.7700e-003**	**0.0000**	**10.4993**

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3.9 P.1 Fitness Overall - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.9 P.1 Fitness Overall - 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	0.0668	0.6528	0.8724	1.4200e-003		0.0252	0.0252		0.0236	0.0236	0.0000	120.2025	120.2025	0.0333	0.0000	121.0356
Total	**0.0668**	**0.6528**	**0.8724**	**1.4200e-003**		**0.0252**	**0.0252**		**0.0236**	**0.0236**	**0.0000**	**120.2025**	**120.2025**	**0.0333**	**0.0000**	**121.0356**

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3.9 P.1 Fitness Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0578	0.5327	0.6375	1.0500e-003		0.0229	0.0229		0.0215	0.0215	0.0000	88.3536	88.3536	0.0233	0.0000	88.9372
Total	**0.0578**	**0.5327**	**0.6375**	**1.0500e-003**		**0.0229**	**0.0229**		**0.0215**	**0.0215**	**0.0000**	**88.3536**	**88.3536**	**0.0233**	**0.0000**	**88.9372**

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

3.9 P.1 Fitness Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.10 P.1 Fitness Build Found - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.10 P.1 Fitness Build Found - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	1.5000e-004	4.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0599	0.0599	0.0000	1.0000e-005	0.0628
Vendor	3.0000e-005	1.1400e-003	3.6000e-004	1.0000e-005	1.7000e-004	1.0000e-005	1.7000e-004	5.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.5070	0.5070	1.0000e-005	7.0000e-005	0.5295
Worker	1.0200e-003	7.1000e-004	9.1300e-003	3.0000e-005	3.2400e-003	2.0000e-005	3.2500e-003	8.6000e-004	1.0000e-005	8.8000e-004	0.0000	2.4943	2.4943	7.0000e-005	7.0000e-005	2.5166
Total	**1.0500e-003**	**2.0000e-003**	**9.5300e-003**	**4.0000e-005**	**3.4300e-003**	**3.0000e-005**	**3.4400e-003**	**9.1000e-004**	**2.0000e-005**	**9.4000e-004**	**0.0000**	**3.0613**	**3.0613**	**8.0000e-005**	**1.5000e-004**	**3.1089**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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3.10 P.1 Fitness Build Found - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	1.5000e-004	4.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0599	0.0599	0.0000	1.0000e-005	0.0628
Vendor	3.0000e-005	1.1400e-003	3.6000e-004	1.0000e-005	1.7000e-004	1.0000e-005	1.7000e-004	5.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.5070	0.5070	1.0000e-005	7.0000e-005	0.5295
Worker	1.0200e-003	7.1000e-004	9.1300e-003	3.0000e-005	3.2400e-003	2.0000e-005	3.2500e-003	8.6000e-004	1.0000e-005	8.8000e-004	0.0000	2.4943	2.4943	7.0000e-005	7.0000e-005	2.5166
Total	**1.0500e-003**	**2.0000e-003**	**9.5300e-003**	**4.0000e-005**	**3.4300e-003**	**3.0000e-005**	**3.4400e-003**	**9.1000e-004**	**2.0000e-005**	**9.4000e-004**	**0.0000**	**3.0613**	**3.0613**	**8.0000e-005**	**1.5000e-004**	**3.1089**

3.10 P.1 Fitness Build Found - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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3.10 P.1 Fitness Build Found - 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	1.6000e-004	5.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0659	0.0659	0.0000	1.0000e-005	0.0691
Vendor	3.0000e-005	1.2700e-003	3.9000e-004	1.0000e-005	1.9000e-004	1.0000e-005	2.0000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.5583	0.5583	1.0000e-005	8.0000e-005	0.5830
Worker	1.0700e-003	7.1000e-004	9.5400e-003	3.0000e-005	3.6200e-003	2.0000e-005	3.6300e-003	9.6000e-004	2.0000e-005	9.8000e-004	0.0000	2.7202	2.7202	7.0000e-005	7.0000e-005	2.7433
Total	**1.1000e-003**	**2.1400e-003**	**9.9800e-003**	**4.0000e-005**	**3.8300e-003**	**3.0000e-005**	**3.8500e-003**	**1.0200e-003**	**3.0000e-005**	**1.0500e-003**	**0.0000**	**3.3444**	**3.3444**	**8.0000e-005**	**1.6000e-004**	**3.3954**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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3.10 P.1 Fitness Build Found - 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	1.6000e-004	5.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0659	0.0659	0.0000	1.0000e-005	0.0691
Vendor	3.0000e-005	1.2700e-003	3.9000e-004	1.0000e-005	1.9000e-004	1.0000e-005	2.0000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.5583	0.5583	1.0000e-005	8.0000e-005	0.5830
Worker	1.0700e-003	7.1000e-004	9.5400e-003	3.0000e-005	3.6200e-003	2.0000e-005	3.6300e-003	9.6000e-004	2.0000e-005	9.8000e-004	0.0000	2.7202	2.7202	7.0000e-005	7.0000e-005	2.7433
Total	**1.1000e-003**	**2.1400e-003**	**9.9800e-003**	**4.0000e-005**	**3.8300e-003**	**3.0000e-005**	**3.8500e-003**	**1.0200e-003**	**3.0000e-005**	**1.0500e-003**	**0.0000**	**3.3444**	**3.3444**	**8.0000e-005**	**1.6000e-004**	**3.3954**

3.11 P.2 Build C Concrete Found - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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3.11 P.2 Build C Concrete Found - 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	4.3000e-004	0.0180	5.5800e-003	8.0000e-005	2.6700e-003	1.1000e-004	2.7700e-003	7.7000e-004	1.0000e-004	8.7000e-004	0.0000	7.9342	7.9342	1.7000e-004	1.1600e-003	8.2851
Worker	0.0106	7.0400e-003	0.0946	2.9000e-004	0.0359	1.7000e-004	0.0360	9.5400e-003	1.6000e-004	9.7000e-003	0.0000	26.9778	26.9778	7.2000e-004	7.1000e-004	27.2071
Total	**0.0110**	**0.0251**	**0.1002**	**3.7000e-004**	**0.0385**	**2.8000e-004**	**0.0388**	**0.0103**	**2.6000e-004**	**0.0106**	**0.0000**	**34.9120**	**34.9120**	**8.9000e-004**	**1.8700e-003**	**35.4922**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.11 P.2 Build C Concrete Found - 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	4.3000e-004	0.0180	5.5800e-003	8.0000e-005	2.6700e-003	1.1000e-004	2.7700e-003	7.7000e-004	1.0000e-004	8.7000e-004	0.0000	7.9342	7.9342	1.7000e-004	1.1600e-003	8.2851
Worker	0.0106	7.0400e-003	0.0946	2.9000e-004	0.0359	1.7000e-004	0.0360	9.5400e-003	1.6000e-004	9.7000e-003	0.0000	26.9778	26.9778	7.2000e-004	7.1000e-004	27.2071
Total	**0.0110**	**0.0251**	**0.1002**	**3.7000e-004**	**0.0385**	**2.8000e-004**	**0.0388**	**0.0103**	**2.6000e-004**	**0.0106**	**0.0000**	**34.9120**	**34.9120**	**8.9000e-004**	**1.8700e-003**	**35.4922**

3.12 P.1 Fitness Build Frame - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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3.12 P.1 Fitness Build Frame - 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	1.0000e-004	4.1900e-003	1.2900e-003	2.0000e-005	6.2000e-004	2.0000e-005	6.4000e-004	1.8000e-004	2.0000e-005	2.0000e-004	0.0000	1.8415	1.8415	4.0000e-005	2.7000e-004	1.9230
Worker	2.8600e-003	1.9000e-003	0.0256	8.0000e-005	9.6900e-003	5.0000e-005	9.7400e-003	2.5800e-003	4.0000e-005	2.6200e-003	0.0000	7.2895	7.2895	1.9000e-004	1.9000e-004	7.3515
Total	**2.9600e-003**	**6.0900e-003**	**0.0269**	**1.0000e-004**	**0.0103**	**7.0000e-005**	**0.0104**	**2.7600e-003**	**6.0000e-005**	**2.8200e-003**	**0.0000**	**9.1310**	**9.1310**	**2.3000e-004**	**4.6000e-004**	**9.2744**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.12 P.1 Fitness Build Frame - 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	1.0000e-004	4.1900e-003	1.2900e-003	2.0000e-005	6.2000e-004	2.0000e-005	6.4000e-004	1.8000e-004	2.0000e-005	2.0000e-004	0.0000	1.8415	1.8415	4.0000e-005	2.7000e-004	1.9230
Worker	2.8600e-003	1.9000e-003	0.0256	8.0000e-005	9.6900e-003	5.0000e-005	9.7400e-003	2.5800e-003	4.0000e-005	2.6200e-003	0.0000	7.2895	7.2895	1.9000e-004	1.9000e-004	7.3515
Total	**2.9600e-003**	**6.0900e-003**	**0.0269**	**1.0000e-004**	**0.0103**	**7.0000e-005**	**0.0104**	**2.7600e-003**	**6.0000e-005**	**2.8200e-003**	**0.0000**	**9.1310**	**9.1310**	**2.3000e-004**	**4.6000e-004**	**9.2744**

3.13 P.1 Build A Building Exterior - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	7.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.6000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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3.13 P.1 Build A Building Exterior - 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	1.1000e-004	4.5400e-003	1.4000e-003	2.0000e-005	6.7000e-004	3.0000e-005	7.0000e-004	1.9000e-004	3.0000e-005	2.2000e-004	0.0000	1.9982	1.9982	4.0000e-005	2.9000e-004	2.0866
Worker	3.1900e-003	2.1200e-003	0.0285	9.0000e-005	0.0108	5.0000e-005	0.0108	2.8700e-003	5.0000e-005	2.9200e-003	0.0000	8.1127	8.1127	2.2000e-004	2.1000e-004	8.1817
Total	**3.3000e-003**	**6.6600e-003**	**0.0299**	**1.1000e-004**	**0.0115**	**8.0000e-005**	**0.0115**	**3.0600e-003**	**8.0000e-005**	**3.1400e-003**	**0.0000**	**10.1110**	**10.1110**	**2.6000e-004**	**5.0000e-004**	**10.2683**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	7.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.6000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.13 P.1 Build A Building Exterior - 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	1.1000e-004	4.5400e-003	1.4000e-003	2.0000e-005	6.7000e-004	3.0000e-005	7.0000e-004	1.9000e-004	3.0000e-005	2.2000e-004	0.0000	1.9982	1.9982	4.0000e-005	2.9000e-004	2.0866
Worker	3.1900e-003	2.1200e-003	0.0285	9.0000e-005	0.0108	5.0000e-005	0.0108	2.8700e-003	5.0000e-005	2.9200e-003	0.0000	8.1127	8.1127	2.2000e-004	2.1000e-004	8.1817
Total	**3.3000e-003**	**6.6600e-003**	**0.0299**	**1.1000e-004**	**0.0115**	**8.0000e-005**	**0.0115**	**3.0600e-003**	**8.0000e-005**	**3.1400e-003**	**0.0000**	**10.1110**	**10.1110**	**2.6000e-004**	**5.0000e-004**	**10.2683**

3.14 P.1 Fitness Building Exterior - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	7.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.6000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.14 P.1 Fitness Building Exterior - 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	6.0000e-005	2.4700e-003	7.6000e-004	1.0000e-005	3.7000e-004	1.0000e-005	3.8000e-004	1.1000e-004	1.0000e-005	1.2000e-004	0.0000	1.0873	1.0873	2.0000e-005	1.6000e-004	1.1354
Worker	1.7300e-003	1.1500e-003	0.0155	5.0000e-005	5.8700e-003	3.0000e-005	5.9000e-003	1.5600e-003	3.0000e-005	1.5900e-003	0.0000	4.4143	4.4143	1.2000e-004	1.2000e-004	4.4518
Total	**1.7900e-003**	**3.6200e-003**	**0.0162**	**6.0000e-005**	**6.2400e-003**	**4.0000e-005**	**6.2800e-003**	**1.6700e-003**	**4.0000e-005**	**1.7100e-003**	**0.0000**	**5.5016**	**5.5016**	**1.4000e-004**	**2.8000e-004**	**5.5872**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	7.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.6000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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3.14 P.1 Fitness Building Exterior - 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	6.0000e-005	2.4700e-003	7.6000e-004	1.0000e-005	3.7000e-004	1.0000e-005	3.8000e-004	1.1000e-004	1.0000e-005	1.2000e-004	0.0000	1.0873	1.0873	2.0000e-005	1.6000e-004	1.1354
Worker	1.7300e-003	1.1500e-003	0.0155	5.0000e-005	5.8700e-003	3.0000e-005	5.9000e-003	1.5600e-003	3.0000e-005	1.5900e-003	0.0000	4.4143	4.4143	1.2000e-004	1.2000e-004	4.4518
Total	**1.7900e-003**	**3.6200e-003**	**0.0162**	**6.0000e-005**	**6.2400e-003**	**4.0000e-005**	**6.2800e-003**	**1.6700e-003**	**4.0000e-005**	**1.7100e-003**	**0.0000**	**5.5016**	**5.5016**	**1.4000e-004**	**2.8000e-004**	**5.5872**

3.15 P.1 Fitness Interiors - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.8151**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction (Alt 2) - Santa Clara County, Annual

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

3.15 P.1 Fitness Interiors - 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	9.0000e-005	3.6500e-003	1.1300e-003	2.0000e-005	5.4000e-004	2.0000e-005	5.6000e-004	1.6000e-004	2.0000e-005	1.8000e-004	0.0000	1.6064	1.6064	3.0000e-005	2.4000e-004	1.6775
Worker	2.3600e-003	1.5600e-003	0.0210	6.0000e-005	7.9700e-003	4.0000e-005	8.0000e-003	2.1200e-003	3.0000e-005	2.1500e-003	0.0000	5.9921	5.9921	1.6000e-004	1.6000e-004	6.0430
Total	**2.4500e-003**	**5.2100e-003**	**0.0222**	**8.0000e-005**	**8.5100e-003**	**6.0000e-005**	**8.5600e-003**	**2.2800e-003**	**5.0000e-005**	**2.3300e-003**	**0.0000**	**7.5985**	**7.5985**	**1.9000e-004**	**4.0000e-004**	**7.7205**

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	0.8151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.8151**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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3.15 P.1 Fitness Interiors - 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	9.0000e-005	3.6500e-003	1.1300e-003	2.0000e-005	5.4000e-004	2.0000e-005	5.6000e-004	1.6000e-004	2.0000e-005	1.8000e-004	0.0000	1.6064	1.6064	3.0000e-005	2.4000e-004	1.6775
Worker	2.3600e-003	1.5600e-003	0.0210	6.0000e-005	7.9700e-003	4.0000e-005	8.0000e-003	2.1200e-003	3.0000e-005	2.1500e-003	0.0000	5.9921	5.9921	1.6000e-004	1.6000e-004	6.0430
Total	**2.4500e-003**	**5.2100e-003**	**0.0222**	**8.0000e-005**	**8.5100e-003**	**6.0000e-005**	**8.5600e-003**	**2.2800e-003**	**5.0000e-005**	**2.3300e-003**	**0.0000**	**7.5985**	**7.5985**	**1.9000e-004**	**4.0000e-004**	**7.7205**

3.16 P.1 Build A Interiors - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.8151**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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3.16 P.1 Build A Interiors - 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	2.4000e-004	9.9800e-003	3.0800e-003	5.0000e-005	1.4700e-003	6.0000e-005	1.5300e-003	4.3000e-004	6.0000e-005	4.8000e-004	0.0000	4.3883	4.3883	9.0000e-005	6.4000e-004	4.5824
Worker	0.0131	8.7200e-003	0.1172	3.6000e-004	0.0444	2.1000e-004	0.0446	0.0118	1.9000e-004	0.0120	0.0000	33.4053	33.4053	8.9000e-004	8.8000e-004	33.6892
Total	**0.0134**	**0.0187**	**0.1203**	**4.1000e-004**	**0.0459**	**2.7000e-004**	**0.0462**	**0.0122**	**2.5000e-004**	**0.0125**	**0.0000**	**37.7936**	**37.7936**	**9.8000e-004**	**1.5200e-003**	**38.2716**

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	0.8151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.8151**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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3.16 P.1 Build A Interiors - 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	2.4000e-004	9.9800e-003	3.0800e-003	5.0000e-005	1.4700e-003	6.0000e-005	1.5300e-003	4.3000e-004	6.0000e-005	4.8000e-004	0.0000	4.3883	4.3883	9.0000e-005	6.4000e-004	4.5824
Worker	0.0131	8.7200e-003	0.1172	3.6000e-004	0.0444	2.1000e-004	0.0446	0.0118	1.9000e-004	0.0120	0.0000	33.4053	33.4053	8.9000e-004	8.8000e-004	33.6892
Total	**0.0134**	**0.0187**	**0.1203**	**4.1000e-004**	**0.0459**	**2.7000e-004**	**0.0462**	**0.0122**	**2.5000e-004**	**0.0125**	**0.0000**	**37.7936**	**37.7936**	**9.8000e-004**	**1.5200e-003**	**38.2716**

3.17 P.2 Build C Build Frame - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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3.17 P.2 Build C Build Frame - 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	1.6000e-004	6.8600e-003	2.1200e-003	3.0000e-005	1.0100e-003	4.0000e-005	1.0500e-003	2.9000e-004	4.0000e-005	3.3000e-004	0.0000	3.0170	3.0170	6.0000e-005	4.4000e-004	3.1504
Worker	4.6900e-003	3.1200e-003	0.0419	1.3000e-004	0.0159	8.0000e-005	0.0160	4.2200e-003	7.0000e-005	4.2900e-003	0.0000	11.9424	11.9424	3.2000e-004	3.1000e-004	12.0439
Total	**4.8500e-003**	**9.9800e-003**	**0.0440**	**1.6000e-004**	**0.0169**	**1.2000e-004**	**0.0170**	**4.5100e-003**	**1.1000e-004**	**4.6200e-003**	**0.0000**	**14.9594**	**14.9594**	**3.8000e-004**	**7.5000e-004**	**15.1943**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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3.17 P.2 Build C Build Frame - 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	1.6000e-004	6.8600e-003	2.1200e-003	3.0000e-005	1.0100e-003	4.0000e-005	1.0500e-003	2.9000e-004	4.0000e-005	3.3000e-004	0.0000	3.0170	3.0170	6.0000e-005	4.4000e-004	3.1504
Worker	4.6900e-003	3.1200e-003	0.0419	1.3000e-004	0.0159	8.0000e-005	0.0160	4.2200e-003	7.0000e-005	4.2900e-003	0.0000	11.9424	11.9424	3.2000e-004	3.1000e-004	12.0439
Total	**4.8500e-003**	**9.9800e-003**	**0.0440**	**1.6000e-004**	**0.0169**	**1.2000e-004**	**0.0170**	**4.5100e-003**	**1.1000e-004**	**4.6200e-003**	**0.0000**	**14.9594**	**14.9594**	**3.8000e-004**	**7.5000e-004**	**15.1943**

3.18 P.2 Build C Building Exterior - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	4.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.3000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.18 P.2 Build C Building Exterior - 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	6.0000e-005	2.6700e-003	8.3000e-004	1.0000e-005	3.9000e-004	2.0000e-005	4.1000e-004	1.1000e-004	2.0000e-005	1.3000e-004	0.0000	1.1754	1.1754	2.0000e-005	1.7000e-004	1.2274
Worker	2.0200e-003	1.3400e-003	0.0180	5.0000e-005	6.8200e-003	3.0000e-005	6.8500e-003	1.8100e-003	3.0000e-005	1.8400e-003	0.0000	5.1301	5.1301	1.4000e-004	1.3000e-004	5.1737
Total	**2.0800e-003**	**4.0100e-003**	**0.0188**	**6.0000e-005**	**7.2100e-003**	**5.0000e-005**	**7.2600e-003**	**1.9200e-003**	**5.0000e-005**	**1.9700e-003**	**0.0000**	**6.3055**	**6.3055**	**1.6000e-004**	**3.0000e-004**	**6.4011**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	4.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.3000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction (Alt 2) - Santa Clara County, Annual

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

3.18 P.2 Build C Building Exterior - 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	6.0000e-005	2.6700e-003	8.3000e-004	1.0000e-005	3.9000e-004	2.0000e-005	4.1000e-004	1.1000e-004	2.0000e-005	1.3000e-004	0.0000	1.1754	1.1754	2.0000e-005	1.7000e-004	1.2274
Worker	2.0200e-003	1.3400e-003	0.0180	5.0000e-005	6.8200e-003	3.0000e-005	6.8500e-003	1.8100e-003	3.0000e-005	1.8400e-003	0.0000	5.1301	5.1301	1.4000e-004	1.3000e-004	5.1737
Total	**2.0800e-003**	**4.0100e-003**	**0.0188**	**6.0000e-005**	**7.2100e-003**	**5.0000e-005**	**7.2600e-003**	**1.9200e-003**	**5.0000e-005**	**1.9700e-003**	**0.0000**	**6.3055**	**6.3055**	**1.6000e-004**	**3.0000e-004**	**6.4011**

3.18 P.2 Build C Building Exterior - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	3.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.3000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction (Alt 2) - Santa Clara County, Annual

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

3.18 P.2 Build C Building Exterior - 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	5.0000e-005	2.0600e-003	6.3000e-004	1.0000e-005	3.1000e-004	1.0000e-005	3.2000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	0.8955	0.8955	2.0000e-005	1.3000e-004	0.9351
Worker	1.4700e-003	9.4000e-004	0.0131	4.0000e-005	5.2900e-003	2.0000e-005	5.3100e-003	1.4100e-003	2.0000e-005	1.4300e-003	0.0000	3.8825	3.8825	1.0000e-004	1.0000e-004	3.9141
Total	**1.5200e-003**	**3.0000e-003**	**0.0137**	**5.0000e-005**	**5.6000e-003**	**3.0000e-005**	**5.6300e-003**	**1.5000e-003**	**3.0000e-005**	**1.5300e-003**	**0.0000**	**4.7780**	**4.7780**	**1.2000e-004**	**2.3000e-004**	**4.8491**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	3.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.3000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.18 P.2 Build C Building Exterior - 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	5.0000e-005	2.0600e-003	6.3000e-004	1.0000e-005	3.1000e-004	1.0000e-005	3.2000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	0.8955	0.8955	2.0000e-005	1.3000e-004	0.9351
Worker	1.4700e-003	9.4000e-004	0.0131	4.0000e-005	5.2900e-003	2.0000e-005	5.3100e-003	1.4100e-003	2.0000e-005	1.4300e-003	0.0000	3.8825	3.8825	1.0000e-004	1.0000e-004	3.9141
Total	**1.5200e-003**	**3.0000e-003**	**0.0137**	**5.0000e-005**	**5.6000e-003**	**3.0000e-005**	**5.6300e-003**	**1.5000e-003**	**3.0000e-005**	**1.5300e-003**	**0.0000**	**4.7780**	**4.7780**	**1.2000e-004**	**2.3000e-004**	**4.8491**

3.19 P.2 Meeting Hall Excavation - 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					0.0114	0.0000	0.0114	1.2400e-003	0.0000	1.2400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0114**	**0.0000**	**0.0114**	**1.2400e-003**	**0.0000**	**1.2400e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction (Alt 2) - Santa Clara County, Annual

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

3.19 P.2 Meeting Hall Excavation - 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	1.3000e-004	6.4100e-003	1.9000e-003	3.0000e-005	7.1000e-004	5.0000e-005	7.6000e-004	2.0000e-004	4.0000e-005	2.4000e-004	0.0000	2.5648	2.5648	9.0000e-005	4.1000e-004	2.6882
Vendor	2.0000e-005	6.7000e-004	2.1000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.2939	0.2939	1.0000e-005	4.0000e-005	0.3069
Worker	6.0000e-004	4.0000e-004	5.3400e-003	2.0000e-005	2.0200e-003	1.0000e-005	2.0300e-003	5.4000e-004	1.0000e-005	5.5000e-004	0.0000	1.5211	1.5211	4.0000e-005	4.0000e-005	1.5341
Total	**7.5000e-004**	**7.4800e-003**	**7.4500e-003**	**5.0000e-005**	**2.8300e-003**	**6.0000e-005**	**2.8900e-003**	**7.7000e-004**	**5.0000e-005**	**8.2000e-004**	**0.0000**	**4.3798**	**4.3798**	**1.4000e-004**	**4.9000e-004**	**4.5291**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.1400e-003	0.0000	5.1400e-003	5.6000e-004	0.0000	5.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**5.1400e-003**	**0.0000**	**5.1400e-003**	**5.6000e-004**	**0.0000**	**5.6000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction (Alt 2) - Santa Clara County, Annual

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

3.19 P.2 Meeting Hall Excavation - 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	1.3000e-004	6.4100e-003	1.9000e-003	3.0000e-005	7.1000e-004	5.0000e-005	7.6000e-004	2.0000e-004	4.0000e-005	2.4000e-004	0.0000	2.5648	2.5648	9.0000e-005	4.1000e-004	2.6882
Vendor	2.0000e-005	6.7000e-004	2.1000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.2939	0.2939	1.0000e-005	4.0000e-005	0.3069
Worker	6.0000e-004	4.0000e-004	5.3400e-003	2.0000e-005	2.0200e-003	1.0000e-005	2.0300e-003	5.4000e-004	1.0000e-005	5.5000e-004	0.0000	1.5211	1.5211	4.0000e-005	4.0000e-005	1.5341
Total	**7.5000e-004**	**7.4800e-003**	**7.4500e-003**	**5.0000e-005**	**2.8300e-003**	**6.0000e-005**	**2.8900e-003**	**7.7000e-004**	**5.0000e-005**	**8.2000e-004**	**0.0000**	**4.3798**	**4.3798**	**1.4000e-004**	**4.9000e-004**	**4.5291**

3.19 P.2 Meeting Hall Excavation - 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					
Fugitive Dust					0.0114	0.0000	0.0114	1.2400e-003	0.0000	1.2400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0114**	**0.0000**	**0.0114**	**1.2400e-003**	**0.0000**	**1.2400e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction (Alt 2) - Santa Clara County, Annual

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

3.19 P.2 Meeting Hall Excavation - 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	5.0000e-005	2.5500e-003	7.6000e-004	1.0000e-005	2.8000e-004	2.0000e-005	3.0000e-004	8.0000e-005	2.0000e-005	1.0000e-004	0.0000	1.0062	1.0062	3.0000e-005	1.6000e-004	1.0546
Vendor	1.0000e-005	2.7000e-004	8.0000e-005	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1156	0.1156	0.0000	2.0000e-005	0.1207
Worker	2.3000e-004	1.4000e-004	2.0100e-003	1.0000e-005	8.1000e-004	0.0000	8.1000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.5942	0.5942	1.0000e-005	2.0000e-005	0.5990
Total	**2.9000e-004**	**2.9600e-003**	**2.8500e-003**	**2.0000e-005**	**1.1300e-003**	**2.0000e-005**	**1.1500e-003**	**3.1000e-004**	**2.0000e-005**	**3.3000e-004**	**0.0000**	**1.7159**	**1.7159**	**4.0000e-005**	**2.0000e-004**	**1.7743**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.1400e-003	0.0000	5.1400e-003	5.6000e-004	0.0000	5.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**5.1400e-003**	**0.0000**	**5.1400e-003**	**5.6000e-004**	**0.0000**	**5.6000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.19 P.2 Meeting Hall Excavation - 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	5.0000e-005	2.5500e-003	7.6000e-004	1.0000e-005	2.8000e-004	2.0000e-005	3.0000e-004	8.0000e-005	2.0000e-005	1.0000e-004	0.0000	1.0062	1.0062	3.0000e-005	1.6000e-004	1.0546
Vendor	1.0000e-005	2.7000e-004	8.0000e-005	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1156	0.1156	0.0000	2.0000e-005	0.1207
Worker	2.3000e-004	1.4000e-004	2.0100e-003	1.0000e-005	8.1000e-004	0.0000	8.1000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.5942	0.5942	1.0000e-005	2.0000e-005	0.5990
Total	**2.9000e-004**	**2.9600e-003**	**2.8500e-003**	**2.0000e-005**	**1.1300e-003**	**2.0000e-005**	**1.1500e-003**	**3.1000e-004**	**2.0000e-005**	**3.3000e-004**	**0.0000**	**1.7159**	**1.7159**	**4.0000e-005**	**2.0000e-004**	**1.7743**

3.20 P.2 Meeting Hall Overall - 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	6.4400e-003	0.0642	0.0747	1.4000e-004		2.5500e-003	2.5500e-003		2.3800e-003	2.3800e-003	0.0000	11.9160	11.9160	3.5300e-003	0.0000	12.0043
Total	**6.4400e-003**	**0.0642**	**0.0747**	**1.4000e-004**		**2.5500e-003**	**2.5500e-003**		**2.3800e-003**	**2.3800e-003**	**0.0000**	**11.9160**	**11.9160**	**3.5300e-003**	**0.0000**	**12.0043**

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

3.20 P.2 Meeting Hall Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.0300e-003	0.0587	0.0640	1.2000e-004		2.4500e-003	2.4500e-003		2.2800e-003	2.2800e-003	0.0000	10.4642	10.4642	3.0700e-003	0.0000	10.5411
Total	**6.0300e-003**	**0.0587**	**0.0640**	**1.2000e-004**		**2.4500e-003**	**2.4500e-003**		**2.2800e-003**	**2.2800e-003**	**0.0000**	**10.4642**	**10.4642**	**3.0700e-003**	**0.0000**	**10.5411**

Saratoga Retirement Community Expansion - Construction (Alt 2) - Santa Clara County, Annual

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

3.20 P.2 Meeting Hall Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.20 P.2 Meeting Hall Overall - 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	0.0648	0.6464	0.7945	1.4900e-003		0.0243	0.0243		0.0226	0.0226	0.0000	127.8879	127.8879	0.0378	0.0000	128.8332
Total	**0.0648**	**0.6464**	**0.7945**	**1.4900e-003**		**0.0243**	**0.0243**		**0.0226**	**0.0226**	**0.0000**	**127.8879**	**127.8879**	**0.0378**	**0.0000**	**128.8332**

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

3.20 P.2 Meeting Hall Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0604	0.5881	0.6798	1.3100e-003		0.0231	0.0231		0.0215	0.0215	0.0000	112.3051	112.3051	0.0329	0.0000	113.1284
Total	**0.0604**	**0.5881**	**0.6798**	**1.3100e-003**		**0.0231**	**0.0231**		**0.0215**	**0.0215**	**0.0000**	**112.3051**	**112.3051**	**0.0329**	**0.0000**	**113.1284**

Saratoga Retirement Community Expansion - Construction (Alt 2) - Santa Clara County, Annual

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

3.20 P.2 Meeting Hall Overall - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.21 P.2 Meeting Hall Concrete Found - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction (Alt 2) - Santa Clara County, Annual

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

3.21 P.2 Meeting Hall Concrete Found - 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	3.0000e-004	0.0127	3.8800e-003	6.0000e-005	1.8800e-003	8.0000e-005	1.9600e-003	5.4000e-004	7.0000e-005	6.2000e-004	0.0000	5.5079	5.5079	1.2000e-004	8.1000e-004	5.7511
Worker	1.5500e-003	9.9000e-004	0.0138	4.0000e-005	5.5700e-003	3.0000e-005	5.5900e-003	1.4800e-003	2.0000e-005	1.5000e-003	0.0000	4.0893	4.0893	1.0000e-004	1.0000e-004	4.1226
Total	**1.8500e-003**	**0.0137**	**0.0177**	**1.0000e-004**	**7.4500e-003**	**1.1000e-004**	**7.5500e-003**	**2.0200e-003**	**9.0000e-005**	**2.1200e-003**	**0.0000**	**9.5972**	**9.5972**	**2.2000e-004**	**9.1000e-004**	**9.8736**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.21 P.2 Meeting Hall Concrete Found - 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	3.0000e-004	0.0127	3.8800e-003	6.0000e-005	1.8800e-003	8.0000e-005	1.9600e-003	5.4000e-004	7.0000e-005	6.2000e-004	0.0000	5.5079	5.5079	1.2000e-004	8.1000e-004	5.7511
Worker	1.5500e-003	9.9000e-004	0.0138	4.0000e-005	5.5700e-003	3.0000e-005	5.5900e-003	1.4800e-003	2.0000e-005	1.5000e-003	0.0000	4.0893	4.0893	1.0000e-004	1.0000e-004	4.1226
Total	**1.8500e-003**	**0.0137**	**0.0177**	**1.0000e-004**	**7.4500e-003**	**1.1000e-004**	**7.5500e-003**	**2.0200e-003**	**9.0000e-005**	**2.1200e-003**	**0.0000**	**9.5972**	**9.5972**	**2.2000e-004**	**9.1000e-004**	**9.8736**

3.22 P.2 Build C Interiors - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.8151**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.22 P.2 Build C Interiors - 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	2.7000e-004	0.0115	3.5200e-003	5.0000e-005	1.7100e-003	7.0000e-005	1.7800e-003	4.9000e-004	7.0000e-005	5.6000e-004	0.0000	5.0072	5.0072	1.1000e-004	7.3000e-004	5.2283
Worker	0.0162	0.0103	0.1444	4.5000e-004	0.0583	2.6000e-004	0.0585	0.0155	2.4000e-004	0.0157	0.0000	42.7857	42.7857	1.0600e-003	1.0800e-003	43.1342
Total	**0.0165**	**0.0219**	**0.1479**	**5.0000e-004**	**0.0600**	**3.3000e-004**	**0.0603**	**0.0160**	**3.1000e-004**	**0.0163**	**0.0000**	**47.7929**	**47.7929**	**1.1700e-003**	**1.8100e-003**	**48.3624**

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	0.8151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.8151**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.22 P.2 Build C Interiors - 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	2.7000e-004	0.0115	3.5200e-003	5.0000e-005	1.7100e-003	7.0000e-005	1.7800e-003	4.9000e-004	7.0000e-005	5.6000e-004	0.0000	5.0072	5.0072	1.1000e-004	7.3000e-004	5.2283
Worker	0.0162	0.0103	0.1444	4.5000e-004	0.0583	2.6000e-004	0.0585	0.0155	2.4000e-004	0.0157	0.0000	42.7857	42.7857	1.0600e-003	1.0800e-003	43.1342
Total	**0.0165**	**0.0219**	**0.1479**	**5.0000e-004**	**0.0600**	**3.3000e-004**	**0.0603**	**0.0160**	**3.1000e-004**	**0.0163**	**0.0000**	**47.7929**	**47.7929**	**1.1700e-003**	**1.8100e-003**	**48.3624**

3.23 P.2 Meeting Hall Build Frame - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.23 P.2 Meeting Hall Build Frame - 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	6.0000e-005	2.4000e-003	7.3000e-004	1.0000e-005	3.6000e-004	1.0000e-005	3.7000e-004	1.0000e-004	1.0000e-005	1.2000e-004	0.0000	1.0400	1.0400	2.0000e-005	1.5000e-004	1.0859
Worker	5.1000e-004	3.2000e-004	4.5100e-003	1.0000e-005	1.8200e-003	1.0000e-005	1.8300e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.3369	1.3369	3.0000e-005	3.0000e-005	1.3478
Total	**5.7000e-004**	**2.7200e-003**	**5.2400e-003**	**2.0000e-005**	**2.1800e-003**	**2.0000e-005**	**2.2000e-003**	**5.8000e-004**	**2.0000e-005**	**6.1000e-004**	**0.0000**	**2.3768**	**2.3768**	**5.0000e-005**	**1.8000e-004**	**2.4336**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.23 P.2 Meeting Hall Build Frame - 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	6.0000e-005	2.4000e-003	7.3000e-004	1.0000e-005	3.6000e-004	1.0000e-005	3.7000e-004	1.0000e-004	1.0000e-005	1.2000e-004	0.0000	1.0400	1.0400	2.0000e-005	1.5000e-004	1.0859
Worker	5.1000e-004	3.2000e-004	4.5100e-003	1.0000e-005	1.8200e-003	1.0000e-005	1.8300e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.3369	1.3369	3.0000e-005	3.0000e-005	1.3478
Total	**5.7000e-004**	**2.7200e-003**	**5.2400e-003**	**2.0000e-005**	**2.1800e-003**	**2.0000e-005**	**2.2000e-003**	**5.8000e-004**	**2.0000e-005**	**6.1000e-004**	**0.0000**	**2.3768**	**2.3768**	**5.0000e-005**	**1.8000e-004**	**2.4336**

3.24 P.2 Meeting Hall Build Exterior - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	7.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.6000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.24 P.2 Meeting Hall Build Exterior - 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	8.0000e-005	3.1900e-003	9.8000e-004	1.0000e-005	4.7000e-004	2.0000e-005	4.9000e-004	1.4000e-004	2.0000e-005	1.6000e-004	0.0000	1.3866	1.3866	3.0000e-005	2.0000e-004	1.4478
Worker	8.7000e-004	5.6000e-004	7.7800e-003	2.0000e-005	3.1400e-003	1.0000e-005	3.1500e-003	8.4000e-004	1.0000e-005	8.5000e-004	0.0000	2.3068	2.3068	6.0000e-005	6.0000e-005	2.3256
Total	**9.5000e-004**	**3.7500e-003**	**8.7600e-003**	**3.0000e-005**	**3.6100e-003**	**3.0000e-005**	**3.6400e-003**	**9.8000e-004**	**3.0000e-005**	**1.0100e-003**	**0.0000**	**3.6934**	**3.6934**	**9.0000e-005**	**2.6000e-004**	**3.7734**

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	7.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.6000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction (Alt 2) - Santa Clara County, Annual

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

3.24 P.2 Meeting Hall Build Exterior - 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	8.0000e-005	3.1900e-003	9.8000e-004	1.0000e-005	4.7000e-004	2.0000e-005	4.9000e-004	1.4000e-004	2.0000e-005	1.6000e-004	0.0000	1.3866	1.3866	3.0000e-005	2.0000e-004	1.4478
Worker	8.7000e-004	5.6000e-004	7.7800e-003	2.0000e-005	3.1400e-003	1.0000e-005	3.1500e-003	8.4000e-004	1.0000e-005	8.5000e-004	0.0000	2.3068	2.3068	6.0000e-005	6.0000e-005	2.3256
Total	**9.5000e-004**	**3.7500e-003**	**8.7600e-003**	**3.0000e-005**	**3.6100e-003**	**3.0000e-005**	**3.6400e-003**	**9.8000e-004**	**3.0000e-005**	**1.0100e-003**	**0.0000**	**3.6934**	**3.6934**	**9.0000e-005**	**2.6000e-004**	**3.7734**

3.25 P.2 Meeting Hall Interiors - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.8151**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction (Alt 2) - Santa Clara County, Annual

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

3.25 P.2 Meeting Hall Interiors - 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	8.0000e-005	3.5500e-003	1.0800e-003	2.0000e-005	5.3000e-004	2.0000e-005	5.5000e-004	1.5000e-004	2.0000e-005	1.7000e-004	0.0000	1.5407	1.5407	3.0000e-005	2.3000e-004	1.6087
Worker	1.6300e-003	1.0400e-003	0.0146	5.0000e-005	5.8700e-003	3.0000e-005	5.9000e-003	1.5600e-003	2.0000e-005	1.5900e-003	0.0000	4.3106	4.3106	1.1000e-004	1.1000e-004	4.3457
Total	**1.7100e-003**	**4.5900e-003**	**0.0156**	**7.0000e-005**	**6.4000e-003**	**5.0000e-005**	**6.4500e-003**	**1.7100e-003**	**4.0000e-005**	**1.7600e-003**	**0.0000**	**5.8513**	**5.8513**	**1.4000e-004**	**3.4000e-004**	**5.9544**

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	0.8151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.8151**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.25 P.2 Meeting Hall Interiors - 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	8.0000e-005	3.5500e-003	1.0800e-003	2.0000e-005	5.3000e-004	2.0000e-005	5.5000e-004	1.5000e-004	2.0000e-005	1.7000e-004	0.0000	1.5407	1.5407	3.0000e-005	2.3000e-004	1.6087
Worker	1.6300e-003	1.0400e-003	0.0146	5.0000e-005	5.8700e-003	3.0000e-005	5.9000e-003	1.5600e-003	2.0000e-005	1.5900e-003	0.0000	4.3106	4.3106	1.1000e-004	1.1000e-004	4.3457
Total	**1.7100e-003**	**4.5900e-003**	**0.0156**	**7.0000e-005**	**6.4000e-003**	**5.0000e-005**	**6.4500e-003**	**1.7100e-003**	**4.0000e-005**	**1.7600e-003**	**0.0000**	**5.8513**	**5.8513**	**1.4000e-004**	**3.4000e-004**	**5.9544**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Place of Worship	0.00	0.00	0.00		
Retirement Community	0.00	0.00	0.00		
Retirement Community	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

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

	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
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Place of Worship	9.50	7.30	7.30	0.00	95.00	5.00	64	25	11
Retirement Community	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Retirement Community	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.574685	0.056097	0.185093	0.115164	0.020188	0.005209	0.008091	0.006312	0.000884	0.000364	0.024358	0.000887	0.002668
Health Club	0.574685	0.056097	0.185093	0.115164	0.020188	0.005209	0.008091	0.006312	0.000884	0.000364	0.024358	0.000887	0.002668
Other Asphalt Surfaces	0.574685	0.056097	0.185093	0.115164	0.020188	0.005209	0.008091	0.006312	0.000884	0.000364	0.024358	0.000887	0.002668
Other Non-Asphalt Surfaces	0.574685	0.056097	0.185093	0.115164	0.020188	0.005209	0.008091	0.006312	0.000884	0.000364	0.024358	0.000887	0.002668
Place of Worship	0.574685	0.056097	0.185093	0.115164	0.020188	0.005209	0.008091	0.006312	0.000884	0.000364	0.024358	0.000887	0.002668
Retirement Community	0.574685	0.056097	0.185093	0.115164	0.020188	0.005209	0.008091	0.006312	0.000884	0.000364	0.024358	0.000887	0.002668

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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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					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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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
Health Club	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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	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
Retirement Community	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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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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
Health Club	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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	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
Retirement Community	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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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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	0	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

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	0.3473	3.6100e-003	0.3142	2.0000e-005		1.7400e-003	1.7400e-003		1.7400e-003	1.7400e-003	0.0000	0.5146	0.5146	5.0000e-004	0.0000	0.5271
Unmitigated	0.3473	3.6100e-003	0.3142	2.0000e-005		1.7400e-003	1.7400e-003		1.7400e-003	1.7400e-003	0.0000	0.5146	0.5146	5.0000e-004	0.0000	0.5271

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3377					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.6000e-003	3.6100e-003	0.3142	2.0000e-005		1.7400e-003	1.7400e-003		1.7400e-003	1.7400e-003	0.0000	0.5146	0.5146	5.0000e-004	0.0000	0.5271
Total	**0.3473**	**3.6100e-003**	**0.3142**	**2.0000e-005**		**1.7400e-003**	**1.7400e-003**		**1.7400e-003**	**1.7400e-003**	**0.0000**	**0.5146**	**0.5146**	**5.0000e-004**	**0.0000**	**0.5271**

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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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3377					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.6000e-003	3.6100e-003	0.3142	2.0000e-005		1.7400e-003	1.7400e-003		1.7400e-003	1.7400e-003	0.0000	0.5146	0.5146	5.0000e-004	0.0000	0.5271
Total	**0.3473**	**3.6100e-003**	**0.3142**	**2.0000e-005**		**1.7400e-003**	**1.7400e-003**		**1.7400e-003**	**1.7400e-003**	**0.0000**	**0.5146**	**0.5146**	**5.0000e-004**	**0.0000**	**0.5271**

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	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

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

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
Health Club	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Place of Worship	0 / 0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

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
Health Club	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Place of Worship	0 / 0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Saratoga Retirement Community Expansion - Construction (Alt 2) - Santa Clara County, Annual

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

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Saratoga Retirement Community Expansion - Construction (Alt 2) - Santa Clara 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
Health Club	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Expansion - Construction (Alt 2) - Santa Clara 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

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
Health Club	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Alternative 2 Emissions by Phase

Phase	Year	Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
P.0 Utility Relocation Prep Roadway	2023	Onsite	0.0234	0.1987	0.2285	5.70E-04	1.79E-03	7.44E-03	9.23E-03	1.90E-04	7.02E-03	7.21E-03	0	48.4948	48.4948	0.0135	0	48.8332
P.0 Utility Relocation Prep Roadway	2023	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.0 Utility Relocation Prep Roadway	2023	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.0 Utility Relocation Prep Roadway	2023	Worker	4.12E-03	2.87E-03	0.0369	1.10E-04	0.0131	6.00E-05	0.0131	3.48E-03	6.00E-05	3.54E-03	0	10.0813	10.0813	2.90E-04	2.80E-04	10.1711
P.1 Build A Overall	2023	Onsite	0.0312	0.2893	0.3031	5.60E-04	0	0.0131	0.0131	0	0.0122	0.0122	0	47.1511	47.1511	0.0132	0	47.481
P.1 Build A Overall	2023	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Build A Overall	2023	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Build A Overall	2023	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Build A Overall	2024	Onsite	0.0549	0.5111	0.5574	1.03E-03	0	0.0219	0.0219	0	0.0205	0.0205	0	87.0479	87.0479	0.0243	0	87.6543
P.1 Build A Overall	2024	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Build A Overall	2024	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Build A Overall	2024	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Build A Excavation	2023	Onsite	0	0	0	0	2.07E-03	0	2.07E-03	2.30E-04	0	2.30E-04	0	0	0	0	0	0
P.1 Build A Excavation	2023	Hauling	4.50E-04	0.0231	6.80E-03	9.00E-05	2.56E-03	1.70E-04	2.73E-03	7.10E-04	1.60E-04	8.70E-04	0	9.391	9.391	3.20E-04	1.49E-03	9.8426
P.1 Build A Excavation	2023	Vendor	2.00E-05	8.90E-04	2.80E-04	0	1.30E-04	1.00E-05	1.40E-04	4.00E-05	1.00E-05	4.00E-05	0	0.3977	0.3977	1.00E-05	6.00E-05	0.4153
P.1 Build A Excavation	2023	Worker	8.50E-04	5.90E-04	7.61E-03	2.00E-05	2.70E-03	1.00E-05	2.71E-03	7.20E-04	1.00E-05	7.30E-04	0	2.0786	2.0786	6.00E-05	6.00E-05	2.0971
P.1 Build A Concrete Found	2023	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Build A Concrete Found	2023	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Build A Concrete Found	2023	Vendor	3.50E-04	0.0143	4.52E-03	7.00E-05	2.12E-03	8.00E-05	2.20E-03	6.10E-04	8.00E-05	6.90E-04	0	6.4023	6.4023	1.30E-04	9.40E-04	6.686
P.1 Build A Concrete Found	2023	Worker	5.52E-03	3.84E-03	0.0494	1.50E-04	0.0175	9.00E-05	0.0176	4.66E-03	8.00E-05	4.74E-03	0	13.4988	13.4988	3.80E-04	3.70E-04	13.619
P.1 Build A Building Frame	2023	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Build A Building Frame	2023	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Build A Building Frame	2023	Vendor	4.00E-05	1.51E-03	4.80E-04	1.00E-05	2.20E-04	1.00E-05	2.30E-04	6.00E-05	1.00E-05	7.00E-05	0	0.676	0.676	1.00E-05	1.00E-04	0.706
P.1 Build A Building Frame	2023	Worker	1.10E-03	7.70E-04	9.89E-03	3.00E-05	3.51E-03	2.00E-05	3.52E-03	9.30E-04	2.00E-05	9.50E-04	0	2.7022	2.7022	8.00E-05	7.00E-05	2.7263
P.1 Build A Building Frame	2024	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Build A Building Frame	2024	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Build A Building Frame	2024	Vendor	1.30E-04	5.44E-03	1.68E-03	2.00E-05	8.00E-04	3.00E-05	8.40E-04	2.30E-04	3.00E-05	2.60E-04	0	2.3901	2.3901	5.00E-05	3.50E-04	2.4958
P.1 Build A Building Frame	2024	Worker	3.72E-03	2.47E-03	0.0332	1.00E-04	0.0126	6.00E-05	0.0126	3.35E-03	5.00E-05	3.40E-03	0	9.4609	9.4609	2.50E-04	2.50E-04	9.5413
P.1 Build A Building Exterior	2024	Onsite	7.60E-04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Build A Building Exterior	2024	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Build A Building Exterior	2024	Vendor	1.10E-04	4.54E-03	1.40E-03	2.00E-05	6.70E-04	3.00E-05	7.00E-04	1.90E-04	3.00E-05	2.20E-04	0	1.9982	1.9982	4.00E-05	2.90E-04	2.0866
P.1 Build A Building Exterior	2024	Worker	3.19E-03	2.12E-03	0.0285	9.00E-05	0.0108	5.00E-05	0.0108	2.87E-03	5.00E-05	2.92E-03	0	8.1127	8.1127	2.20E-04	2.10E-04	8.1817
P.1 Build A Interiors	2024	Onsite	0.8151	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Build A Interiors	2024	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Build A Interiors	2024	Vendor	2.40E-04	9.98E-03	3.08E-03	5.00E-05	1.47E-03	6.00E-05	1.53E-03	4.30E-04	6.00E-05	4.80E-04	0	4.3883	4.3883	9.00E-05	6.40E-04	4.5824
P.1 Build A Interiors	2024	Worker	0.0131	8.72E-03	0.1172	3.60E-04	0.0444	2.10E-04	0.0446	0.0118	1.90E-04	0.012	0	33.4053	33.4053	8.90E-04	8.80E-04	33.6892
P.1 Fitness Overall	2023	Onsite	7.25E-03	0.0662	0.0757	1.20E-04	0	3.04E-03	3.04E-03	0	2.85E-03	2.85E-03	0	10.4301	10.4301	2.77E-03	0	10.4993
P.1 Fitness Overall	2023	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Fitness Overall	2023	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Fitness Overall	2023	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Fitness Overall	2024	Onsite	0.0578	0.5327	0.6375	1.05E-03	0	0.0229	0.0229	0	0.0215	0.0215	0	88.3536	88.3536	0.0233	0	88.9372
P.1 Fitness Overall	2024	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Fitness Overall	2024	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Fitness Overall	2024	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Fitness Build Found	2023	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Fitness Build Found	2023	Hauling	0	1.50E-04	4.00E-05	0	2.00E-05	0	2.00E-05	0	0	1.00E-05	0	0.0599	0.0599	0	1.00E-05	0.0628
P.1 Fitness Build Found	2023	Vendor	3.00E-05	1.14E-03	3.60E-04	1.00E-05	1.70E-04	1.00E-05	1.70E-04	5.00E-05	1.00E-05	5.00E-05	0	0.507	0.507	1.00E-05	7.00E-05	0.5295
P.1 Fitness Build Found	2023	Worker	1.02E-03	7.10E-04	9.13E-03	3.00E-05	3.24E-03	2.00E-05	3.25E-03	8.60E-04	1.00E-05	8.80E-04	0	2.4943	2.4943	7.00E-05	7.00E-05	2.5166
P.1 Fitness Build Found	2024	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Fitness Build Found	2024	Hauling	0	1.60E-04	5.00E-05	0	2.00E-05	0	2.00E-05	1.00E-05	0	1.00E-05	0	0.0659	0.0659	0	1.00E-05	0.0691
P.1 Fitness Build Found	2024	Vendor	3.00E-05	1.27E-03	3.90E-04	1.00E-05	1.90E-04	1.00E-05	2.00E-04	5.00E-05	1.00E-05	6.00E-05	0	0.5583	0.5583	1.00E-05	8.00E-05	0.583
P.1 Fitness Build Found	2024	Worker	1.07E-03	7.10E-04	9.54E-03	3.00E-05	3.62E-03	2.00E-05	3.63E-03	9.60E-04	2.00E-05	9.80E-04	0	2.7202	2.7202	7.00E-05	7.00E-05	2.7433
P.1 Fitness Build Frame	2024	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Fitness Build Frame	2024	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Fitness Build Frame	2024	Vendor	1.00E-04	4.19E-03	1.29E-03	2.00E-05	6.20E-04	2.00E-05	6.40E-04	1.80E-04	2.00E-05	2.00E-04	0	1.8415	1.8415	4.00E-05	2.70E-04	1.923
P.1 Fitness Build Frame	2024	Worker	2.86E-03	1.90E-03	0.0256	8.00E-05	9.68E-03	5.00E-05	9.74E-03	2.58E-03	4.00E-05	2.62E-03	0	7.2895	7.2895	1.90E-04	1.90E-04	7.3515
P.1 Fitness Building Exterior	2024	Onsite	7.60E-04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Fitness Building Exterior	2024	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Fitness Building Exterior	2024	Vendor	6.00E-05	2.47E-03	7.60E-04	1.00E-05	3.70E-04	1.00E-05	3.80E-04	1.10E-04	1.00E-05	1.20E-04	0	1.0873	1.0873	2.00E-05	1.60E-04	1.1354
P.1 Fitness Building Exterior	2024	Worker	1.73E-03	1.15E-03	0.0155	5.00E-05	5.87E-03	3.00E-05	5.90E-03	1.56E-03	3.00E-05	1.59E-03	0	4.4143	4.4143	1.20E-04	1.20E-04	4.4518
P.1 Fitness Interiors	2024	Onsite	0.8151	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Fitness Interiors	2024	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Fitness Interiors	2024	Vendor	9.00E-05	3.65E-03	1.13E-03	2.00E-05	5.40E-04	2.00E-05	5.60E-04	1.60E-04	2.00E-05	1.80E-04	0	1.6064	1.6064	3.00E-05	2.40E-04	1.6775
P.1 Fitness Interiors	2024	Worker	2.36E-03	1.56E-03	0.021	6.00E-05	7.97E-03	4.00E-05	8.00E-03	2.12E-03	3.00E-05	2.15E-03	0	5.9921	5.9921	1.60E-04	1.60E-04	6.043
P.2 Build C Overall	2023	Onsite	8.48E-03	0.0775	0.0793	1.50E-04	0	3.55E-03	3.55E-03	0	3.32E-03	3.32E-03	0	12.4778	12.4778	3.45E-03	0	12.5641
P.2 Build C Overall	2023	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Overall	2023	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Overall	2023	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Overall	2024	Onsite	0.0661	0.6076	0.6464	1.21E-03	0	0.0264	0.0264	0	0.0246	0.0246	0	102.1598	102.1598	0.0281	0	102.8627
P.2 Build C Overall	2024	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Overall	2023	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Overall	2023	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Overall	2025	Onsite	0.0376	0.3475	0.3907	7.40E-04	0	0.0141	0.0141	0	0.0132	0.0132	0	62.3897	62.3897	0.0171	0	62.8175
P.2 Build C Overall	2025	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Overall	2025	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Overall	2025	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Excavation	2023	Onsite	0	0	0	0	0.01	0	0.01	1.10E-03	0	1.10E-03	0	0	0	0	0	0
P.2 Build C Excavation	2023	Hauling	7.90E-04	0.0404	0.0119	1.70E-04	4.49E-03	2.90E-04	4.78E-03	1.24E-03	2.80E-04	1.52E-03	0	16.442	16.442	5.50E-04	2.61E-03	17.2326
P.2 Build C Excavation	2023	Vendor	2.00E-05	7.10E-04	2.20E-04	0	1.10E-04	0	1.10E-04	3.00E-05	0	3.00E-05	0	0.3181	0.3181	1.00E-05	5.00E-05	0.3322
P.2 Build C Excavation	2023	Worker	2.04E-03	1.42E-03	0.0183	5.00E-05	6.47E-03	3.00E-05	6.50E-03	1.72E-03	3.00E-05	1.75E-03	0	4.9887	4.9887	1.40E-04	1.40E-04	5.0331
P.2 Build C Excavation	2024	Onsite	0	0	0	0	0.01	0	0.01	1.10E-03	0	1.10E-03	0	0	0	0	0	0
P.2 Build C Excavation	2024	Hauling	2.20E-04	0.0114	3.37E-03	5.00E-05	1.26E-03	8.00E-05	1.35E-03	3.50E-04	8.00E-05	4.30E-04	0	4.5511	4.5511	1.50E-04	7.20E-04	4.77
P.2 Build C Excavation	2024	Vendor	0	2.00E-04	6.00E-05	0	3.00E-05	0	3.00E-05	1.00E-05	0	1.00E-05	0	0.0882	0.0882	0	1.00E-05	0.0921
P.2 Build C Excavation	2024	Worker	5.40E-04	3.60E-04	4.80E-03	1.00E-05	1.82E-03	1.00E-05	1.83E-03	4.80E-04	1.00E-05	4.90E-04	0	1.369	1.369	4.00E-05	4.00E-05	1.3807
P.2 Build C Concrete Found	2024	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Concrete Found	2024	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Concrete Found	2024	Vendor	4.30E-04	0.018	5.58E-03	8.00E-05	2.67E-03	1.10E-04	2.77E-03	7.70E-04	1.00E-04	8.70E-04	0	7.9342	7.9342	1.70E-04	1.16E-03	8.2851
P.2 Build C Concrete Found	2024	Worker	0.0106	7.04E-03	0.0946	2.90E-04	0.0359	1.70E-04	0.036	9.54E-03	1.60E-04	9.70E-03	0	26.9778	26.9778	7.20E-04	7.10E-04	27.2071
P.2 Build C Build Frame	2024	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Build Frame	2024	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Build Frame	2024	Vendor	1.60E-04	6.86E-03	2.12E-03	3.00E-05	1.01E-03	4.00E-05	1.05E-03	2.90E-04	4.00E-05	3.30E-04	0	3.017	3.017	6.00E-05	4.40E-04	3.1504
P.2 Build C Build Frame	2024	Worker	4.69E-03	3.12E-03	0.0419	1.30E-04	0.0159	8.00E-05	0.016	4.22E-03	7.00E-05	4.29E-03	0	11.9424	11.9424	3.20E-04	3.10E-04	12.0439
P.2 Build C Building Exterior	2024	Onsite	4.30E-04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Building Exterior	2024	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Building Exterior	2024	Vendor	6.00E-05	2.67E-03	8.30E-04	1.00E-05	3.90E-04	2.00E-05	4.10E-04	1.10E-04	2.00E-05	1.30E-04	0	1.1754	1.1754	2.00E-05	1.70E-04	1.2274
P.2 Build C Building Exterior	2024	Worker	2.02E-03	1.34E-03	0.018	5.00E-05	6.82E-03	3.00E-05	6.85E-03	1.81E-03	3.00E-05	1.84E-03	0	5.1301	5.1301	1.40E-04	1.30E-04	5.1737
P.2 Build C Building Exterior	2025	Onsite	3.30E-04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Building Exterior	2025	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Building Exterior	2025	Vendor	5.00E-05	2.06E-03	6.30E-04	1.00E-05	3.10E-04	1.00E-05	3.20E-04	9.00E-05	1.00E-05	1.00E-04	0	0.8955	0.8955	2.00E-05	1.30E-04	0.9351
P.2 Build C Building Exterior	2025	Worker	1.47E-03	9.40E-04	0.0131	4.00E-05	5.29E-03	2.00E-05	5.31E-03	1.41E-03	2.00E-05	1.43E-03	0	3.8825	3.8825	1.00E-04	1.00E-04	3.9141
P.2 Build C Interiors	2025	Onsite	0.8151	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Interiors	2025	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Interiors	2025	Vendor	2.70E-04	0.0115	3.52E-03	5.00E-05	1.71E-03	7.00E-05	1.78E-03	4.90E-04	7.00E-05	5.60E-04	0	5.0072	5.0072	1.10E-04	7.30E-04	5.2283
P.2 Build C Interiors	2025	Worker	0.0162	0.0103	0.1444	4.50E-04	0.0583	2.60E-04	0.0585	0.0155	2.40E-04	0.0157	0	42.7857	42.7857	1.06E-03	1.08E-03	43.1342

Alternative 2 Emissions by Phase

Phase	Year	Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
P.2 Meeting Hall Overall	2024	Onsite	6.03E-03	0.0587	0.064	1.20E-04	0	2.45E-03	2.45E-03	0	2.28E-03	2.28E-03	0	10.4642	10.4642	3.07E-03	0	10.5411
P.2 Meeting Hall Overall	2024	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Meeting Hall Overall	2024	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Meeting Hall Overall	2024	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Meeting Hall Overall	2025	Onsite	0.0604	0.5881	0.6798	1.31E-03	0	0.0231	0.0231	0	0.0215	0.0215	0	112.3051	112.3051	0.0329	0	113.1284
P.2 Meeting Hall Overall	2025	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Meeting Hall Overall	2025	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Meeting Hall Overall	2025	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Meeting Hall Excavation	2024	Onsite	0	0	0	0	5.14E-03	0	5.14E-03	5.60E-04	0	5.60E-04	0	0	0	0	0	0
P.2 Meeting Hall Excavation	2024	Hauling	1.30E-04	6.41E-03	1.90E-03	3.00E-05	7.10E-04	5.00E-05	7.60E-04	2.00E-04	4.00E-05	2.40E-04	0	2.5648	2.5648	9.00E-05	4.10E-04	2.6882
P.2 Meeting Hall Excavation	2024	Vendor	2.00E-05	6.70E-04	2.10E-04	0	1.00E-04	0	1.00E-04	3.00E-05	0	3.00E-05	0	0.2939	0.2939	1.00E-05	4.00E-05	0.3069
P.2 Meeting Hall Excavation	2024	Worker	6.00E-04	4.00E-04	5.34E-03	2.00E-05	2.02E-03	1.00E-05	2.03E-03	5.40E-04	1.00E-05	5.50E-04	0	1.5211	1.5211	4.00E-05	4.00E-05	1.5341
P.2 Meeting Hall Excavation	2025	Onsite	0	0	0	0	5.14E-03	0	5.14E-03	5.60E-04	0	5.60E-04	0	0	0	0	0	0
P.2 Meeting Hall Excavation	2025	Hauling	5.00E-05	2.55E-03	7.60E-04	1.00E-05	2.80E-04	2.00E-05	3.00E-04	8.00E-05	2.00E-05	1.00E-04	0	1.0062	1.0062	3.00E-05	1.60E-04	1.0546
P.2 Meeting Hall Excavation	2025	Vendor	1.00E-05	2.70E-04	8.00E-05	0	4.00E-05	0	4.00E-05	1.00E-05	0	1.00E-05	0	0.1156	0.1156	0	2.00E-05	0.1207
P.2 Meeting Hall Excavation	2025	Worker	2.30E-04	1.40E-04	2.01E-03	1.00E-05	8.10E-04	0	8.10E-04	2.20E-04	0	2.20E-04	0	0.5942	0.5942	1.00E-05	2.00E-05	0.599
P.2 Meeting Hall Concrete Found	2025	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Meeting Hall Concrete Found	2025	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Meeting Hall Concrete Found	2025	Vendor	3.00E-04	0.0127	3.88E-03	6.00E-05	1.88E-03	8.00E-05	1.96E-03	5.40E-04	7.00E-05	6.20E-04	0	5.5079	5.5079	1.20E-04	8.10E-04	5.7511
P.2 Meeting Hall Concrete Found	2025	Worker	1.55E-03	9.90E-04	0.0138	4.00E-05	5.57E-03	3.00E-05	5.59E-03	1.48E-03	2.00E-05	1.50E-03	0	4.0893	4.0893	1.00E-04	1.00E-04	4.1226
P.2 Meeting Hall Build Frame	2025	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Meeting Hall Build Frame	2025	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Meeting Hall Build Frame	2025	Vendor	6.00E-05	2.40E-03	7.30E-04	1.00E-05	3.60E-04	1.00E-05	3.70E-04	1.00E-04	1.00E-05	1.20E-04	0	1.04	1.04	2.00E-05	1.50E-04	1.0859
P.2 Meeting Hall Build Frame	2025	Worker	5.10E-04	3.20E-04	4.51E-03	1.00E-05	1.82E-03	1.00E-05	1.83E-03	4.80E-04	1.00E-05	4.90E-04	0	1.3369	1.3369	3.00E-05	3.00E-05	1.3478
P.2 Meeting Hall Build Exterior	2025	Onsite	7.60E-04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Meeting Hall Build Exterior	2025	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Meeting Hall Build Exterior	2025	Vendor	8.00E-05	3.19E-03	9.80E-04	1.00E-05	4.70E-04	2.00E-05	4.90E-04	1.40E-04	2.00E-05	1.60E-04	0	1.3866	1.3866	3.00E-05	2.00E-04	1.4478
P.2 Meeting Hall Build Exterior	2025	Worker	8.70E-04	5.60E-04	7.78E-03	2.00E-05	3.14E-03	1.00E-05	3.15E-03	8.40E-04	1.00E-05	8.50E-04	0	2.3068	2.3068	6.00E-05	6.00E-05	2.3256
P.2 Meeting Hall Interiors	2025	Onsite	0.8151	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Meeting Hall Interiors	2025	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Meeting Hall Interiors	2025	Vendor	8.00E-05	3.55E-03	1.08E-03	2.00E-05	5.30E-04	2.00E-05	5.50E-04	1.50E-04	2.00E-05	1.70E-04	0	1.5407	1.5407	3.00E-05	2.30E-04	1.6087
P.2 Meeting Hall Interiors	2025	Worker	1.63E-03	1.04E-03	0.0146	5.00E-05	5.87E-03	3.00E-05	5.90E-03	1.56E-03	2.00E-05	1.59E-03	0	4.3106	4.3106	1.10E-04	1.10E-04	4.3457
Phase 3 - Saws Wing 1	2023	Onsite	0.015	0.1163	0.1646	2.80E-04	0	5.77E-03	5.77E-03	0	5.77E-03	5.77E-03	0	24.1946	24.1946	1.19E-03	0	24.2244
Phase 3 - Saws Wing 1	2023	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 3 - Saws Wing 1	2023	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 3 - Saws Wing 1	2023	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 3 - Air Compressors	2023	Onsite	0.1112	0.2259	0.3139	5.20E-04	0	0.0123	0.0123	0	0.0123	0.0123	0	44.2564	44.2564	2.65E-03	0	44.3226
Phase 3 - Air Compressors	2023	Hauling	0	1.90E-04	6.00E-05	0	2.00E-05	0	2.00E-05	1.00E-05	0	1.00E-05	0	0.0787	0.0787	0	1.00E-05	0.0825
Phase 3 - Air Compressors	2023	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 3 - Air Compressors	2023	Worker	3.25E-03	2.26E-03	0.0291	9.00E-05	0.0103	5.00E-05	0.0104	2.74E-03	5.00E-05	2.79E-03	0	7.9477	7.9477	2.30E-04	2.20E-04	8.0185
Phase 3 - Air Compressors	2024	Onsite	0.2204	0.4258	0.6323	1.04E-03	0	0.0213	0.0213	0	0.0213	0.0213	0	89.1937	89.1937	5.02E-03	0	89.3192
Phase 3 - Air Compressors	2024	Hauling	1.00E-05	3.90E-04	1.20E-04	0	4.00E-05	0	5.00E-05	1.00E-05	0	1.00E-05	0	0.1561	0.1561	1.00E-05	2.00E-05	0.1636
Phase 3 - Air Compressors	2024	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 3 - Air Compressors	2024	Worker	6.14E-03	4.08E-03	0.0548	1.70E-04	0.0208	1.00E-04	0.0209	5.53E-03	9.00E-05	5.62E-03	0	15.6289	15.6289	4.10E-04	4.10E-04	15.7617
Phase 3 - Air Compressors	2025	Onsite	0.1093	0.2016	0.3184	5.20E-04	0	9.06E-03	9.06E-03	0	9.06E-03	9.06E-03	0	44.9373	44.9373	2.45E-03	0	44.9986
Phase 3 - Air Compressors	2025	Hauling	0	2.00E-04	6.00E-05	0	2.00E-05	0	2.00E-05	1.00E-05	0	1.00E-05	0	0.0771	0.0771	0	1.00E-05	0.0809
Phase 3 - Air Compressors	2025	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 3 - Air Compressors	2025	Worker	2.92E-03	1.86E-03	0.026	8.00E-05	0.0105	5.00E-05	0.0105	2.78E-03	4.00E-05	2.83E-03	0	7.6892	7.6892	1.90E-04	1.90E-04	7.7518
Phase 3 - Saws Wing 2	2024	Onsite	0.0141	0.1086	0.1643	2.80E-04	0	4.97E-03	4.97E-03	0	4.97E-03	4.97E-03	0	24.1945	24.1945	1.15E-03	0	24.2233
Phase 3 - Saws Wing 2	2024	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 3 - Saws Wing 2	2024	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 3 - Saws Wing 2	2024	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 3 - Saws Wing 3	2024	Onsite	0.0141	0.1086	0.1643	2.80E-04	0	4.97E-03	4.97E-03	0	4.97E-03	4.97E-03	0	24.1945	24.1945	1.15E-03	0	24.2233
Phase 3 - Saws Wing 3	2024	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 3 - Saws Wing 3	2024	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 3 - Saws Wing 3	2024	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 3 - Saws Wing 4	2025	Onsite	0.0133	0.1021	0.164	2.80E-04	0	4.18E-03	4.18E-03	0	4.18E-03	4.18E-03	0	24.1946	24.1946	1.06E-03	0	24.2212
Phase 3 - Saws Wing 4	2025	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 3 - Saws Wing 4	2025	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 3 - Saws Wing 4	2025	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
2023	0.22	1.07	1.35009	0.00303	0.08052	0.05	0.12654	0.01938	0.04	0.06365
2024	2.12	2.47	3.36015	0.0068	0.20424	0.11	0.3103	0.05215	0.10	0.15351
2025	1.88	1.29	1.79082	0.00372	0.10204	0.05	0.153	0.02644	0.05	0.07496

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
2023	432.26	2137.50	2700.18	6.06	161.04	92.10	253.08	38.76	88.54	127.3
2024	4239.98	4932.74	6720.3	13.6	408.48	212.46	620.6	104.3	202.72	307.02
2025	3756.34	2587.74	3581.64	7.44	204.08	102.16	306	52.88	97.04	149.92

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
2023	3.33	16.44	20.77062	0.046615385	1.238769231	0.71	1.946769231	0.298153846	0.68	0.979230769
2024	16.18	18.83	25.65	0.051908397	1.559083969	0.81	2.36870229	0.398091603	0.77	1.171832061
2025	23.19	15.97	22.10889	0.045925926	1.259753086	0.63	1.888888889	0.326419753	0.60	0.925432099

	Start Date	End Date	Days
2023	7/3/2023	12/31/2023	130
2024	1/1/2024	12/31/2024	262
2025	1/1/2025	8/14/2025	162

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

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Retirement Community	22.00	Dwelling Unit	0.41	35,898.00	63
Retirement Community	20.00	Dwelling Unit	0.42	41,715.00	57
Enclosed Parking with Elevator	34.00	Space	0.00	16,879.00	0
Enclosed Parking with Elevator	77.00	Space	0.00	25,899.00	0
Retirement Community	12.00	Dwelling Unit	0.40	21,251.00	34
Place of Worship	4.79	1000sqft	0.11	4,792.00	0
Enclosed Parking with Elevator	32.00	Space	0.00	13,683.00	0
Single Family Housing	1.00	Dwelling Unit	0.05	2,200.00	3
Enclosed Parking with Elevator	7.04	1000sqft	0.16	0.00	0
Health Club	1.07	1000sqft	0.02	1,065.00	0
Other Asphalt Surfaces	25.12	1000sqft	0.58	25,118.00	0
Other Non-Asphalt Surfaces	74.60	1000sqft	1.71	74,596.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2028
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

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

Land Use - Project specific land uses and square footage. Place of worship to represent meeting room addition. Health club to represent fitness center. Single family housing to represent single cottage.

Construction Phase - Alt 3 specific construction schedule.

Off-road Equipment - Project specific equipment for Phase 1.

Off-road Equipment - Equipment accounted for under P.1 Roadway Reloc and Utility Prep

Off-road Equipment - Project specific equipment for Phase 2 Build C.

Off-road Equipment - Equipment accounted for in overall phase

Off-road Equipment - Equipment accounted for in overall phase

Off-road Equipment - Equipment accounted for in overall phase

Off-road Equipment - Equipment accounted for in overall phase

Off-road Equipment - Equipment accounted for in overall phase

Off-road Equipment - Project specific equipment.

Off-road Equipment - CalEEMod default equipment based on size of cottage.

Off-road Equipment - Equipment accounted for in overall phase.

Off-road Equipment - Equipment accounted for in overall phase

Off-road Equipment - Equipment accounted for in overall phase

Off-road Equipment - Equipment accounted for in overall phase

Off-road Equipment - Equipment accounted for in overall phase

Off-road Equipment - Project specific equipment.

Off-road Equipment - Equipment accounted for in overall phase

Off-road Equipment - Equipment accounted for in overall phase

Off-road Equipment - Equipment accounted for in overall phase

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Off-road Equipment - Equipment accounted for in overall phase

Off-road Equipment - CalEEMod default equipment based on size of cottage

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Off-road Equipment - CalEEMod default equipment based on size of cottage

Off-road Equipment - Project specific equipment.

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

Off-road Equipment - Equipment accounted for in overall phase.

Off-road Equipment - Equipment accounted for in overall phase.

Off-road Equipment - Equipment accounted for in overall phase.

Off-road Equipment - Equipment accounted for in overall phase.

Off-road Equipment - Project specific equipment.

Off-road Equipment - Equipment accounted for in overall phase.

Off-road Equipment - Equipment accounted for in overall phase.

Off-road Equipment - Equipment accounted for in overall phase.

Off-road Equipment - Equipment accounted for in overall phase.

Off-road Equipment - Equipment accounted for in overall phase.

Grading - Estimated material export quantities by phase.

Demolition - Based on 410 CY of demo debris for cottage and surface parking

Trips and VMT - Project specific vehicle trips; cottage based on CaEEMod defaults.

Vehicle Trips - Operational emissions estimated in separate run.

Woodstoves - Operational emissions estimated in separate run.

Consumer Products - Operational emissions estimated in separate run.

Area Coating - Operational emissions estimated in separate run.

Energy Use - Operational emissions estimated in separate run.

Water And Wastewater - Operational emissions estimated in separate run.

Solid Waste - Operational emissions estimated in separate run.

Construction Off-road Equipment Mitigation - Assumes implementation of BAAQMD Fugitive Dust Control and accounts for anticipated electrical equipment.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	2929	0
tblAreaCoating	Area_Nonresidential_Interior	8786	0
tblAreaCoating	Area_Parking	9371	0
tblAreaCoating	Area_Residential_Exterior	68218	0
tblAreaCoating	Area_Residential_Interior	204655	0
tblConstEquipMitigation	FuelType	Diesel	Electrical

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

tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstructionPhase	NumDays	230.00	425.00
tblConstructionPhase	NumDays	8.00	70.00
tblConstructionPhase	NumDays	5.00	70.00
tblConstructionPhase	NumDays	8.00	30.00
tblConstructionPhase	NumDays	230.00	125.00
tblConstructionPhase	NumDays	230.00	75.00
tblConstructionPhase	NumDays	18.00	70.00
tblConstructionPhase	NumDays	18.00	125.00
tblConstructionPhase	NumDays	230.00	340.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	8.00	30.00
tblConstructionPhase	NumDays	230.00	90.00
tblConstructionPhase	NumDays	230.00	50.00
tblConstructionPhase	NumDays	18.00	50.00
tblConstructionPhase	NumDays	18.00	110.00
tblConstructionPhase	NumDays	230.00	170.00
tblConstructionPhase	NumDays	8.00	20.00
tblConstructionPhase	NumDays	230.00	50.00
tblConstructionPhase	NumDays	230.00	25.00
tblConstructionPhase	NumDays	18.00	35.00
tblConstructionPhase	NumDays	18.00	40.00
tblConstructionPhase	NumDays	8.00	10.00
tblConstructionPhase	NumDays	230.00	20.00
tblConstructionPhase	NumDays	230.00	25.00
tblConstructionPhase	NumDays	18.00	25.00
tblConstructionPhase	NumDays	18.00	40.00

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

tblConstructionPhase	NumDays	230.00	155.00
tblConstructionPhase	NumDays	230.00	35.00
tblConstructionPhase	NumDays	230.00	45.00
tblConstructionPhase	NumDays	18.00	35.00
tblConstructionPhase	NumDays	18.00	40.00
tblConstructionPhase	NumDays	230.00	360.00
tblConstructionPhase	NumDays	8.00	20.00
tblConstructionPhase	NumDays	230.00	90.00
tblConstructionPhase	NumDays	230.00	75.00
tblConstructionPhase	NumDays	18.00	65.00
tblConstructionPhase	NumDays	18.00	110.00
tblConstructionPhase	PhaseEndDate	9/3/2025	6/29/2026
tblConstructionPhase	PhaseEndDate	10/16/2024	12/9/2024
tblConstructionPhase	PhaseEndDate	10/4/2024	12/9/2024
tblConstructionPhase	PhaseStartDate	10/17/2024	11/12/2024
tblConstructionPhase	PhaseStartDate	10/5/2024	9/3/2024
tblConstructionPhase	PhaseStartDate	9/28/2024	9/3/2024
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	LightingElect	3.08	0.00
tblEnergyUse	LightingElect	3.08	0.00
tblEnergyUse	LightingElect	1,001.10	0.00
tblEnergyUse	LightingElect	1,608.84	0.00
tblEnergyUse	NT24E	0.19	0.00
tblEnergyUse	NT24E	3.70	0.00
tblEnergyUse	NT24E	3.70	0.00
tblEnergyUse	NT24E	3,172.76	0.00

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

tblEnergyUse	NT24E	6,155.97	0.00
tblEnergyUse	NT24NG	6.67	0.00
tblEnergyUse	NT24NG	6.67	0.00
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	T24E	3.50	0.00
tblEnergyUse	T24E	1.32	0.00
tblEnergyUse	T24E	1.32	0.00
tblEnergyUse	T24E	77.89	0.00
tblEnergyUse	T24E	68.41	0.00
tblEnergyUse	T24NG	19.51	0.00
tblEnergyUse	T24NG	19.51	0.00
tblEnergyUse	T24NG	6,712.79	0.00
tblEnergyUse	T24NG	23,474.54	0.00
tblFireplaces	NumberGas	8.10	0.00
tblFireplaces	NumberGas	0.25	0.00
tblFireplaces	NumberWood	9.18	0.00
tblFireplaces	NumberWood	0.43	0.00
tblGrading	AcresOfGrading	0.00	8.00
tblGrading	AcresOfGrading	2.49	7.50
tblGrading	AcresOfGrading	0.00	30.00
tblGrading	AcresOfGrading	0.00	20.00
tblGrading	AcresOfGrading	7.50	10.00
tblGrading	AcresOfGrading	0.00	20.00
tblGrading	AcresOfGrading	0.00	30.00
tblGrading	MaterialExported	0.00	2,500.00
tblGrading	MaterialExported	0.00	8,400.00
tblGrading	MaterialExported	0.00	720.00
tblGrading	MaterialExported	0.00	240.00

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

tblGrading	MaterialExported	0.00	8,400.00
tblGrading	MaterialExported	0.00	6,980.00
tblGrading	MaterialImported	0.00	1,000.00
tblGrading	MaterialImported	0.00	270.00
tblGrading	MaterialImported	0.00	430.00
tblGrading	MaterialImported	0.00	120.00
tblGrading	MaterialImported	0.00	270.00
tblGrading	MaterialImported	0.00	600.00
tblLandUse	LandUseSquareFeet	22,000.00	35,898.00
tblLandUse	LandUseSquareFeet	20,000.00	41,715.00
tblLandUse	LandUseSquareFeet	13,600.00	16,879.00
tblLandUse	LandUseSquareFeet	30,800.00	25,899.00
tblLandUse	LandUseSquareFeet	12,000.00	21,251.00
tblLandUse	LandUseSquareFeet	12,800.00	13,683.00
tblLandUse	LandUseSquareFeet	1,800.00	2,200.00
tblLandUse	LandUseSquareFeet	7,043.00	0.00
tblLandUse	LotAcreage	4.40	0.41
tblLandUse	LotAcreage	4.00	0.42
tblLandUse	LotAcreage	0.31	0.00
tblLandUse	LotAcreage	0.69	0.00
tblLandUse	LotAcreage	2.40	0.40
tblLandUse	LotAcreage	0.29	0.00
tblLandUse	LotAcreage	0.32	0.05
tblOffRoadEquipment	HorsePower	231.00	408.00
tblOffRoadEquipment	HorsePower	89.00	110.00
tblOffRoadEquipment	HorsePower	84.00	40.20
tblOffRoadEquipment	HorsePower	46.00	24.20
tblOffRoadEquipment	HorsePower	231.00	408.00
tblOffRoadEquipment	HorsePower	231.00	408.00

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

tblOffRoadEquipment	HorsePower	231.00	408.00
tblOffRoadEquipment	HorsePower	231.00	408.00
tblOffRoadEquipment	HorsePower	78.00	49.00
tblOffRoadEquipment	HorsePower	247.00	215.00
tblOffRoadEquipment	HorsePower	158.00	273.00
tblOffRoadEquipment	HorsePower	172.00	157.00
tblOffRoadEquipment	HorsePower	130.00	74.80
tblOffRoadEquipment	HorsePower	132.00	74.00
tblOffRoadEquipment	HorsePower	80.00	74.00
tblOffRoadEquipment	HorsePower	65.00	74.30
tblOffRoadEquipment	HorsePower	64.00	99.00
tblOffRoadEquipment	HorsePower	78.00	49.00
tblOffRoadEquipment	HorsePower	221.00	100.00
tblOffRoadEquipment	HorsePower	247.00	215.00
tblOffRoadEquipment	HorsePower	158.00	273.00
tblOffRoadEquipment	HorsePower	172.00	157.00
tblOffRoadEquipment	HorsePower	130.00	74.80
tblOffRoadEquipment	HorsePower	132.00	74.00
tblOffRoadEquipment	HorsePower	80.00	74.00
tblOffRoadEquipment	HorsePower	65.00	74.30
tblOffRoadEquipment	HorsePower	64.00	99.00
tblOffRoadEquipment	HorsePower	89.00	110.00
tblOffRoadEquipment	HorsePower	89.00	110.00
tblOffRoadEquipment	HorsePower	89.00	110.00
tblOffRoadEquipment	HorsePower	89.00	110.00
tblOffRoadEquipment	HorsePower	84.00	40.20
tblOffRoadEquipment	HorsePower	84.00	40.20
tblOffRoadEquipment	HorsePower	84.00	40.20
tblOffRoadEquipment	HorsePower	84.00	40.20

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

tblOffRoadEquipment	HorsePower	46.00	24.20
tblOffRoadEquipment	HorsePower	46.00	24.20
tblOffRoadEquipment	HorsePower	46.00	24.20
tblOffRoadEquipment	HorsePower	46.00	24.20
tblOffRoadEquipment	HorsePower	158.00	273.00
tblOffRoadEquipment	HorsePower	84.00	40.20
tblOffRoadEquipment	HorsePower	172.00	157.00
tblOffRoadEquipment	HorsePower	130.00	74.80
tblOffRoadEquipment	HorsePower	132.00	74.00
tblOffRoadEquipment	HorsePower	8.00	9.00
tblOffRoadEquipment	HorsePower	65.00	74.30
tblOffRoadEquipment	HorsePower	78.00	49.00
tblOffRoadEquipment	HorsePower	221.00	100.00
tblOffRoadEquipment	HorsePower	247.00	215.00
tblOffRoadEquipment	HorsePower	158.00	273.00
tblOffRoadEquipment	HorsePower	172.00	157.00
tblOffRoadEquipment	HorsePower	130.00	74.80
tblOffRoadEquipment	HorsePower	132.00	74.00
tblOffRoadEquipment	HorsePower	80.00	74.00
tblOffRoadEquipment	HorsePower	65.00	74.30
tblOffRoadEquipment	HorsePower	64.00	99.00
tblOffRoadEquipment	HorsePower	78.00	49.00
tblOffRoadEquipment	HorsePower	221.00	100.00
tblOffRoadEquipment	HorsePower	247.00	215.00
tblOffRoadEquipment	HorsePower	158.00	273.00
tblOffRoadEquipment	HorsePower	172.00	157.00
tblOffRoadEquipment	HorsePower	130.00	74.80
tblOffRoadEquipment	HorsePower	132.00	74.00
tblOffRoadEquipment	HorsePower	80.00	74.00

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

tblOffRoadEquipment	HorsePower	65.00	74.30
tblOffRoadEquipment	HorsePower	64.00	99.00
tblOffRoadEquipment	HorsePower	78.00	49.00
tblOffRoadEquipment	HorsePower	221.00	100.00
tblOffRoadEquipment	HorsePower	247.00	215.00
tblOffRoadEquipment	HorsePower	158.00	273.00
tblOffRoadEquipment	HorsePower	172.00	157.00
tblOffRoadEquipment	HorsePower	130.00	74.80
tblOffRoadEquipment	HorsePower	132.00	74.00
tblOffRoadEquipment	HorsePower	80.00	74.00
tblOffRoadEquipment	HorsePower	65.00	74.30
tblOffRoadEquipment	HorsePower	64.00	99.00
tblOffRoadEquipment	LoadFactor	0.40	0.40
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.42	0.42
tblOffRoadEquipment	LoadFactor	0.42	0.42
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.46	0.46
tblOffRoadEquipment	LoadFactor	0.31	0.31
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.40	0.40
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.42	0.42
tblOffRoadEquipment	LoadFactor	0.42	0.42
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37

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

tblOffRoadEquipment	LoadFactor	0.46	0.46
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.41	0.41
tblOffRoadEquipment	LoadFactor	0.42	0.42
tblOffRoadEquipment	LoadFactor	0.42	0.42
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.31	0.31
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.40	0.40
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.42	0.42
tblOffRoadEquipment	LoadFactor	0.42	0.42
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.46	0.46
tblOffRoadEquipment	LoadFactor	0.31	0.31
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.40	0.40
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.42	0.42
tblOffRoadEquipment	LoadFactor	0.42	0.42
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.46	0.46
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.31	0.31

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

tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.40	0.40
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.42	0.42
tblOffRoadEquipment	LoadFactor	0.42	0.42
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.46	0.46
tblOffRoadEquipment	LoadFactor	0.31	0.31
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Dozers
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Other Construction Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Pavers
tblOffRoadEquipment	OffRoadEquipmentType		Paving Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Dozers
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Other Construction Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Pavers
tblOffRoadEquipment	OffRoadEquipmentType		Paving Equipment

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

tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Graders
tblOffRoadEquipment	OffRoadEquipmentType		Other Construction Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Pavers
tblOffRoadEquipment	OffRoadEquipmentType		Paving Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Dozers
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Other Construction Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Pavers
tblOffRoadEquipment	OffRoadEquipmentType		Paving Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Dozers

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

tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Other Construction Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Pavers
tblOffRoadEquipment	OffRoadEquipmentType		Paving Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Dozers
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Other Construction Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Pavers
tblOffRoadEquipment	OffRoadEquipmentType		Paving Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.28
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	9.44
tblOffRoadEquipment	UsageHours	8.00	4.33
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	1.09
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.71
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00

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

tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	0.77
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.33
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.35
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	9.18
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	17.81
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	7.67
tblOffRoadEquipment	UsageHours	8.00	0.00

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

tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	10.41
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	4.47
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	3.44
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	5.06
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00

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

tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	7.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	8.00	1.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00

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

tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	1.85
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	3.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	1.29
tblOffRoadEquipment	UsageHours	8.00	0.00

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

tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	1.15
tblSolidWaste	SolidWasteGenerationRate	6.04	0.00
tblSolidWaste	SolidWasteGenerationRate	27.30	0.00
tblSolidWaste	SolidWasteGenerationRate	24.84	0.00
tblSolidWaste	SolidWasteGenerationRate	1.26	0.00
tblTripsAndVMT	HaulingTripLength	20.00	10.20
tblTripsAndVMT	HaulingTripLength	20.00	10.20
tblTripsAndVMT	HaulingTripLength	20.00	10.20
tblTripsAndVMT	HaulingTripLength	20.00	10.20
tblTripsAndVMT	HaulingTripLength	20.00	10.20
tblTripsAndVMT	HaulingTripLength	20.00	10.20
tblTripsAndVMT	HaulingTripLength	20.00	10.20
tblTripsAndVMT	HaulingTripLength	20.00	10.20
tblTripsAndVMT	HaulingTripNumber	0.00	8.00
tblTripsAndVMT	HaulingTripNumber	20.00	51.00
tblTripsAndVMT	HaulingTripNumber	144.00	230.00
tblTripsAndVMT	HaulingTripNumber	1,084.00	592.00
tblTripsAndVMT	HaulingTripNumber	948.00	1,328.00
tblTripsAndVMT	VendorTripNumber	32.00	0.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	32.00	8.00
tblTripsAndVMT	VendorTripNumber	32.00	6.00

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

tblTripsAndVMT	VendorTripNumber	32.00	0.00
tblTripsAndVMT	VendorTripNumber	32.00	11.00
tblTripsAndVMT	VendorTripNumber	32.00	4.00
tblTripsAndVMT	VendorTripNumber	32.00	2.00
tblTripsAndVMT	VendorTripNumber	32.00	0.00
tblTripsAndVMT	VendorTripNumber	32.00	0.00
tblTripsAndVMT	VendorTripNumber	32.00	3.00
tblTripsAndVMT	VendorTripNumber	32.00	4.00
tblTripsAndVMT	VendorTripNumber	32.00	0.00
tblTripsAndVMT	VendorTripNumber	32.00	8.00
tblTripsAndVMT	VendorTripNumber	32.00	4.00
tblTripsAndVMT	VendorTripNumber	32.00	7.00
tblTripsAndVMT	VendorTripNumber	32.00	4.00
tblTripsAndVMT	VendorTripNumber	32.00	0.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	5.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	3.00
tblTripsAndVMT	VendorTripNumber	0.00	3.00
tblTripsAndVMT	VendorTripNumber	0.00	3.00
tblTripsAndVMT	WorkerTripNumber	23.00	34.00
tblTripsAndVMT	WorkerTripNumber	107.00	0.00
tblTripsAndVMT	WorkerTripNumber	21.00	100.00
tblTripsAndVMT	WorkerTripNumber	21.00	37.00
tblTripsAndVMT	WorkerTripNumber	21.00	6.00

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

tblTripsAndVMT	WorkerTripNumber	21.00	49.00
tblTripsAndVMT	WorkerTripNumber	21.00	100.00
tblTripsAndVMT	WorkerTripNumber	21.00	113.00
tblTripsAndVMT	WorkerTripNumber	107.00	48.00
tblTripsAndVMT	WorkerTripNumber	107.00	52.00
tblTripsAndVMT	WorkerTripNumber	107.00	0.00
tblTripsAndVMT	WorkerTripNumber	107.00	27.00
tblTripsAndVMT	WorkerTripNumber	107.00	17.00
tblTripsAndVMT	WorkerTripNumber	107.00	8.00
tblTripsAndVMT	WorkerTripNumber	107.00	6.00
tblTripsAndVMT	WorkerTripNumber	107.00	0.00
tblTripsAndVMT	WorkerTripNumber	107.00	48.00
tblTripsAndVMT	WorkerTripNumber	107.00	52.00
tblTripsAndVMT	WorkerTripNumber	107.00	0.00
tblTripsAndVMT	WorkerTripNumber	107.00	48.00
tblTripsAndVMT	WorkerTripNumber	107.00	52.00
tblTripsAndVMT	WorkerTripNumber	107.00	67.00
tblTripsAndVMT	WorkerTripNumber	107.00	52.00
tblTripsAndVMT	WorkerTripNumber	107.00	0.00
tblTripsAndVMT	WorkerTripNumber	0.00	34.00
tblTripsAndVMT	WorkerTripNumber	0.00	34.00
tblTripsAndVMT	WorkerTripNumber	8.00	5.00
tblTripsAndVMT	WorkerTripNumber	0.00	34.00
tblTripsAndVMT	WorkerTripNumber	0.00	51.00
tblTripsAndVMT	WorkerTripNumber	0.00	40.00
tblTripsAndVMT	WorkerTripNumber	0.00	22.00
tblTripsAndVMT	WorkerTripNumber	0.00	40.00
tblTripsAndVMT	WorkerTripNumber	0.00	40.00
tblTripsAndVMT	WorkerTripNumber	0.00	43.00

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

tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	5.99	0.00
tblVehicleTrips	ST_TR	2.03	0.00
tblVehicleTrips	ST_TR	9.54	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	27.63	0.00
tblVehicleTrips	SU_TR	1.95	0.00
tblVehicleTrips	SU_TR	8.55	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	6.95	0.00
tblVehicleTrips	WD_TR	2.40	0.00
tblVehicleTrips	WD_TR	9.44	0.00
tblWater	IndoorWaterUseRate	62,691.73	0.00
tblWater	IndoorWaterUseRate	149,873.87	0.00
tblWater	IndoorWaterUseRate	3,518,317.38	0.00
tblWater	IndoorWaterUseRate	65,154.03	0.00
tblWater	OutdoorWaterUseRate	38,423.97	0.00
tblWater	OutdoorWaterUseRate	234,418.11	0.00
tblWater	OutdoorWaterUseRate	2,218,069.65	0.00
tblWater	OutdoorWaterUseRate	41,075.36	0.00
tblWoodstoves	NumberCatalytic	1.08	0.00
tblWoodstoves	NumberCatalytic	0.04	0.00
tblWoodstoves	NumberNoncatalytic	1.08	0.00
tblWoodstoves	NumberNoncatalytic	0.04	0.00

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.0394	0.3639	0.4133	1.2100e-003	0.0498	0.0115	0.0613	9.4500e-003	0.0108	0.0202	0.0000	108.1961	108.1961	0.0199	4.8600e-003	110.1413
2025	0.0899	0.7365	1.0192	2.1600e-003	0.0629	0.0268	0.0897	0.0168	0.0250	0.0418	0.0000	189.5423	189.5423	0.0391	2.9700e-003	191.4030
2026	3.6341	2.9989	4.0445	8.2000e-003	0.2344	0.1089	0.3434	0.0637	0.1017	0.1654	0.0000	718.5820	718.5820	0.1602	0.0110	725.8745
2027	0.6659	0.7539	1.0404	2.2800e-003	0.0847	0.0264	0.1111	0.0209	0.0247	0.0456	0.0000	202.5256	202.5256	0.0400	4.3100e-003	204.8075
2028	0.8329	0.4550	0.6765	1.4500e-003	0.0573	0.0164	0.0737	0.0153	0.0153	0.0306	0.0000	128.5871	128.5871	0.0250	1.7600e-003	129.7362
Maximum	**3.6341**	**2.9989**	**4.0445**	**8.2000e-003**	**0.2344**	**0.1089**	**0.3434**	**0.0637**	**0.1017**	**0.1654**	**0.0000**	**718.5820**	**718.5820**	**0.1602**	**0.0110**	**725.8745**

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

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.0383	0.3499	0.3868	1.1700e-003	0.0362	0.0112	0.0474	7.9600e-003	0.0105	0.0185	0.0000	104.5928	104.5928	0.0188	4.8600e-003	106.5102
2025	0.0830	0.6429	0.8327	1.8700e-003	0.0629	0.0250	0.0879	0.0168	0.0233	0.0402	0.0000	164.2471	164.2471	0.0311	2.9700e-003	165.9087
2026	3.6068	2.6447	3.3573	7.1100e-003	0.2030	0.1019	0.3049	0.0548	0.0951	0.1498	0.0000	625.1618	625.1618	0.1311	0.0110	631.7291
2027	0.6588	0.6568	0.8476	1.9800e-003	0.0786	0.0246	0.1031	0.0202	0.0229	0.0432	0.0000	176.3652	176.3652	0.0317	4.3100e-003	178.4416
2028	0.8280	0.3887	0.5456	1.2400e-003	0.0573	0.0151	0.0724	0.0153	0.0141	0.0294	0.0000	110.8212	110.8212	0.0195	1.7600e-003	111.8312
Maximum	**3.6068**	**2.6447**	**3.3573**	**7.1100e-003**	**0.2030**	**0.1019**	**0.3049**	**0.0548**	**0.0951**	**0.1498**	**0.0000**	**625.1618**	**625.1618**	**0.1311**	**0.0110**	**631.7291**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.90**	**11.78**	**17.01**	**12.61**	**10.46**	**6.43**	**9.33**	**8.80**	**6.46**	**7.43**	**0.00**	**12.34**	**12.34**	**18.26**	**0.00**	**12.30**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**9-2-2024**	**12-1-2024**	0.2858	0.2792
2	**12-2-2024**	**3-1-2025**	0.2572	0.2323
3	**3-2-2025**	**6-1-2025**	0.2120	0.1867
4	**6-2-2025**	**9-1-2025**	0.2064	0.1811
5	**9-2-2025**	**12-1-2025**	0.2025	0.1774
6	**12-2-2025**	**3-1-2026**	1.1983	1.1057
7	**3-2-2026**	**6-1-2026**	2.1346	1.9797

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8	**6-2-2026**	**9-1-2026**	2.8450	2.7384
9	**9-2-2026**	**12-1-2026**	0.2844	0.2576
10	**12-2-2026**	**3-1-2027**	0.6979	0.6714
11	**3-2-2027**	**6-1-2027**	0.5266	0.5000
12	**6-2-2027**	**9-1-2027**	0.1896	0.1637
13	**9-2-2027**	**12-1-2027**	0.1844	0.1588
14	**12-2-2027**	**3-1-2028**	0.1818	0.1562
15	**3-2-2028**	**6-1-2028**	0.4476	0.4217
16	**6-2-2028**	**9-1-2028**	0.6514	0.6255
17	**9-2-2028**	**9-30-2028**	0.0708	0.0680
		Highest	2.8450	2.7384

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	0.0125	4.7200e-003	0.4103	2.0000e-005		2.2700e-003	2.2700e-003		2.2700e-003	2.2700e-003	0.0000	0.6717	0.6717	6.5000e-004	0.0000	0.6879
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0125**	**4.7200e-003**	**0.4103**	**2.0000e-005**	**0.0000**	**2.2700e-003**	**2.2700e-003**	**0.0000**	**2.2700e-003**	**2.2700e-003**	**0.0000**	**0.6717**	**0.6717**	**6.5000e-004**	**0.0000**	**0.6879**

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0125	4.7200e-003	0.4103	2.0000e-005		2.2700e-003	2.2700e-003		2.2700e-003	2.2700e-003	0.0000	0.6717	0.6717	6.5000e-004	0.0000	0.6879
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0125**	**4.7200e-003**	**0.4103**	**2.0000e-005**	**0.0000**	**2.2700e-003**	**2.2700e-003**	**0.0000**	**2.2700e-003**	**2.2700e-003**	**0.0000**	**0.6717**	**0.6717**	**6.5000e-004**	**0.0000**	**0.6879**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	P.1 Utility Relocation Prep	Site Preparation	9/3/2024	12/9/2024	5	70	
2	P.1 Build A Grading and Manor Parking	Grading	9/3/2024	12/9/2024	5	70	
3	P.2 Build C Overall	Building Construction	11/12/2024	6/29/2026	5	425	

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4	P.2 Build C Excavation	Grading	11/12/2024	12/23/2024	5	30	
5	P.2 Build C Concrete Found	Building Construction	12/24/2024	6/16/2025	5	125	
6	P.2 Build C Building Frame	Building Construction	6/17/2025	9/29/2025	5	75	
7	P.2 Build C Building Exterior	Paving	9/30/2025	1/5/2026	5	70	
8	P.2 Build C Interiors	Architectural Coating	1/6/2026	6/29/2026	5	125	
9	P.3 Build D Overall	Building Construction	1/6/2026	4/26/2027	5	340	
10	P.3 Demo - Cottage	Demolition	1/6/2026	1/19/2026	5	10	
11	P.3 Build D Excavation	Grading	1/20/2026	3/2/2026	5	30	
12	P.3 Build D Concrete Found	Building Construction	3/3/2026	7/6/2026	5	90	
13	P.3 Build D Building Frame	Building Construction	7/7/2026	9/14/2026	5	50	
14	P.3 Build D Building Exterior	Paving	9/15/2026	11/23/2026	5	50	
15	P.3 Build D Interiors	Architectural Coating	11/24/2026	4/26/2027	5	110	
16	P.3 Meeting Hall Overall	Building Construction	1/6/2026	8/31/2026	5	170	
17	P.3 Meeting Hall Excavation	Grading	1/6/2026	2/2/2026	5	20	
18	P.3 Meeting Hall Concrete Found	Building Construction	2/3/2026	4/13/2026	5	50	
19	P.3 Meeting Hall Build Frame	Building Construction	4/14/2026	5/18/2026	5	25	
20	P.3 Meeting Hall Biuld Exterior	Paving	5/19/2026	7/6/2026	5	35	
21	P.3 Meeting Halll Interiors	Architectural Coating	7/7/2026	8/31/2026	5	40	
22	P.3 Cottage Excavation	Grading	1/6/2026	1/19/2026	5	10	
23	P.3 Cottage Concrete Found	Building Construction	1/20/2026	2/16/2026	5	20	
24	P.3 Cottage Build Frame	Building Construction	2/17/2026	3/23/2026	5	25	
25	P.3 Build Exterior	Paving	3/24/2026	4/27/2026	5	25	
26	P.3 Cottage Interiors	Architectural Coating	4/28/2026	6/22/2026	5	40	
27	P.3 Fitness Overall	Building Construction	1/6/2026	8/10/2026	5	155	
28	P.3 Fitness Concrete Foundation	Building Construction	1/6/2026	2/23/2026	5	35	
29	P.3 Fitness Build Frame	Building Construction	2/24/2026	4/27/2026	5	45	
30	P.3 Fitness Build Exterior	Paving	4/28/2026	6/15/2026	5	35	
31	P.3 Fitness Interiors	Architectural Coating	6/16/2026	8/10/2026	5	40	
32	P.4 Build A Overall	Building Construction	4/27/2027	9/11/2028	5	360	

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33	P.4 Build A Excavation	Grading	4/27/2027	5/24/2027	5	20	
34	P.4 Build A Concrete Found	Building Construction	5/25/2027	9/27/2027	5	90	
35	P.4 Build A Build Frame	Building Construction	9/28/2027	1/10/2028	5	75	
36	P.4 Build A Build Exterior	Paving	1/11/2028	4/10/2028	5	65	
37	P.4 Build A Interiors	Architectural Coating	4/11/2028	9/11/2028	5	110	

Acres of Grading (Site Preparation Phase): 7.5

Acres of Grading (Grading Phase): 8

Acres of Paving: 2.45

Residential Indoor: 204,655; Residential Outdoor: 68,218; Non-Residential Indoor: 8,786; Non-Residential Outdoor: 2,929; Striped Parking Area: 9,371 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
P.3 Meeting Hall Overall	Bore/Drill Rigs	1	1.88	100	0.50
P.3 Meeting Hall Overall	Cement and Mortar Mixers	1	1.65	9	0.56
P.3 Meeting Hall Overall	Rubber Tired Dozers	1	2.59	215	0.40
P.3 Meeting Hall Overall	Excavators	1	2.59	273	0.38
P.3 Meeting Hall Overall	Other Construction Equipment	1	0.24	157	0.42
P.3 Meeting Hall Overall	Pavers	1	0.10	74.8	0.42
P.3 Meeting Hall Overall	Paving Equipment	1	0.10	74	0.36
P.3 Meeting Hall Overall	Rollers	1	0.10	74	0.38
P.3 Meeting Hall Overall	Skid Steer Loaders	1	14.94	74.3	0.37
P.3 Meeting Hall Overall	Sweepers/Scrubbers	1	0.94	99	0.46
P.3 Fitness Overall	Aerial Lifts	1	23.74	63	0.31
P.3 Fitness Overall	Air Compressors	1	0.10	49	0.48
P.3 Fitness Overall	Cement and Mortar Mixers	1	3.61	9	0.56
P.3 Fitness Overall	Rubber Tired Dozers	1	0.52	215	0.40
P.3 Fitness Overall	Excavators	1	0.52	273	0.38

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P.3 Fitness Overall	Other Construction Equipment	1	0.26	157	0.42
P.3 Fitness Overall	Pavers	1	0.10	74.8	0.42
P.3 Fitness Overall	Paving Equipment	1	0.10	74	0.36
P.3 Fitness Overall	Rollers	1	0.10	74	0.38
P.3 Fitness Overall	Skid Steer Loaders	1	13.03	74.3	0.37
P.3 Fitness Overall	Sweepers/Scrubbers	1	1.03	99	0.46
P.4 Build A Overall	Aerial Lifts	1	10.22	63	0.31
P.4 Build A Overall	Air Compressors	1	0.10	49	0.48
P.4 Build A Overall	Bore/Drill Rigs	1	0.67	100	0.50
P.4 Build A Overall	Cement and Mortar Mixers	1	1.56	9	0.56
P.4 Build A Overall	Rubber Tired Dozers	1	1.11	215	0.40
P.4 Build A Overall	Excavators	1	1.11	273	0.38
P.4 Build A Overall	Other Construction Equipment	1	0.11	157	0.42
P.4 Build A Overall	Pavers	1	0.10	74.8	0.42
P.4 Build A Overall	Paving Equipment	1	0.10	74	0.36
P.4 Build A Overall	Rollers	1	0.10	74	0.38
P.4 Build A Overall	Skid Steer Loaders	1	5.61	74.3	0.37
P.4 Build A Overall	Sweepers/Scrubbers	1	0.44	99	0.46
P.3 Build D Interiors	Air Compressors	0	0.00	78	0.48
P.3 Meeting Halll Interiors	Air Compressors	0	0.00	78	0.48
P.3 Cottage Interiors	Air Compressors	1	6.00	78	0.48
P.2 Build C Overall	Cranes	1	0.28	408	0.29
P.3 Fitness Interiors	Air Compressors	0	0.00	78	0.48
P.1 Build A Grading and Manor Parking	Excavators	0	0.00	158	0.38
P.2 Build C Overall	Forklifts	1	9.44	110	0.20
P.2 Build C Overall	Generator Sets	1	4.33	40.2	0.74
P.1 Build A Grading and Manor Parking	Graders	0	0.00	187	0.41
P.4 Build A Interiors	Air Compressors	0	0.00	78	0.48
P.2 Build C Interiors	Air Compressors	0	0.00	78	0.48

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P.3 Build D Building Exterior	Cement and Mortar Mixers	0	0.00	9	0.56
P.3 Meeting Hall Biuld Exterior	Cement and Mortar Mixers	0	0.00	9	0.56
P.1 Build A Grading and Manor Parking	Rubber Tired Dozers	0	0.00	247	0.40
P.1 Utility Relocation Prep	Rubber Tired Dozers	0	0.00	247	0.40
P.2 Build C Overall	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.1 Build A Grading and Manor Parking	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.3 Build Exterior	Cement and Mortar Mixers	4	6.00	9	0.56
P.1 Utility Relocation Prep	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.2 Build C Overall	Welders	1	1.09	24.2	0.45
P.3 Fitness Build Exterior	Cement and Mortar Mixers	0	0.00	9	0.56
P.4 Build A Build Exterior	Cement and Mortar Mixers	0	0.00	9	0.56
P.2 Build C Building Exterior	Cement and Mortar Mixers	0	0.00	9	0.56
P.3 Demo - Cottage	Concrete/Industrial Saws	1	8.00	81	0.73
P.3 Build D Concrete Found	Cranes	0	0.00	231	0.29
P.3 Build D Building Frame	Cranes	0	0.00	231	0.29
P.3 Meeting Hall Overall	Cranes	1	0.71	408	0.29
P.3 Meeting Hall Concrete Found	Cranes	0	0.00	231	0.29
P.3 Meeting Hall Build Frame	Cranes	0	0.00	231	0.29
P.3 Cottage Concrete Found	Cranes	1	4.00	231	0.29
P.3 Cottage Build Frame	Cranes	1	4.00	231	0.29
P.3 Fitness Overall	Cranes	1	0.77	408	0.29
P.3 Fitness Concrete Foundation	Cranes	0	0.00	231	0.29
P.3 Fitness Build Frame	Cranes	0	0.00	231	0.29
P.4 Build A Overall	Cranes	1	0.33	408	0.29
P.4 Build A Concrete Found	Cranes	0	0.00	231	0.29
P.4 Build A Build Frame	Cranes	0	0.00	231	0.29
P.2 Build C Concrete Found	Cranes	0	0.00	231	0.29
P.2 Build C Building Frame	Cranes	0	0.00	231	0.29
P.3 Build D Overall	Cranes	1	0.35	408	0.29

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P.3 Demo - Cottage	Excavators	0	0.00	158	0.38
P.3 Build D Excavation	Excavators	0	0.00	158	0.38
P.3 Meeting Hall Excavation	Excavators	0	0.00	158	0.38
P.3 Cottage Excavation	Excavators	0	0.00	158	0.38
P.4 Build A Excavation	Excavators	0	0.00	158	0.38
P.2 Build C Excavation	Excavators	0	0.00	158	0.38
P.3 Build D Concrete Found	Forklifts	0	0.00	89	0.20
P.3 Build D Building Frame	Forklifts	0	0.00	89	0.20
P.3 Meeting Hall Overall	Forklifts	1	9.18	110	0.20
P.3 Meeting Hall Concrete Found	Forklifts	0	0.00	89	0.20
P.3 Meeting Hall Build Frame	Forklifts	0	0.00	89	0.20
P.3 Cottage Concrete Found	Forklifts	2	6.00	89	0.20
P.3 Cottage Build Frame	Forklifts	2	6.00	89	0.20
P.3 Fitness Overall	Forklifts	1	17.81	110	0.20
P.3 Fitness Concrete Foundation	Forklifts	0	0.00	89	0.20
P.3 Fitness Build Frame	Forklifts	0	0.00	89	0.20
P.4 Build A Overall	Forklifts	1	7.67	110	0.20
P.4 Build A Concrete Found	Forklifts	0	0.00	89	0.20
P.4 Build A Build Frame	Forklifts	0	0.00	89	0.20
P.2 Build C Concrete Found	Forklifts	0	0.00	89	0.20
P.2 Build C Building Frame	Forklifts	0	0.00	89	0.20
P.3 Build D Overall	Forklifts	1	10.41	110	0.20
P.3 Build D Concrete Found	Generator Sets	0	0.00	84	0.74
P.3 Build D Building Frame	Generator Sets	0	0.00	84	0.74
P.3 Meeting Hall Overall	Generator Sets	1	4.47	40.2	0.74
P.3 Meeting Hall Concrete Found	Generator Sets	0	0.00	84	0.74
P.3 Meeting Hall Build Frame	Generator Sets	0	0.00	84	0.74
P.3 Cottage Concrete Found	Generator Sets	0	0.00	84	0.74
P.3 Cottage Build Frame	Generator Sets	0	0.00	84	0.74

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P.3 Fitness Overall	Generator Sets	1	8.00	40.2	0.74
P.3 Fitness Concrete Foundation	Generator Sets	0	0.00	84	0.74
P.3 Fitness Build Frame	Generator Sets	0	0.00	84	0.74
P.4 Build A Overall	Generator Sets	1	3.44	40.2	0.74
P.4 Build A Concrete Found	Generator Sets	0	0.00	84	0.74
P.4 Build A Build Frame	Generator Sets	0	0.00	84	0.74
P.2 Build C Concrete Found	Generator Sets	0	0.00	84	0.74
P.2 Build C Building Frame	Generator Sets	0	0.00	84	0.74
P.3 Build D Overall	Generator Sets	1	5.06	40.2	0.74
P.3 Build D Excavation	Graders	0	0.00	187	0.41
P.3 Meeting Hall Excavation	Graders	0	0.00	187	0.41
P.3 Cottage Excavation	Graders	1	6.00	187	0.41
P.4 Build A Excavation	Graders	0	0.00	187	0.41
P.2 Build C Excavation	Graders	0	0.00	187	0.41
P.3 Build D Building Exterior	Pavers	0	0.00	130	0.42
P.3 Meeting Hall Biuld Exterior	Pavers	0	0.00	130	0.42
P.3 Build Exterior	Pavers	1	7.00	130	0.42
P.3 Fitness Build Exterior	Pavers	0	0.00	130	0.42
P.4 Build A Build Exterior	Pavers	0	0.00	130	0.42
P.2 Build C Building Exterior	Pavers	0	0.00	130	0.42
P.3 Build D Building Exterior	Paving Equipment	0	0.00	132	0.36
P.3 Meeting Hall Biuld Exterior	Paving Equipment	0	0.00	132	0.36
P.3 Build Exterior	Paving Equipment	0	0.00	132	0.36
P.3 Fitness Build Exterior	Paving Equipment	0	0.00	132	0.36
P.4 Build A Build Exterior	Paving Equipment	0	0.00	132	0.36
P.2 Build C Building Exterior	Paving Equipment	0	0.00	132	0.36
P.3 Build D Building Exterior	Rollers	0	0.00	80	0.38
P.3 Meeting Hall Biuld Exterior	Rollers	0	0.00	80	0.38
P.3 Build Exterior	Rollers	1	7.00	80	0.38

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P.3 Fitness Build Exterior	Rollers	0	0.00	80	0.38
P.4 Build A Build Exterior	Rollers	0	0.00	80	0.38
P.2 Build C Building Exterior	Rollers	0	0.00	80	0.38
P.3 Demo - Cottage	Rubber Tired Dozers	1	1.00	247	0.40
P.3 Build D Excavation	Rubber Tired Dozers	0	0.00	247	0.40
P.3 Meeting Hall Excavation	Rubber Tired Dozers	0	0.00	247	0.40
P.3 Cottage Excavation	Rubber Tired Dozers	1	6.00	247	0.40
P.4 Build A Excavation	Rubber Tired Dozers	0	0.00	247	0.40
P.2 Build C Excavation	Rubber Tired Dozers	0	0.00	247	0.40
P.3 Build D Concrete Found	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.3 Build D Building Frame	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.3 Meeting Hall Overall	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.3 Meeting Hall Concrete Found	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.3 Meeting Hall Build Frame	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.3 Cottage Concrete Found	Tractors/Loaders/Backhoes	2	8.00	97	0.37
P.3 Cottage Build Frame	Tractors/Loaders/Backhoes	2	8.00	97	0.37
P.3 Fitness Overall	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.3 Fitness Concrete Foundation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.3 Fitness Build Frame	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.4 Build A Overall	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.4 Build A Concrete Found	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.4 Build A Build Frame	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.2 Build C Concrete Found	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.2 Build C Building Frame	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.3 Build D Overall	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.3 Build D Excavation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.3 Meeting Hall Excavation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.3 Cottage Excavation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
P.4 Build A Excavation	Tractors/Loaders/Backhoes	0	0.00	97	0.37

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P.2 Build C Excavation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.3 Build D Building Exterior	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.3 Meeting Hall Biuld Exterior	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.3 Build Exterior	Tractors/Loaders/Backhoes	1	7.00	97	0.37
P.3 Fitness Build Exterior	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.4 Build A Build Exterior	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.2 Build C Building Exterior	Tractors/Loaders/Backhoes	0	0.00	97	0.37
P.3 Build D Concrete Found	Welders	0	0.00	46	0.45
P.3 Build D Building Frame	Welders	0	0.00	46	0.45
P.3 Meeting Hall Overall	Welders	1	1.85	24.2	0.45
P.3 Meeting Hall Concrete Found	Welders	0	0.00	46	0.45
P.3 Meeting Hall Build Frame	Welders	0	0.00	46	0.45
P.3 Cottage Concrete Found	Welders	0	0.00	46	0.45
P.3 Cottage Build Frame	Welders	0	0.00	46	0.45
P.3 Fitness Overall	Welders	1	3.00	24.2	0.45
P.3 Fitness Concrete Foundation	Welders	0	0.00	46	0.45
P.3 Fitness Build Frame	Welders	0	0.00	46	0.45
P.4 Build A Overall	Welders	1	1.29	24.2	0.45
P.4 Build A Concrete Found	Welders	0	0.00	46	0.45
P.4 Build A Build Frame	Welders	0	0.00	46	0.45
P.2 Build C Concrete Found	Welders	0	0.00	46	0.45
P.2 Build C Building Frame	Welders	0	0.00	46	0.45
P.3 Build D Overall	Welders	1	1.15	24.2	0.45
P.1 Utility Relocation Prep	Cement and Mortar Mixers	1	0.57	9	0.56
P.1 Utility Relocation Prep	Excavators	1	7.43	273	0.38
P.1 Utility Relocation Prep	Generator Sets	1	7.43	40.2	0.74
P.1 Utility Relocation Prep	Graders	1	0.57	187	0.41
P.1 Utility Relocation Prep	Other Construction Equipment	1	2.40	157	0.42
P.1 Utility Relocation Prep	Pavers	1	0.34	74.8	0.42

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

P.1 Utility Relocation Prep	Paving Equipment	1	0.34	74	0.36
P.1 Utility Relocation Prep	Plate Compactors	1	0.34	9	0.43
P.1 Utility Relocation Prep	Skid Steer Loaders	1	7.43	74.3	0.37
P.2 Build C Overall	Aerial Lifts	1	10.16	63	0.31
P.2 Build C Overall	Air Compressors	1	0.10	49	0.48
P.2 Build C Overall	Bore/Drill Rigs	1	0.56	100	0.50
P.2 Build C Overall	Cement and Mortar Mixers	1	1.32	9	0.56
P.2 Build C Overall	Rubber Tired Dozers	1	1.41	215	0.40
P.2 Build C Overall	Excavators	1	1.41	273	0.38
P.2 Build C Overall	Other Construction Equipment	1	0.10	157	0.42
P.2 Build C Overall	Pavers	1	0.10	74.8	0.42
P.2 Build C Overall	Paving Equipment	1	0.10	74	0.36
P.2 Build C Overall	Rollers	1	0.10	74	0.38
P.2 Build C Overall	Skid Steer Loaders	1	4.89	74.3	0.37
P.2 Build C Overall	Sweepers/Scrubbers	1	0.56	99	0.46
P.3 Build D Overall	Aerial Lifts	1	11.06	63	0.31
P.3 Build D Overall	Air Compressors	1	0.10	49	0.48
P.3 Build D Overall	Bore/Drill Rigs	1	0.94	100	0.50
P.3 Build D Overall	Cement and Mortar Mixers	1	1.18	9	0.56
P.3 Build D Overall	Rubber Tired Dozers	1	1.76	215	0.40
P.3 Build D Overall	Excavators	1	1.76	273	0.38
P.3 Build D Overall	Other Construction Equipment	1	0.12	157	0.42
P.3 Build D Overall	Pavers	1	0.10	74.8	0.42
P.3 Build D Overall	Paving Equipment	1	0.10	74	0.36
P.3 Build D Overall	Rollers	1	0.10	74	0.38
P.3 Build D Overall	Skid Steer Loaders	1	7.29	74.3	0.37
P.3 Build D Overall	Sweepers/Scrubbers	1	0.71	99	0.46
P.3 Demo - Cottage	Tractors/Loaders/Backhoes	2	6.00	97	0.37
P.3 Meeting Hall Overall	Aerial Lifts	1	10.35	63	0.31

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

P.3 Meeting Hall Overall	Air Compressors	1	0.10	49	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
P.2 Build C Excavation	0	51.00	2.00	1,328.00	10.80	7.30	10.20	LD_Mix	HDT_Mix	HHDT
P.1 Utility Relocation Prep	9	34.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.1 Build A Grading and Manor Parking	0	0.00	0.00	438.00	10.80	7.30	10.20	LD_Mix	HDT_Mix	HHDT
P.2 Build C Overall	16	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.2 Build C Concrete Found	0	67.00	7.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.2 Build C Building Frame	0	52.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.2 Build C Building Exterior	0	43.00	3.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.2 Build C Interiors	0	113.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.3 Build D Overall	16	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.3 Demo - Cottage	4	10.00	0.00	51.00	10.80	7.30	10.20	LD_Mix	HDT_Mix	HHDT
P.3 Build D Excavation	0	34.00	1.00	1,084.00	10.80	7.30	10.20	LD_Mix	HDT_Mix	HHDT
P.3 Build D Concrete Found	0	48.00	8.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.3 Build D Building Frame	0	52.00	6.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.3 Build D Building Exterior	0	40.00	5.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.3 Build D Interiors	0	100.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.3 Meeting Hall Overall	16	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.3 Meeting Hall Excavation	0	34.00	2.00	230.00	10.80	7.30	10.20	LD_Mix	HDT_Mix	HHDT
P.3 Meeting Hall Concrete Found	0	27.00	11.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.3 Meeting Hall Build Frame	0	17.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.3 Meeting Hall Biuld Exterior	0	22.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.3 Meeting Halll Interiors	0	37.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.3 Cottage Excavation	3	5.00	2.00	45.00	10.80	7.30	10.20	LD_Mix	HDT_Mix	HHDT
P.3 Cottage Concrete Found	5	8.00	2.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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

P.3 Cottage Build Frame	5	6.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.3 Build Exterior	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.3 Cottage Interiors	1	6.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.3 Fitness Overall	15	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.3 Fitness Concrete Foundation	0	48.00	3.00	8.00	10.80	7.30	10.20	LD_Mix	HDT_Mix	HHDT
P.3 Fitness Build Frame	0	52.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.3 Fitness Build Exterior	0	40.00	3.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.3 Fitness Interiors	0	49.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.4 Build A Overall	16	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.4 Build A Excavation	0	34.00	1.00	592.00	10.80	7.30	10.20	LD_Mix	HDT_Mix	HHDT
P.4 Build A Concrete Found	0	48.00	8.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.4 Build A Build Frame	0	52.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.4 Build A Build Exterior	0	40.00	3.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
P.4 Build A Interiors	0	100.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Water Exposed Area

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

3.2 P.1 Utility Relocation Prep - 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					3.9800e-003	0.0000	3.9800e-003	4.3000e-004	0.0000	4.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1875	0.2268	5.7000e-004		6.7300e-003	6.7300e-003		6.3400e-003	6.3400e-003	0.0000	48.3208	48.3208	0.0134	0.0000	48.6560
Total	**0.0223**	**0.1875**	**0.2268**	**5.7000e-004**	**3.9800e-003**	**6.7300e-003**	**0.0107**	**4.3000e-004**	**6.3400e-003**	**6.7700e-003**	**0.0000**	**48.3208**	**48.3208**	**0.0134**	**0.0000**	**48.6560**

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	2.7900e-003	1.8500e-003	0.0249	8.0000e-005	9.4400e-003	4.0000e-005	9.4800e-003	2.5100e-003	4.0000e-005	2.5500e-003	0.0000	7.0986	7.0986	1.9000e-004	1.9000e-004	7.1590
Total	**2.7900e-003**	**1.8500e-003**	**0.0249**	**8.0000e-005**	**9.4400e-003**	**4.0000e-005**	**9.4800e-003**	**2.5100e-003**	**4.0000e-005**	**2.5500e-003**	**0.0000**	**7.0986**	**7.0986**	**1.9000e-004**	**1.9000e-004**	**7.1590**

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

3.2 P.1 Utility Relocation Prep - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.7900e-003	0.0000	1.7900e-003	1.9000e-004	0.0000	1.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0221	0.1866	0.2260	5.7000e-004		6.7000e-003	6.7000e-003		6.3100e-003	6.3100e-003	0.0000	48.2065	48.2065	0.0134	0.0000	48.5414
Total	**0.0221**	**0.1866**	**0.2260**	**5.7000e-004**	**1.7900e-003**	**6.7000e-003**	**8.4900e-003**	**1.9000e-004**	**6.3100e-003**	**6.5000e-003**	**0.0000**	**48.2065**	**48.2065**	**0.0134**	**0.0000**	**48.5414**

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	2.7900e-003	1.8500e-003	0.0249	8.0000e-005	9.4400e-003	4.0000e-005	9.4800e-003	2.5100e-003	4.0000e-005	2.5500e-003	0.0000	7.0986	7.0986	1.9000e-004	1.9000e-004	7.1590
Total	**2.7900e-003**	**1.8500e-003**	**0.0249**	**8.0000e-005**	**9.4400e-003**	**4.0000e-005**	**9.4800e-003**	**2.5100e-003**	**4.0000e-005**	**2.5500e-003**	**0.0000**	**7.0986**	**7.0986**	**1.9000e-004**	**1.9000e-004**	**7.1590**

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

3.3 P.1 Build A Grading and Manor Parking - 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					4.4400e-003	0.0000	4.4400e-003	4.9000e-004	0.0000	4.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**4.4400e-003**	**0.0000**	**4.4400e-003**	**4.9000e-004**	**0.0000**	**4.9000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	3.3000e-004	0.0171	5.0600e-003	7.0000e-005	1.9000e-003	1.3000e-004	2.0200e-003	5.2000e-004	1.2000e-004	6.4000e-004	0.0000	6.8381	6.8381	2.3000e-004	1.0800e-003	7.1669
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.3000e-004**	**0.0171**	**5.0600e-003**	**7.0000e-005**	**1.9000e-003**	**1.3000e-004**	**2.0200e-003**	**5.2000e-004**	**1.2000e-004**	**6.4000e-004**	**0.0000**	**6.8381**	**6.8381**	**2.3000e-004**	**1.0800e-003**	**7.1669**

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

3.3 P.1 Build A Grading and Manor Parking - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.0000e-003	0.0000	2.0000e-003	2.2000e-004	0.0000	2.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**2.0000e-003**	**0.0000**	**2.0000e-003**	**2.2000e-004**	**0.0000**	**2.2000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	3.3000e-004	0.0171	5.0600e-003	7.0000e-005	1.9000e-003	1.3000e-004	2.0200e-003	5.2000e-004	1.2000e-004	6.4000e-004	0.0000	6.8381	6.8381	2.3000e-004	1.0800e-003	7.1669
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.3000e-004**	**0.0171**	**5.0600e-003**	**7.0000e-005**	**1.9000e-003**	**1.3000e-004**	**2.0200e-003**	**5.2000e-004**	**1.2000e-004**	**6.4000e-004**	**0.0000**	**6.8381**	**6.8381**	**2.3000e-004**	**1.0800e-003**	**7.1669**

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

3.4 P.2 Build C Overall - 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	0.0106	0.1019	0.1203	2.2000e-004		4.1100e-003	4.1100e-003		3.8400e-003	3.8400e-003	0.0000	18.4443	18.4443	5.2200e-003	0.0000	18.5748
Total	**0.0106**	**0.1019**	**0.1203**	**2.2000e-004**		**4.1100e-003**	**4.1100e-003**		**3.8400e-003**	**3.8400e-003**	**0.0000**	**18.4443**	**18.4443**	**5.2200e-003**	**0.0000**	**18.5748**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.4 P.2 Build C Overall - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.6700e-003	0.0888	0.0946	1.8000e-004		3.8600e-003	3.8600e-003		3.6100e-003	3.6100e-003	0.0000	14.9553	14.9553	4.1200e-003	0.0000	15.0583
Total	**9.6700e-003**	**0.0888**	**0.0946**	**1.8000e-004**		**3.8600e-003**	**3.8600e-003**		**3.6100e-003**	**3.6100e-003**	**0.0000**	**14.9553**	**14.9553**	**4.1200e-003**	**0.0000**	**15.0583**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.4 P.2 Build C Overall - 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	0.0722	0.6966	0.8651	1.5700e-003		0.0263	0.0263		0.0246	0.0246	0.0000	133.7248	133.7248	0.0377	0.0000	134.6684
Total	**0.0722**	**0.6966**	**0.8651**	**1.5700e-003**		**0.0263**	**0.0263**		**0.0246**	**0.0246**	**0.0000**	**133.7248**	**133.7248**	**0.0377**	**0.0000**	**134.6684**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.4 P.2 Build C Overall - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0653	0.6029	0.6787	1.2800e-003		0.0246	0.0246		0.0229	0.0229	0.0000	108.4296	108.4296	0.0298	0.0000	109.1741
Total	**0.0653**	**0.6029**	**0.6787**	**1.2800e-003**		**0.0246**	**0.0246**		**0.0229**	**0.0229**	**0.0000**	**108.4296**	**108.4296**	**0.0298**	**0.0000**	**109.1741**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.4 P.2 Build C Overall - 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	0.0354	0.3416	0.4243	7.7000e-004		0.0129	0.0129		0.0121	0.0121	0.0000	65.5815	65.5815	0.0185	0.0000	66.0443
Total	**0.0354**	**0.3416**	**0.4243**	**7.7000e-004**		**0.0129**	**0.0129**		**0.0121**	**0.0121**	**0.0000**	**65.5815**	**65.5815**	**0.0185**	**0.0000**	**66.0443**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.4 P.2 Build C Overall - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0320	0.2957	0.3328	6.3000e-004		0.0121	0.0121		0.0113	0.0113	0.0000	53.1762	53.1762	0.0146	0.0000	53.5413
Total	**0.0320**	**0.2957**	**0.3328**	**6.3000e-004**		**0.0121**	**0.0121**		**0.0113**	**0.0113**	**0.0000**	**53.1762**	**53.1762**	**0.0146**	**0.0000**	**53.5413**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.5 P.2 Build C Excavation - 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					0.0163	0.0000	0.0163	1.7800e-003	0.0000	1.7800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0163**	**0.0000**	**0.0163**	**1.7800e-003**	**0.0000**	**1.7800e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	1.0100e-003	0.0518	0.0153	2.1000e-004	5.7500e-003	3.8000e-004	6.1300e-003	1.5800e-003	3.6000e-004	1.9500e-003	0.0000	20.7328	20.7328	7.0000e-004	3.2900e-003	21.7299
Vendor	3.0000e-005	1.3400e-003	4.1000e-004	1.0000e-005	2.0000e-004	1.0000e-005	2.1000e-004	6.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.5877	0.5877	1.0000e-005	9.0000e-005	0.6137
Worker	1.7900e-003	1.1900e-003	0.0160	5.0000e-005	6.0700e-003	3.0000e-005	6.1000e-003	1.6100e-003	3.0000e-005	1.6400e-003	0.0000	4.5634	4.5634	1.2000e-004	1.2000e-004	4.6022
Total	**2.8300e-003**	**0.0543**	**0.0318**	**2.7000e-004**	**0.0120**	**4.2000e-004**	**0.0124**	**3.2500e-003**	**4.0000e-004**	**3.6500e-003**	**0.0000**	**25.8839**	**25.8839**	**8.3000e-004**	**3.5000e-003**	**26.9458**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.5 P.2 Build C Excavation - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.3500e-003	0.0000	7.3500e-003	8.0000e-004	0.0000	8.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**7.3500e-003**	**0.0000**	**7.3500e-003**	**8.0000e-004**	**0.0000**	**8.0000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	1.0100e-003	0.0518	0.0153	2.1000e-004	5.7500e-003	3.8000e-004	6.1300e-003	1.5800e-003	3.6000e-004	1.9500e-003	0.0000	20.7328	20.7328	7.0000e-004	3.2900e-003	21.7299
Vendor	3.0000e-005	1.3400e-003	4.1000e-004	1.0000e-005	2.0000e-004	1.0000e-005	2.1000e-004	6.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.5877	0.5877	1.0000e-005	9.0000e-005	0.6137
Worker	1.7900e-003	1.1900e-003	0.0160	5.0000e-005	6.0700e-003	3.0000e-005	6.1000e-003	1.6100e-003	3.0000e-005	1.6400e-003	0.0000	4.5634	4.5634	1.2000e-004	1.2000e-004	4.6022
Total	**2.8300e-003**	**0.0543**	**0.0318**	**2.7000e-004**	**0.0120**	**4.2000e-004**	**0.0124**	**3.2500e-003**	**4.0000e-004**	**3.6500e-003**	**0.0000**	**25.8839**	**25.8839**	**8.3000e-004**	**3.5000e-003**	**26.9458**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.6 P.2 Build C Concrete Found - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	9.4000e-004	2.9000e-004	0.0000	1.4000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.4114	0.4114	1.0000e-005	6.0000e-005	0.4296
Worker	4.7000e-004	3.1000e-004	4.2100e-003	1.0000e-005	1.5900e-003	1.0000e-005	1.6000e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.1990	1.1990	3.0000e-005	3.0000e-005	1.2092
Total	**4.9000e-004**	**1.2500e-003**	**4.5000e-003**	**1.0000e-005**	**1.7300e-003**	**2.0000e-005**	**1.7400e-003**	**4.6000e-004**	**2.0000e-005**	**4.8000e-004**	**0.0000**	**1.6104**	**1.6104**	**4.0000e-005**	**9.0000e-005**	**1.6388**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.6 P.2 Build C Concrete Found - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	9.4000e-004	2.9000e-004	0.0000	1.4000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	5.0000e-005	0.0000	0.4114	0.4114	1.0000e-005	6.0000e-005	0.4296
Worker	4.7000e-004	3.1000e-004	4.2100e-003	1.0000e-005	1.5900e-003	1.0000e-005	1.6000e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.1990	1.1990	3.0000e-005	3.0000e-005	1.2092
Total	**4.9000e-004**	**1.2500e-003**	**4.5000e-003**	**1.0000e-005**	**1.7300e-003**	**2.0000e-005**	**1.7400e-003**	**4.6000e-004**	**2.0000e-005**	**4.8000e-004**	**0.0000**	**1.6104**	**1.6104**	**4.0000e-005**	**9.0000e-005**	**1.6388**

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

3.6 P.2 Build C Concrete Found - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	4.3000e-004	0.0185	5.6400e-003	8.0000e-005	2.7400e-003	1.1000e-004	2.8500e-003	7.9000e-004	1.1000e-004	9.0000e-004	0.0000	8.0212	8.0212	1.7000e-004	1.1700e-003	8.3753
Worker	8.8100e-003	5.6000e-003	0.0784	2.5000e-004	0.0316	1.4000e-004	0.0318	8.4100e-003	1.3000e-004	8.5400e-003	0.0000	23.2219	23.2219	5.7000e-004	5.9000e-004	23.4111
Total	**9.2400e-003**	**0.0241**	**0.0840**	**3.3000e-004**	**0.0344**	**2.5000e-004**	**0.0346**	**9.2000e-003**	**2.4000e-004**	**9.4400e-003**	**0.0000**	**31.2431**	**31.2431**	**7.4000e-004**	**1.7600e-003**	**31.7863**

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

3.6 P.2 Build C Concrete Found - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	4.3000e-004	0.0185	5.6400e-003	8.0000e-005	2.7400e-003	1.1000e-004	2.8500e-003	7.9000e-004	1.1000e-004	9.0000e-004	0.0000	8.0212	8.0212	1.7000e-004	1.1700e-003	8.3753
Worker	8.8100e-003	5.6000e-003	0.0784	2.5000e-004	0.0316	1.4000e-004	0.0318	8.4100e-003	1.3000e-004	8.5400e-003	0.0000	23.2219	23.2219	5.7000e-004	5.9000e-004	23.4111
Total	**9.2400e-003**	**0.0241**	**0.0840**	**3.3000e-004**	**0.0344**	**2.5000e-004**	**0.0346**	**9.2000e-003**	**2.4000e-004**	**9.4400e-003**	**0.0000**	**31.2431**	**31.2431**	**7.4000e-004**	**1.7600e-003**	**31.7863**

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

3.7 P.2 Build C Building Frame - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	1.6000e-004	6.6600e-003	2.0300e-003	3.0000e-005	9.9000e-004	4.0000e-005	1.0300e-003	2.9000e-004	4.0000e-005	3.2000e-004	0.0000	2.8888	2.8888	6.0000e-005	4.2000e-004	3.0163
Worker	4.3100e-003	2.7400e-003	0.0383	1.2000e-004	0.0155	7.0000e-005	0.0155	4.1100e-003	6.0000e-005	4.1800e-003	0.0000	11.3590	11.3590	2.8000e-004	2.9000e-004	11.4516
Total	**4.4700e-003**	**9.4000e-003**	**0.0404**	**1.5000e-004**	**0.0165**	**1.1000e-004**	**0.0166**	**4.4000e-003**	**1.0000e-004**	**4.5000e-003**	**0.0000**	**14.2478**	**14.2478**	**3.4000e-004**	**7.1000e-004**	**14.4679**

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

3.7 P.2 Build C Building Frame - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	1.6000e-004	6.6600e-003	2.0300e-003	3.0000e-005	9.9000e-004	4.0000e-005	1.0300e-003	2.9000e-004	4.0000e-005	3.2000e-004	0.0000	2.8888	2.8888	6.0000e-005	4.2000e-004	3.0163
Worker	4.3100e-003	2.7400e-003	0.0383	1.2000e-004	0.0155	7.0000e-005	0.0155	4.1100e-003	6.0000e-005	4.1800e-003	0.0000	11.3590	11.3590	2.8000e-004	2.9000e-004	11.4516
Total	**4.4700e-003**	**9.4000e-003**	**0.0404**	**1.5000e-004**	**0.0165**	**1.1000e-004**	**0.0166**	**4.4000e-003**	**1.0000e-004**	**4.5000e-003**	**0.0000**	**14.2478**	**14.2478**	**3.4000e-004**	**7.1000e-004**	**14.4679**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.8 P.2 Build C Building Exterior - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	7.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.3000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	1.0000e-004	4.4600e-003	1.3600e-003	2.0000e-005	6.6000e-004	3.0000e-005	6.9000e-004	1.9000e-004	3.0000e-005	2.2000e-004	0.0000	1.9355	1.9355	4.0000e-005	2.8000e-004	2.0209
Worker	3.1800e-003	2.0200e-003	0.0283	9.0000e-005	0.0114	5.0000e-005	0.0115	3.0400e-003	5.0000e-005	3.0900e-003	0.0000	8.3911	8.3911	2.1000e-004	2.1000e-004	8.4595
Total	**3.2800e-003**	**6.4800e-003**	**0.0297**	**1.1000e-004**	**0.0121**	**8.0000e-005**	**0.0122**	**3.2300e-003**	**8.0000e-005**	**3.3100e-003**	**0.0000**	**10.3266**	**10.3266**	**2.5000e-004**	**4.9000e-004**	**10.4804**

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

3.8 P.2 Build C Building Exterior - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	7.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.3000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0000e-004	4.4600e-003	1.3600e-003	2.0000e-005	6.6000e-004	3.0000e-005	6.9000e-004	1.9000e-004	3.0000e-005	2.2000e-004	0.0000	1.9355	1.9355	4.0000e-005	2.8000e-004	2.0209
Worker	3.1800e-003	2.0200e-003	0.0283	9.0000e-005	0.0114	5.0000e-005	0.0115	3.0400e-003	5.0000e-005	3.0900e-003	0.0000	8.3911	8.3911	2.1000e-004	2.1000e-004	8.4595
Total	**3.2800e-003**	**6.4800e-003**	**0.0297**	**1.1000e-004**	**0.0121**	**8.0000e-005**	**0.0122**	**3.2300e-003**	**8.0000e-005**	**3.3100e-003**	**0.0000**	**10.3266**	**10.3266**	**2.5000e-004**	**4.9000e-004**	**10.4804**

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

3.8 P.2 Build C Building Exterior - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	3.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.0000e-005**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	2.0000e-004	6.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0851	0.0851	0.0000	1.0000e-005	0.0889
Worker	1.4000e-004	8.0000e-005	1.2000e-003	0.0000	5.1000e-004	0.0000	5.1000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3673	0.3673	1.0000e-005	1.0000e-005	0.3702
Total	**1.4000e-004**	**2.8000e-004**	**1.2600e-003**	**0.0000**	**5.4000e-004**	**0.0000**	**5.4000e-004**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**0.4525**	**0.4525**	**1.0000e-005**	**2.0000e-005**	**0.4591**

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

3.8 P.2 Build C Building Exterior - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	3.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.0000e-005**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.0000e-004	6.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0851	0.0851	0.0000	1.0000e-005	0.0889
Worker	1.4000e-004	8.0000e-005	1.2000e-003	0.0000	5.1000e-004	0.0000	5.1000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3673	0.3673	1.0000e-005	1.0000e-005	0.3702
Total	**1.4000e-004**	**2.8000e-004**	**1.2600e-003**	**0.0000**	**5.4000e-004**	**0.0000**	**5.4000e-004**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**0.4525**	**0.4525**	**1.0000e-005**	**2.0000e-005**	**0.4591**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.9 P.2 Build C Interiors - 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	0.7746					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.7746**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.6000e-004	0.0110	3.3400e-003	5.0000e-005	1.6500e-003	7.0000e-005	1.7100e-003	4.8000e-004	6.0000e-005	5.4000e-004	0.0000	4.7296	4.7296	1.0000e-004	6.9000e-004	4.9379
Worker	0.0148	9.0500e-003	0.1314	4.2000e-004	0.0560	2.4000e-004	0.0563	0.0149	2.2000e-004	0.0151	0.0000	40.2207	40.2207	9.3000e-004	9.8000e-004	40.5369
Total	**0.0150**	**0.0201**	**0.1347**	**4.7000e-004**	**0.0577**	**3.1000e-004**	**0.0580**	**0.0154**	**2.8000e-004**	**0.0157**	**0.0000**	**44.9503**	**44.9503**	**1.0300e-003**	**1.6700e-003**	**45.4748**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.9 P.2 Build C Interiors - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7746					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.7746**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.6000e-004	0.0110	3.3400e-003	5.0000e-005	1.6500e-003	7.0000e-005	1.7100e-003	4.8000e-004	6.0000e-005	5.4000e-004	0.0000	4.7296	4.7296	1.0000e-004	6.9000e-004	4.9379
Worker	0.0148	9.0500e-003	0.1314	4.2000e-004	0.0560	2.4000e-004	0.0563	0.0149	2.2000e-004	0.0151	0.0000	40.2207	40.2207	9.3000e-004	9.8000e-004	40.5369
Total	**0.0150**	**0.0201**	**0.1347**	**4.7000e-004**	**0.0577**	**3.1000e-004**	**0.0580**	**0.0154**	**2.8000e-004**	**0.0157**	**0.0000**	**44.9503**	**44.9503**	**1.0300e-003**	**1.6700e-003**	**45.4748**

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

3.10 P.3 Build D Overall - 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	0.0852	0.8297	1.0316	1.8800e-003		0.0312	0.0312		0.0291	0.0291	0.0000	160.3818	160.3818	0.0456	0.0000	161.5224
Total	**0.0852**	**0.8297**	**1.0316**	**1.8800e-003**		**0.0312**	**0.0312**		**0.0291**	**0.0291**	**0.0000**	**160.3818**	**160.3818**	**0.0456**	**0.0000**	**161.5224**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.10 P.3 Build D Overall - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0780	0.7305	0.8323	1.5700e-003		0.0294	0.0294		0.0274	0.0274	0.0000	133.3522	133.3522	0.0371	0.0000	134.2791
Total	**0.0780**	**0.7305**	**0.8323**	**1.5700e-003**		**0.0294**	**0.0294**		**0.0274**	**0.0274**	**0.0000**	**133.3522**	**133.3522**	**0.0371**	**0.0000**	**134.2791**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.10 P.3 Build D Overall - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0271	0.2637	0.3279	6.0000e-004		9.9300e-003	9.9300e-003		9.2600e-003	9.2600e-003	0.0000	50.9741	50.9741	0.0145	0.0000	51.3366
Total	**0.0271**	**0.2637**	**0.3279**	**6.0000e-004**		**9.9300e-003**	**9.9300e-003**		**9.2600e-003**	**9.2600e-003**	**0.0000**	**50.9741**	**50.9741**	**0.0145**	**0.0000**	**51.3366**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.10 P.3 Build D Overall - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0248	0.2322	0.2645	5.0000e-004		9.3400e-003	9.3400e-003		8.7100e-003	8.7100e-003	0.0000	42.3833	42.3833	0.0118	0.0000	42.6778
Total	**0.0248**	**0.2322**	**0.2645**	**5.0000e-004**		**9.3400e-003**	**9.3400e-003**		**8.7100e-003**	**8.7100e-003**	**0.0000**	**42.3833**	**42.3833**	**0.0118**	**0.0000**	**42.6778**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

3.11 P.3 Demo - Cottage - 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					
Fugitive Dust					2.1900e-003	0.0000	2.1900e-003	3.3000e-004	0.0000	3.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8700e-003	0.0255	0.0368	6.0000e-005		1.0500e-003	1.0500e-003		1.0000e-003	1.0000e-003	0.0000	5.2040	5.2040	9.3000e-004	0.0000	5.2273
Total	**2.8700e-003**	**0.0255**	**0.0368**	**6.0000e-005**	**2.1900e-003**	**1.0500e-003**	**3.2400e-003**	**3.3000e-004**	**1.0000e-003**	**1.3300e-003**	**0.0000**	**5.2040**	**5.2040**	**9.3000e-004**	**0.0000**	**5.2273**

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	4.0000e-005	1.9600e-003	5.9000e-004	1.0000e-005	2.2000e-004	1.0000e-005	2.4000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.7650	0.7650	3.0000e-005	1.2000e-004	0.8018
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	6.0000e-005	9.3000e-004	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.2848	0.2848	1.0000e-005	1.0000e-005	0.2870
Total	**1.4000e-004**	**2.0200e-003**	**1.5200e-003**	**1.0000e-005**	**6.2000e-004**	**1.0000e-005**	**6.4000e-004**	**1.7000e-004**	**1.0000e-005**	**1.8000e-004**	**0.0000**	**1.0497**	**1.0497**	**4.0000e-005**	**1.3000e-004**	**1.0888**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.11 P.3 Demo - Cottage - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.9000e-004	0.0000	9.9000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8700e-003	0.0255	0.0368	6.0000e-005		1.0500e-003	1.0500e-003		1.0000e-003	1.0000e-003	0.0000	5.2040	5.2040	9.3000e-004	0.0000	5.2273
Total	**2.8700e-003**	**0.0255**	**0.0368**	**6.0000e-005**	**9.9000e-004**	**1.0500e-003**	**2.0400e-003**	**1.5000e-004**	**1.0000e-003**	**1.1500e-003**	**0.0000**	**5.2040**	**5.2040**	**9.3000e-004**	**0.0000**	**5.2273**

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	4.0000e-005	1.9600e-003	5.9000e-004	1.0000e-005	2.2000e-004	1.0000e-005	2.4000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.7650	0.7650	3.0000e-005	1.2000e-004	0.8018
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	6.0000e-005	9.3000e-004	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.2848	0.2848	1.0000e-005	1.0000e-005	0.2870
Total	**1.4000e-004**	**2.0200e-003**	**1.5200e-003**	**1.0000e-005**	**6.2000e-004**	**1.0000e-005**	**6.4000e-004**	**1.7000e-004**	**1.0000e-005**	**1.8000e-004**	**0.0000**	**1.0497**	**1.0497**	**4.0000e-005**	**1.3000e-004**	**1.0888**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.12 P.3 Build D Excavation - 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					
Fugitive Dust					0.0164	0.0000	0.0164	1.7900e-003	0.0000	1.7900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0164**	**0.0000**	**0.0164**	**1.7900e-003**	**0.0000**	**1.7900e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	8.2000e-004	0.0417	0.0126	1.6000e-004	4.7000e-003	3.1000e-004	5.0100e-003	1.2900e-003	2.9000e-004	1.5900e-003	0.0000	16.2595	16.2595	5.6000e-004	2.5800e-003	17.0419
Vendor	2.0000e-005	6.6000e-004	2.0000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.2838	0.2838	1.0000e-005	4.0000e-005	0.2963
Worker	1.0700e-003	6.5000e-004	9.4900e-003	3.0000e-005	4.0400e-003	2.0000e-005	4.0600e-003	1.0800e-003	2.0000e-005	1.0900e-003	0.0000	2.9044	2.9044	7.0000e-005	7.0000e-005	2.9273
Total	**1.9100e-003**	**0.0430**	**0.0223**	**1.9000e-004**	**8.8400e-003**	**3.3000e-004**	**9.1700e-003**	**2.4000e-003**	**3.1000e-004**	**2.7100e-003**	**0.0000**	**19.4477**	**19.4477**	**6.4000e-004**	**2.6900e-003**	**20.2655**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.12 P.3 Build D Excavation - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.3800e-003	0.0000	7.3800e-003	8.1000e-004	0.0000	8.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**7.3800e-003**	**0.0000**	**7.3800e-003**	**8.1000e-004**	**0.0000**	**8.1000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	8.2000e-004	0.0417	0.0126	1.6000e-004	4.7000e-003	3.1000e-004	5.0100e-003	1.2900e-003	2.9000e-004	1.5900e-003	0.0000	16.2595	16.2595	5.6000e-004	2.5800e-003	17.0419
Vendor	2.0000e-005	6.6000e-004	2.0000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.2838	0.2838	1.0000e-005	4.0000e-005	0.2963
Worker	1.0700e-003	6.5000e-004	9.4900e-003	3.0000e-005	4.0400e-003	2.0000e-005	4.0600e-003	1.0800e-003	2.0000e-005	1.0900e-003	0.0000	2.9044	2.9044	7.0000e-005	7.0000e-005	2.9273
Total	**1.9100e-003**	**0.0430**	**0.0223**	**1.9000e-004**	**8.8400e-003**	**3.3000e-004**	**9.1700e-003**	**2.4000e-003**	**3.1000e-004**	**2.7100e-003**	**0.0000**	**19.4477**	**19.4477**	**6.4000e-004**	**2.6900e-003**	**20.2655**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.13 P.3 Build D Concrete Found - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	3.7000e-004	0.0159	4.8200e-003	7.0000e-005	2.3700e-003	9.0000e-005	2.4600e-003	6.9000e-004	9.0000e-005	7.8000e-004	0.0000	6.8106	6.8106	1.5000e-004	9.9000e-004	7.1106
Worker	4.5200e-003	2.7700e-003	0.0402	1.3000e-004	0.0171	7.0000e-005	0.0172	4.5600e-003	7.0000e-005	4.6200e-003	0.0000	12.3011	12.3011	2.8000e-004	3.0000e-004	12.3979
Total	**4.8900e-003**	**0.0186**	**0.0450**	**2.0000e-004**	**0.0195**	**1.6000e-004**	**0.0197**	**5.2500e-003**	**1.6000e-004**	**5.4000e-003**	**0.0000**	**19.1117**	**19.1117**	**4.3000e-004**	**1.2900e-003**	**19.5084**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.13 P.3 Build D Concrete Found - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	3.7000e-004	0.0159	4.8200e-003	7.0000e-005	2.3700e-003	9.0000e-005	2.4600e-003	6.9000e-004	9.0000e-005	7.8000e-004	0.0000	6.8106	6.8106	1.5000e-004	9.9000e-004	7.1106
Worker	4.5200e-003	2.7700e-003	0.0402	1.3000e-004	0.0171	7.0000e-005	0.0172	4.5600e-003	7.0000e-005	4.6200e-003	0.0000	12.3011	12.3011	2.8000e-004	3.0000e-004	12.3979
Total	**4.8900e-003**	**0.0186**	**0.0450**	**2.0000e-004**	**0.0195**	**1.6000e-004**	**0.0197**	**5.2500e-003**	**1.6000e-004**	**5.4000e-003**	**0.0000**	**19.1117**	**19.1117**	**4.3000e-004**	**1.2900e-003**	**19.5084**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.14 P.3 Build D Building Frame - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	1.5000e-004	6.6100e-003	2.0100e-003	3.0000e-005	9.9000e-004	4.0000e-005	1.0300e-003	2.9000e-004	4.0000e-005	3.2000e-004	0.0000	2.8377	2.8377	6.0000e-005	4.1000e-004	2.9627
Worker	2.7200e-003	1.6700e-003	0.0242	8.0000e-005	0.0103	4.0000e-005	0.0104	2.7400e-003	4.0000e-005	2.7800e-003	0.0000	7.4035	7.4035	1.7000e-004	1.8000e-004	7.4617
Total	**2.8700e-003**	**8.2800e-003**	**0.0262**	**1.1000e-004**	**0.0113**	**8.0000e-005**	**0.0114**	**3.0300e-003**	**8.0000e-005**	**3.1000e-003**	**0.0000**	**10.2412**	**10.2412**	**2.3000e-004**	**5.9000e-004**	**10.4244**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.14 P.3 Build D Building Frame - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	1.5000e-004	6.6100e-003	2.0100e-003	3.0000e-005	9.9000e-004	4.0000e-005	1.0300e-003	2.9000e-004	4.0000e-005	3.2000e-004	0.0000	2.8377	2.8377	6.0000e-005	4.1000e-004	2.9627
Worker	2.7200e-003	1.6700e-003	0.0242	8.0000e-005	0.0103	4.0000e-005	0.0104	2.7400e-003	4.0000e-005	2.7800e-003	0.0000	7.4035	7.4035	1.7000e-004	1.8000e-004	7.4617
Total	**2.8700e-003**	**8.2800e-003**	**0.0262**	**1.1000e-004**	**0.0113**	**8.0000e-005**	**0.0114**	**3.0300e-003**	**8.0000e-005**	**3.1000e-003**	**0.0000**	**10.2412**	**10.2412**	**2.3000e-004**	**5.9000e-004**	**10.4244**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.15 P.3 Build D Building Exterior - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	7.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.6000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	1.3000e-004	5.5100e-003	1.6700e-003	2.0000e-005	8.2000e-004	3.0000e-005	8.6000e-004	2.4000e-004	3.0000e-005	2.7000e-004	0.0000	2.3648	2.3648	5.0000e-005	3.5000e-004	2.4690
Worker	2.0900e-003	1.2800e-003	0.0186	6.0000e-005	7.9300e-003	3.0000e-005	7.9700e-003	2.1100e-003	3.0000e-005	2.1400e-003	0.0000	5.6950	5.6950	1.3000e-004	1.4000e-004	5.7397
Total	**2.2200e-003**	**6.7900e-003**	**0.0203**	**8.0000e-005**	**8.7500e-003**	**6.0000e-005**	**8.8300e-003**	**2.3500e-003**	**6.0000e-005**	**2.4100e-003**	**0.0000**	**8.0598**	**8.0598**	**1.8000e-004**	**4.9000e-004**	**8.2087**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.15 P.3 Build D Building Exterior - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	7.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.6000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.3000e-004	5.5100e-003	1.6700e-003	2.0000e-005	8.2000e-004	3.0000e-005	8.6000e-004	2.4000e-004	3.0000e-005	2.7000e-004	0.0000	2.3648	2.3648	5.0000e-005	3.5000e-004	2.4690
Worker	2.0900e-003	1.2800e-003	0.0186	6.0000e-005	7.9300e-003	3.0000e-005	7.9700e-003	2.1100e-003	3.0000e-005	2.1400e-003	0.0000	5.6950	5.6950	1.3000e-004	1.4000e-004	5.7397
Total	**2.2200e-003**	**6.7900e-003**	**0.0203**	**8.0000e-005**	**8.7500e-003**	**6.0000e-005**	**8.8300e-003**	**2.3500e-003**	**6.0000e-005**	**2.4100e-003**	**0.0000**	**8.0598**	**8.0598**	**1.8000e-004**	**4.9000e-004**	**8.2087**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.16 P.3 Build D Interiors - 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	0.1972					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1972**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	6.0000e-005	2.4700e-003	7.5000e-004	1.0000e-005	3.7000e-004	1.0000e-005	3.8000e-004	1.1000e-004	1.0000e-005	1.2000e-004	0.0000	1.0594	1.0594	2.0000e-005	1.5000e-004	1.1061
Worker	2.9300e-003	1.7900e-003	0.0260	8.0000e-005	0.0111	5.0000e-005	0.0112	2.9500e-003	4.0000e-005	3.0000e-003	0.0000	7.9730	7.9730	1.8000e-004	1.9000e-004	8.0356
Total	**2.9900e-003**	**4.2600e-003**	**0.0268**	**9.0000e-005**	**0.0115**	**6.0000e-005**	**0.0115**	**3.0600e-003**	**5.0000e-005**	**3.1200e-003**	**0.0000**	**9.0324**	**9.0324**	**2.0000e-004**	**3.4000e-004**	**9.1417**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.16 P.3 Build D Interiors - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1972					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1972**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	6.0000e-005	2.4700e-003	7.5000e-004	1.0000e-005	3.7000e-004	1.0000e-005	3.8000e-004	1.1000e-004	1.0000e-005	1.2000e-004	0.0000	1.0594	1.0594	2.0000e-005	1.5000e-004	1.1061
Worker	2.9300e-003	1.7900e-003	0.0260	8.0000e-005	0.0111	5.0000e-005	0.0112	2.9500e-003	4.0000e-005	3.0000e-003	0.0000	7.9730	7.9730	1.8000e-004	1.9000e-004	8.0356
Total	**2.9900e-003**	**4.2600e-003**	**0.0268**	**9.0000e-005**	**0.0115**	**6.0000e-005**	**0.0115**	**3.0600e-003**	**5.0000e-005**	**3.1200e-003**	**0.0000**	**9.0324**	**9.0324**	**2.0000e-004**	**3.4000e-004**	**9.1417**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.16 P.3 Build D Interiors - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5774					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.5774**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	1.6000e-004	7.1700e-003	2.1700e-003	3.0000e-005	1.0800e-003	4.0000e-005	1.1200e-003	3.1000e-004	4.0000e-005	3.5000e-004	0.0000	3.0416	3.0416	7.0000e-005	4.4000e-004	3.1754
Worker	8.1500e-003	4.8300e-003	0.0726	2.4000e-004	0.0325	1.3000e-004	0.0327	8.6500e-003	1.2000e-004	8.7700e-003	0.0000	22.8645	22.8645	5.0000e-004	5.4000e-004	23.0388
Total	**8.3100e-003**	**0.0120**	**0.0747**	**2.7000e-004**	**0.0336**	**1.7000e-004**	**0.0338**	**8.9600e-003**	**1.6000e-004**	**9.1200e-003**	**0.0000**	**25.9061**	**25.9061**	**5.7000e-004**	**9.8000e-004**	**26.2142**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.16 P.3 Build D Interiors - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5774					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.5774**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.6000e-004	7.1700e-003	2.1700e-003	3.0000e-005	1.0800e-003	4.0000e-005	1.1200e-003	3.1000e-004	4.0000e-005	3.5000e-004	0.0000	3.0416	3.0416	7.0000e-005	4.4000e-004	3.1754
Worker	8.1500e-003	4.8300e-003	0.0726	2.4000e-004	0.0325	1.3000e-004	0.0327	8.6500e-003	1.2000e-004	8.7700e-003	0.0000	22.8645	22.8645	5.0000e-004	5.4000e-004	23.0388
Total	**8.3100e-003**	**0.0120**	**0.0747**	**2.7000e-004**	**0.0336**	**1.7000e-004**	**0.0338**	**8.9600e-003**	**1.6000e-004**	**9.1200e-003**	**0.0000**	**25.9061**	**25.9061**	**5.7000e-004**	**9.8000e-004**	**26.2142**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.17 P.3 Meeting Hall Overall - 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	0.0706	0.7046	0.8676	1.6300e-003		0.0264	0.0264		0.0246	0.0246	0.0000	139.6162	139.6162	0.0413	0.0000	140.6478
Total	**0.0706**	**0.7046**	**0.8676**	**1.6300e-003**		**0.0264**	**0.0264**		**0.0246**	**0.0246**	**0.0000**	**139.6162**	**139.6162**	**0.0413**	**0.0000**	**140.6478**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.17 P.3 Meeting Hall Overall - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0659	0.6412	0.7429	1.4300e-003		0.0252	0.0252		0.0234	0.0234	0.0000	122.6835	122.6835	0.0360	0.0000	123.5826
Total	**0.0659**	**0.6412**	**0.7429**	**1.4300e-003**		**0.0252**	**0.0252**		**0.0234**	**0.0234**	**0.0000**	**122.6835**	**122.6835**	**0.0360**	**0.0000**	**123.5826**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.18 P.3 Meeting Hall Excavation - 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					
Fugitive Dust					0.0107	0.0000	0.0107	1.1500e-003	0.0000	1.1500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0107**	**0.0000**	**0.0107**	**1.1500e-003**	**0.0000**	**1.1500e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	1.7000e-004	8.8400e-003	2.6700e-003	3.0000e-005	1.0000e-003	7.0000e-005	1.0600e-003	2.7000e-004	6.0000e-005	3.4000e-004	0.0000	3.4499	3.4499	1.2000e-004	5.5000e-004	3.6159
Vendor	2.0000e-005	8.8000e-004	2.7000e-004	0.0000	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.3784	0.3784	1.0000e-005	6.0000e-005	0.3950
Worker	7.1000e-004	4.4000e-004	6.3200e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.9363	1.9363	4.0000e-005	5.0000e-005	1.9515
Total	**9.0000e-004**	**0.0102**	**9.2600e-003**	**5.0000e-005**	**3.8300e-003**	**9.0000e-005**	**3.9100e-003**	**1.0300e-003**	**8.0000e-005**	**1.1100e-003**	**0.0000**	**5.7646**	**5.7646**	**1.7000e-004**	**6.6000e-004**	**5.9625**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.18 P.3 Meeting Hall Excavation - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.8000e-003	0.0000	4.8000e-003	5.2000e-004	0.0000	5.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**4.8000e-003**	**0.0000**	**4.8000e-003**	**5.2000e-004**	**0.0000**	**5.2000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	1.7000e-004	8.8400e-003	2.6700e-003	3.0000e-005	1.0000e-003	7.0000e-005	1.0600e-003	2.7000e-004	6.0000e-005	3.4000e-004	0.0000	3.4499	3.4499	1.2000e-004	5.5000e-004	3.6159
Vendor	2.0000e-005	8.8000e-004	2.7000e-004	0.0000	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.3784	0.3784	1.0000e-005	6.0000e-005	0.3950
Worker	7.1000e-004	4.4000e-004	6.3200e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.9363	1.9363	4.0000e-005	5.0000e-005	1.9515
Total	**9.0000e-004**	**0.0102**	**9.2600e-003**	**5.0000e-005**	**3.8300e-003**	**9.0000e-005**	**3.9100e-003**	**1.0300e-003**	**8.0000e-005**	**1.1100e-003**	**0.0000**	**5.7646**	**5.7646**	**1.7000e-004**	**6.6000e-004**	**5.9625**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.19 P.3 Meeting Hall Concrete Found - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8000e-004	0.0121	3.6800e-003	5.0000e-005	1.8100e-003	7.0000e-005	1.8800e-003	5.2000e-004	7.0000e-005	5.9000e-004	0.0000	5.2025	5.2025	1.1000e-004	7.6000e-004	5.4317
Worker	1.4100e-003	8.7000e-004	0.0126	4.0000e-005	5.3500e-003	2.0000e-005	5.3800e-003	1.4200e-003	2.0000e-005	1.4500e-003	0.0000	3.8441	3.8441	9.0000e-005	9.0000e-005	3.8743
Total	**1.6900e-003**	**0.0130**	**0.0162**	**9.0000e-005**	**7.1600e-003**	**9.0000e-005**	**7.2600e-003**	**1.9400e-003**	**9.0000e-005**	**2.0400e-003**	**0.0000**	**9.0466**	**9.0466**	**2.0000e-004**	**8.5000e-004**	**9.3060**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.19 P.3 Meeting Hall Concrete Found - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8000e-004	0.0121	3.6800e-003	5.0000e-005	1.8100e-003	7.0000e-005	1.8800e-003	5.2000e-004	7.0000e-005	5.9000e-004	0.0000	5.2025	5.2025	1.1000e-004	7.6000e-004	5.4317
Worker	1.4100e-003	8.7000e-004	0.0126	4.0000e-005	5.3500e-003	2.0000e-005	5.3800e-003	1.4200e-003	2.0000e-005	1.4500e-003	0.0000	3.8441	3.8441	9.0000e-005	9.0000e-005	3.8743
Total	**1.6900e-003**	**0.0130**	**0.0162**	**9.0000e-005**	**7.1600e-003**	**9.0000e-005**	**7.2600e-003**	**1.9400e-003**	**9.0000e-005**	**2.0400e-003**	**0.0000**	**9.0466**	**9.0466**	**2.0000e-004**	**8.5000e-004**	**9.3060**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.20 P.3 Meeting Hall Build Frame - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	5.0000e-005	2.2000e-003	6.7000e-004	1.0000e-005	3.3000e-004	1.0000e-005	3.4000e-004	1.0000e-004	1.0000e-005	1.1000e-004	0.0000	0.9459	0.9459	2.0000e-005	1.4000e-004	0.9876
Worker	4.4000e-004	2.7000e-004	3.9500e-003	1.0000e-005	1.6900e-003	1.0000e-005	1.6900e-003	4.5000e-004	1.0000e-005	4.5000e-004	0.0000	1.2102	1.2102	3.0000e-005	3.0000e-005	1.2197
Total	**4.9000e-004**	**2.4700e-003**	**4.6200e-003**	**2.0000e-005**	**2.0200e-003**	**2.0000e-005**	**2.0300e-003**	**5.5000e-004**	**2.0000e-005**	**5.6000e-004**	**0.0000**	**2.1561**	**2.1561**	**5.0000e-005**	**1.7000e-004**	**2.2073**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.20 P.3 Meeting Hall Build Frame - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	5.0000e-005	2.2000e-003	6.7000e-004	1.0000e-005	3.3000e-004	1.0000e-005	3.4000e-004	1.0000e-004	1.0000e-005	1.1000e-004	0.0000	0.9459	0.9459	2.0000e-005	1.4000e-004	0.9876
Worker	4.4000e-004	2.7000e-004	3.9500e-003	1.0000e-005	1.6900e-003	1.0000e-005	1.6900e-003	4.5000e-004	1.0000e-005	4.5000e-004	0.0000	1.2102	1.2102	3.0000e-005	3.0000e-005	1.2197
Total	**4.9000e-004**	**2.4700e-003**	**4.6200e-003**	**2.0000e-005**	**2.0200e-003**	**2.0000e-005**	**2.0300e-003**	**5.5000e-004**	**2.0000e-005**	**5.6000e-004**	**0.0000**	**2.1561**	**2.1561**	**5.0000e-005**	**1.7000e-004**	**2.2073**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.21 P.3 Meeting Hall Biuld Exterior - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	7.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.6000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	7.0000e-005	3.0900e-003	9.4000e-004	1.0000e-005	4.6000e-004	2.0000e-005	4.8000e-004	1.3000e-004	2.0000e-005	1.5000e-004	0.0000	1.3243	1.3243	3.0000e-005	1.9000e-004	1.3826
Worker	8.1000e-004	4.9000e-004	7.1600e-003	2.0000e-005	3.0500e-003	1.0000e-005	3.0700e-003	8.1000e-004	1.0000e-005	8.2000e-004	0.0000	2.1926	2.1926	5.0000e-005	5.0000e-005	2.2098
Total	**8.8000e-004**	**3.5800e-003**	**8.1000e-003**	**3.0000e-005**	**3.5100e-003**	**3.0000e-005**	**3.5500e-003**	**9.4000e-004**	**3.0000e-005**	**9.7000e-004**	**0.0000**	**3.5168**	**3.5168**	**8.0000e-005**	**2.4000e-004**	**3.5924**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.21 P.3 Meeting Hall Biuld Exterior - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	7.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.6000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.0000e-005	3.0900e-003	9.4000e-004	1.0000e-005	4.6000e-004	2.0000e-005	4.8000e-004	1.3000e-004	2.0000e-005	1.5000e-004	0.0000	1.3243	1.3243	3.0000e-005	1.9000e-004	1.3826
Worker	8.1000e-004	4.9000e-004	7.1600e-003	2.0000e-005	3.0500e-003	1.0000e-005	3.0700e-003	8.1000e-004	1.0000e-005	8.2000e-004	0.0000	2.1926	2.1926	5.0000e-005	5.0000e-005	2.2098
Total	**8.8000e-004**	**3.5800e-003**	**8.1000e-003**	**3.0000e-005**	**3.5100e-003**	**3.0000e-005**	**3.5500e-003**	**9.4000e-004**	**3.0000e-005**	**9.7000e-004**	**0.0000**	**3.5168**	**3.5168**	**8.0000e-005**	**2.4000e-004**	**3.5924**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.22 P.3 Meeting Halll Interiors - 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	0.7746					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.7746**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-005	3.5300e-003	1.0700e-003	2.0000e-005	5.3000e-004	2.0000e-005	5.5000e-004	1.5000e-004	2.0000e-005	1.7000e-004	0.0000	1.5135	1.5135	3.0000e-005	2.2000e-004	1.5801
Worker	1.5500e-003	9.5000e-004	0.0138	4.0000e-005	5.8700e-003	3.0000e-005	5.8900e-003	1.5600e-003	2.0000e-005	1.5800e-003	0.0000	4.2143	4.2143	1.0000e-004	1.0000e-004	4.2474
Total	**1.6300e-003**	**4.4800e-003**	**0.0148**	**6.0000e-005**	**6.4000e-003**	**5.0000e-005**	**6.4400e-003**	**1.7100e-003**	**4.0000e-005**	**1.7500e-003**	**0.0000**	**5.7277**	**5.7277**	**1.3000e-004**	**3.2000e-004**	**5.8275**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.22 P.3 Meeting Halll Interiors - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7746					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.7746**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-005	3.5300e-003	1.0700e-003	2.0000e-005	5.3000e-004	2.0000e-005	5.5000e-004	1.5000e-004	2.0000e-005	1.7000e-004	0.0000	1.5135	1.5135	3.0000e-005	2.2000e-004	1.5801
Worker	1.5500e-003	9.5000e-004	0.0138	4.0000e-005	5.8700e-003	3.0000e-005	5.8900e-003	1.5600e-003	2.0000e-005	1.5800e-003	0.0000	4.2143	4.2143	1.0000e-004	1.0000e-004	4.2474
Total	**1.6300e-003**	**4.4800e-003**	**0.0148**	**6.0000e-005**	**6.4000e-003**	**5.0000e-005**	**6.4400e-003**	**1.7100e-003**	**4.0000e-005**	**1.7500e-003**	**0.0000**	**5.7277**	**5.7277**	**1.3000e-004**	**3.2000e-004**	**5.8275**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.23 P.3 Cottage Excavation - 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					
Fugitive Dust					0.0279	0.0000	0.0279	0.0130	0.0000	0.0130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.1700e-003	0.0437	0.0270	7.0000e-005		1.7400e-003	1.7400e-003		1.6000e-003	1.6000e-003	0.0000	6.1902	6.1902	2.0000e-003	0.0000	6.2402
Total	**4.1700e-003**	**0.0437**	**0.0270**	**7.0000e-005**	**0.0279**	**1.7400e-003**	**0.0297**	**0.0130**	**1.6000e-003**	**0.0146**	**0.0000**	**6.1902**	**6.1902**	**2.0000e-003**	**0.0000**	**6.2402**

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	3.0000e-005	1.7300e-003	5.2000e-004	1.0000e-005	2.0000e-004	1.0000e-005	2.1000e-004	5.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.6750	0.6750	2.0000e-005	1.1000e-004	0.7075
Vendor	1.0000e-005	4.4000e-004	1.3000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.1892	0.1892	0.0000	3.0000e-005	0.1975
Worker	5.0000e-005	3.0000e-005	4.7000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1424	0.1424	0.0000	0.0000	0.1435
Total	**9.0000e-005**	**2.2000e-003**	**1.1200e-003**	**1.0000e-005**	**4.7000e-004**	**1.0000e-005**	**4.8000e-004**	**1.2000e-004**	**1.0000e-005**	**1.4000e-004**	**0.0000**	**1.0065**	**1.0065**	**2.0000e-005**	**1.4000e-004**	**1.0485**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.23 P.3 Cottage Excavation - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0126	0.0000	0.0126	5.8500e-003	0.0000	5.8500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.1700e-003	0.0437	0.0270	7.0000e-005		1.7400e-003	1.7400e-003		1.6000e-003	1.6000e-003	0.0000	6.1902	6.1902	2.0000e-003	0.0000	6.2402
Total	**4.1700e-003**	**0.0437**	**0.0270**	**7.0000e-005**	**0.0126**	**1.7400e-003**	**0.0143**	**5.8500e-003**	**1.6000e-003**	**7.4500e-003**	**0.0000**	**6.1902**	**6.1902**	**2.0000e-003**	**0.0000**	**6.2402**

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	3.0000e-005	1.7300e-003	5.2000e-004	1.0000e-005	2.0000e-004	1.0000e-005	2.1000e-004	5.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.6750	0.6750	2.0000e-005	1.1000e-004	0.7075
Vendor	1.0000e-005	4.4000e-004	1.3000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.1892	0.1892	0.0000	3.0000e-005	0.1975
Worker	5.0000e-005	3.0000e-005	4.7000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1424	0.1424	0.0000	0.0000	0.1435
Total	**9.0000e-005**	**2.2000e-003**	**1.1200e-003**	**1.0000e-005**	**4.7000e-004**	**1.0000e-005**	**4.8000e-004**	**1.2000e-004**	**1.0000e-005**	**1.4000e-004**	**0.0000**	**1.0065**	**1.0065**	**2.0000e-005**	**1.4000e-004**	**1.0485**

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

3.24 P.3 Cottage Concrete Found - 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	5.5100e-003	0.0548	0.0703	1.1000e-004		2.4100e-003	2.4100e-003		2.2200e-003	2.2200e-003	0.0000	10.0296	10.0296	3.2400e-003	0.0000	10.1107
Total	**5.5100e-003**	**0.0548**	**0.0703**	**1.1000e-004**		**2.4100e-003**	**2.4100e-003**		**2.2200e-003**	**2.2200e-003**	**0.0000**	**10.0296**	**10.0296**	**3.2400e-003**	**0.0000**	**10.1107**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	8.8000e-004	2.7000e-004	0.0000	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.3784	0.3784	1.0000e-005	6.0000e-005	0.3950
Worker	1.7000e-004	1.0000e-004	1.4900e-003	0.0000	6.3000e-004	0.0000	6.4000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.4556	0.4556	1.0000e-005	1.0000e-005	0.4592
Total	**1.9000e-004**	**9.8000e-004**	**1.7600e-003**	**0.0000**	**7.6000e-004**	**1.0000e-005**	**7.8000e-004**	**2.1000e-004**	**1.0000e-005**	**2.1000e-004**	**0.0000**	**0.8340**	**0.8340**	**2.0000e-005**	**7.0000e-005**	**0.8542**

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

3.24 P.3 Cottage Concrete Found - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.5100e-003	0.0548	0.0703	1.1000e-004		2.4100e-003	2.4100e-003		2.2200e-003	2.2200e-003	0.0000	10.0296	10.0296	3.2400e-003	0.0000	10.1107
Total	**5.5100e-003**	**0.0548**	**0.0703**	**1.1000e-004**		**2.4100e-003**	**2.4100e-003**		**2.2200e-003**	**2.2200e-003**	**0.0000**	**10.0296**	**10.0296**	**3.2400e-003**	**0.0000**	**10.1107**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	8.8000e-004	2.7000e-004	0.0000	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.3784	0.3784	1.0000e-005	6.0000e-005	0.3950
Worker	1.7000e-004	1.0000e-004	1.4900e-003	0.0000	6.3000e-004	0.0000	6.4000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.4556	0.4556	1.0000e-005	1.0000e-005	0.4592
Total	**1.9000e-004**	**9.8000e-004**	**1.7600e-003**	**0.0000**	**7.6000e-004**	**1.0000e-005**	**7.8000e-004**	**2.1000e-004**	**1.0000e-005**	**2.1000e-004**	**0.0000**	**0.8340**	**0.8340**	**2.0000e-005**	**7.0000e-005**	**0.8542**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.25 P.3 Cottage Build Frame - 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	6.8900e-003	0.0685	0.0879	1.4000e-004		3.0200e-003	3.0200e-003		2.7700e-003	2.7700e-003	0.0000	12.5370	12.5370	4.0500e-003	0.0000	12.6383
Total	**6.8900e-003**	**0.0685**	**0.0879**	**1.4000e-004**		**3.0200e-003**	**3.0200e-003**		**2.7700e-003**	**2.7700e-003**	**0.0000**	**12.5370**	**12.5370**	**4.0500e-003**	**0.0000**	**12.6383**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6000e-004	1.0000e-004	1.4000e-003	0.0000	5.9000e-004	0.0000	6.0000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.4271	0.4271	1.0000e-005	1.0000e-005	0.4305
Total	**1.6000e-004**	**1.0000e-004**	**1.4000e-003**	**0.0000**	**5.9000e-004**	**0.0000**	**6.0000e-004**	**1.6000e-004**	**0.0000**	**1.6000e-004**	**0.0000**	**0.4271**	**0.4271**	**1.0000e-005**	**1.0000e-005**	**0.4305**

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

3.25 P.3 Cottage Build Frame - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.8900e-003	0.0685	0.0879	1.4000e-004		3.0200e-003	3.0200e-003		2.7700e-003	2.7700e-003	0.0000	12.5370	12.5370	4.0500e-003	0.0000	12.6383
Total	**6.8900e-003**	**0.0685**	**0.0879**	**1.4000e-004**		**3.0200e-003**	**3.0200e-003**		**2.7700e-003**	**2.7700e-003**	**0.0000**	**12.5370**	**12.5370**	**4.0500e-003**	**0.0000**	**12.6383**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6000e-004	1.0000e-004	1.4000e-003	0.0000	5.9000e-004	0.0000	6.0000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.4271	0.4271	1.0000e-005	1.0000e-005	0.4305
Total	**1.6000e-004**	**1.0000e-004**	**1.4000e-003**	**0.0000**	**5.9000e-004**	**0.0000**	**6.0000e-004**	**1.6000e-004**	**0.0000**	**1.6000e-004**	**0.0000**	**0.4271**	**0.4271**	**1.0000e-005**	**1.0000e-005**	**0.4305**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.26 P.3 Build Exterior - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.0500e-003	0.0615	0.0878	1.4000e-004		2.7300e-003	2.7300e-003		2.5600e-003	2.5600e-003	0.0000	11.7511	11.7511	3.4200e-003	0.0000	11.8367
Paving	7.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.8100e-003**	**0.0615**	**0.0878**	**1.4000e-004**		**2.7300e-003**	**2.7300e-003**		**2.5600e-003**	**2.5600e-003**	**0.0000**	**11.7511**	**11.7511**	**3.4200e-003**	**0.0000**	**11.8367**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-004	2.9000e-004	4.1900e-003	1.0000e-005	1.7800e-003	1.0000e-005	1.7900e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.2814	1.2814	3.0000e-005	3.0000e-005	1.2914
Total	**4.7000e-004**	**2.9000e-004**	**4.1900e-003**	**1.0000e-005**	**1.7800e-003**	**1.0000e-005**	**1.7900e-003**	**4.7000e-004**	**1.0000e-005**	**4.8000e-004**	**0.0000**	**1.2814**	**1.2814**	**3.0000e-005**	**3.0000e-005**	**1.2914**

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

3.26 P.3 Build Exterior - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.8400e-003	0.0477	0.0763	1.1000e-004		2.2000e-003	2.2000e-003		2.0200e-003	2.0200e-003	0.0000	10.0326	10.0326	3.2400e-003	0.0000	10.1137
Paving	7.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**5.6000e-003**	**0.0477**	**0.0763**	**1.1000e-004**		**2.2000e-003**	**2.2000e-003**		**2.0200e-003**	**2.0200e-003**	**0.0000**	**10.0326**	**10.0326**	**3.2400e-003**	**0.0000**	**10.1137**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-004	2.9000e-004	4.1900e-003	1.0000e-005	1.7800e-003	1.0000e-005	1.7900e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.2814	1.2814	3.0000e-005	3.0000e-005	1.2914
Total	**4.7000e-004**	**2.9000e-004**	**4.1900e-003**	**1.0000e-005**	**1.7800e-003**	**1.0000e-005**	**1.7900e-003**	**4.7000e-004**	**1.0000e-005**	**4.8000e-004**	**0.0000**	**1.2814**	**1.2814**	**3.0000e-005**	**3.0000e-005**	**1.2914**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.27 P.3 Cottage Interiors - 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	0.7746					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.4200e-003	0.0229	0.0362	6.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003	0.0000	5.1065	5.1065	2.8000e-004	0.0000	5.1135
Total	**0.7780**	**0.0229**	**0.0362**	**6.0000e-005**		**1.0300e-003**	**1.0300e-003**		**1.0300e-003**	**1.0300e-003**	**0.0000**	**5.1065**	**5.1065**	**2.8000e-004**	**0.0000**	**5.1135**

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	2.5000e-004	1.5000e-004	2.2300e-003	1.0000e-005	9.5000e-004	0.0000	9.6000e-004	2.5000e-004	0.0000	2.6000e-004	0.0000	0.6834	0.6834	2.0000e-005	2.0000e-005	0.6888
Total	**2.5000e-004**	**1.5000e-004**	**2.2300e-003**	**1.0000e-005**	**9.5000e-004**	**0.0000**	**9.6000e-004**	**2.5000e-004**	**0.0000**	**2.6000e-004**	**0.0000**	**0.6834**	**0.6834**	**2.0000e-005**	**2.0000e-005**	**0.6888**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.27 P.3 Cottage Interiors - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7746					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.4200e-003	0.0229	0.0362	6.0000e-005		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003	0.0000	5.1065	5.1065	2.8000e-004	0.0000	5.1135
Total	**0.7780**	**0.0229**	**0.0362**	**6.0000e-005**		**1.0300e-003**	**1.0300e-003**		**1.0300e-003**	**1.0300e-003**	**0.0000**	**5.1065**	**5.1065**	**2.8000e-004**	**0.0000**	**5.1135**

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	2.5000e-004	1.5000e-004	2.2300e-003	1.0000e-005	9.5000e-004	0.0000	9.6000e-004	2.5000e-004	0.0000	2.6000e-004	0.0000	0.6834	0.6834	2.0000e-005	2.0000e-005	0.6888
Total	**2.5000e-004**	**1.5000e-004**	**2.2300e-003**	**1.0000e-005**	**9.5000e-004**	**0.0000**	**9.6000e-004**	**2.5000e-004**	**0.0000**	**2.6000e-004**	**0.0000**	**0.6834**	**0.6834**	**2.0000e-005**	**2.0000e-005**	**0.6888**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.28 P.3 Fitness Overall - 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	0.0696	0.6882	0.9610	1.5700e-003		0.0248	0.0248		0.0232	0.0232	0.0000	133.0578	133.0578	0.0367	0.0000	133.9758
Total	**0.0696**	**0.6882**	**0.9610**	**1.5700e-003**		**0.0248**	**0.0248**		**0.0232**	**0.0232**	**0.0000**	**133.0578**	**133.0578**	**0.0367**	**0.0000**	**133.9758**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.28 P.3 Fitness Overall - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0598	0.5563	0.7008	1.1700e-003		0.0223	0.0223		0.0209	0.0209	0.0000	97.7237	97.7237	0.0256	0.0000	98.3648
Total	**0.0598**	**0.5563**	**0.7008**	**1.1700e-003**		**0.0223**	**0.0223**		**0.0209**	**0.0209**	**0.0000**	**97.7237**	**97.7237**	**0.0256**	**0.0000**	**98.3648**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.29 P.3 Fitness Concrete Foundation - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	1.0000e-005	3.1000e-004	9.0000e-005	0.0000	3.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1200	0.1200	0.0000	2.0000e-005	0.1258
Vendor	5.0000e-005	2.3100e-003	7.0000e-004	1.0000e-005	3.5000e-004	1.0000e-005	3.6000e-004	1.0000e-004	1.0000e-005	1.1000e-004	0.0000	0.9932	0.9932	2.0000e-005	1.5000e-004	1.0370
Worker	1.7600e-003	1.0800e-003	0.0156	5.0000e-005	6.6600e-003	3.0000e-005	6.6900e-003	1.7700e-003	3.0000e-005	1.8000e-003	0.0000	4.7838	4.7838	1.1000e-004	1.2000e-004	4.8214
Total	**1.8200e-003**	**3.7000e-003**	**0.0164**	**6.0000e-005**	**7.0400e-003**	**4.0000e-005**	**7.0900e-003**	**1.8800e-003**	**4.0000e-005**	**1.9200e-003**	**0.0000**	**5.8970**	**5.8970**	**1.3000e-004**	**2.9000e-004**	**5.9841**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.29 P.3 Fitness Concrete Foundation - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	1.0000e-005	3.1000e-004	9.0000e-005	0.0000	3.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1200	0.1200	0.0000	2.0000e-005	0.1258
Vendor	5.0000e-005	2.3100e-003	7.0000e-004	1.0000e-005	3.5000e-004	1.0000e-005	3.6000e-004	1.0000e-004	1.0000e-005	1.1000e-004	0.0000	0.9932	0.9932	2.0000e-005	1.5000e-004	1.0370
Worker	1.7600e-003	1.0800e-003	0.0156	5.0000e-005	6.6600e-003	3.0000e-005	6.6900e-003	1.7700e-003	3.0000e-005	1.8000e-003	0.0000	4.7838	4.7838	1.1000e-004	1.2000e-004	4.8214
Total	**1.8200e-003**	**3.7000e-003**	**0.0164**	**6.0000e-005**	**7.0400e-003**	**4.0000e-005**	**7.0900e-003**	**1.8800e-003**	**4.0000e-005**	**1.9200e-003**	**0.0000**	**5.8970**	**5.8970**	**1.3000e-004**	**2.9000e-004**	**5.9841**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.30 P.3 Fitness Build Frame - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.0000e-005	3.9700e-003	1.2000e-003	2.0000e-005	5.9000e-004	2.0000e-005	6.2000e-004	1.7000e-004	2.0000e-005	1.9000e-004	0.0000	1.7026	1.7026	4.0000e-005	2.5000e-004	1.7777
Worker	2.4500e-003	1.5000e-003	0.0218	7.0000e-005	9.2800e-003	4.0000e-005	9.3200e-003	2.4700e-003	4.0000e-005	2.5000e-003	0.0000	6.6631	6.6631	1.5000e-004	1.6000e-004	6.7155
Total	**2.5400e-003**	**5.4700e-003**	**0.0230**	**9.0000e-005**	**9.8700e-003**	**6.0000e-005**	**9.9400e-003**	**2.6400e-003**	**6.0000e-005**	**2.6900e-003**	**0.0000**	**8.3658**	**8.3658**	**1.9000e-004**	**4.1000e-004**	**8.4932**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.30 P.3 Fitness Build Frame - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.0000e-005	3.9700e-003	1.2000e-003	2.0000e-005	5.9000e-004	2.0000e-005	6.2000e-004	1.7000e-004	2.0000e-005	1.9000e-004	0.0000	1.7026	1.7026	4.0000e-005	2.5000e-004	1.7777
Worker	2.4500e-003	1.5000e-003	0.0218	7.0000e-005	9.2800e-003	4.0000e-005	9.3200e-003	2.4700e-003	4.0000e-005	2.5000e-003	0.0000	6.6631	6.6631	1.5000e-004	1.6000e-004	6.7155
Total	**2.5400e-003**	**5.4700e-003**	**0.0230**	**9.0000e-005**	**9.8700e-003**	**6.0000e-005**	**9.9400e-003**	**2.6400e-003**	**6.0000e-005**	**2.6900e-003**	**0.0000**	**8.3658**	**8.3658**	**1.9000e-004**	**4.1000e-004**	**8.4932**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.31 P.3 Fitness Build Exterior - 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	7.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.6000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	5.0000e-005	2.3100e-003	7.0000e-004	1.0000e-005	3.5000e-004	1.0000e-005	3.6000e-004	1.0000e-004	1.0000e-005	1.1000e-004	0.0000	0.9932	0.9932	2.0000e-005	1.5000e-004	1.0370
Worker	1.4700e-003	9.0000e-004	0.0130	4.0000e-005	5.5500e-003	2.0000e-005	5.5800e-003	1.4800e-003	2.0000e-005	1.5000e-003	0.0000	3.9865	3.9865	9.0000e-005	1.0000e-004	4.0178
Total	**1.5200e-003**	**3.2100e-003**	**0.0137**	**5.0000e-005**	**5.9000e-003**	**3.0000e-005**	**5.9400e-003**	**1.5800e-003**	**3.0000e-005**	**1.6100e-003**	**0.0000**	**4.9797**	**4.9797**	**1.1000e-004**	**2.5000e-004**	**5.0548**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.31 P.3 Fitness Build Exterior - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	7.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.6000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.0000e-005	2.3100e-003	7.0000e-004	1.0000e-005	3.5000e-004	1.0000e-005	3.6000e-004	1.0000e-004	1.0000e-005	1.1000e-004	0.0000	0.9932	0.9932	2.0000e-005	1.5000e-004	1.0370
Worker	1.4700e-003	9.0000e-004	0.0130	4.0000e-005	5.5500e-003	2.0000e-005	5.5800e-003	1.4800e-003	2.0000e-005	1.5000e-003	0.0000	3.9865	3.9865	9.0000e-005	1.0000e-004	4.0178
Total	**1.5200e-003**	**3.2100e-003**	**0.0137**	**5.0000e-005**	**5.9000e-003**	**3.0000e-005**	**5.9400e-003**	**1.5800e-003**	**3.0000e-005**	**1.6100e-003**	**0.0000**	**4.9797**	**4.9797**	**1.1000e-004**	**2.5000e-004**	**5.0548**

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

3.32 P.3 Fitness Interiors - 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	0.7746					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.7746**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-005	3.5300e-003	1.0700e-003	2.0000e-005	5.3000e-004	2.0000e-005	5.5000e-004	1.5000e-004	2.0000e-005	1.7000e-004	0.0000	1.5135	1.5135	3.0000e-005	2.2000e-004	1.5801
Worker	2.0500e-003	1.2600e-003	0.0182	6.0000e-005	7.7700e-003	3.0000e-005	7.8100e-003	2.0700e-003	3.0000e-005	2.1000e-003	0.0000	5.5811	5.5811	1.3000e-004	1.4000e-004	5.6250
Total	**2.1300e-003**	**4.7900e-003**	**0.0193**	**8.0000e-005**	**8.3000e-003**	**5.0000e-005**	**8.3600e-003**	**2.2200e-003**	**5.0000e-005**	**2.2700e-003**	**0.0000**	**7.0945**	**7.0945**	**1.6000e-004**	**3.6000e-004**	**7.2051**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.32 P.3 Fitness Interiors - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7746					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.7746**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-005	3.5300e-003	1.0700e-003	2.0000e-005	5.3000e-004	2.0000e-005	5.5000e-004	1.5000e-004	2.0000e-005	1.7000e-004	0.0000	1.5135	1.5135	3.0000e-005	2.2000e-004	1.5801
Worker	2.0500e-003	1.2600e-003	0.0182	6.0000e-005	7.7700e-003	3.0000e-005	7.8100e-003	2.0700e-003	3.0000e-005	2.1000e-003	0.0000	5.5811	5.5811	1.3000e-004	1.4000e-004	5.6250
Total	**2.1300e-003**	**4.7900e-003**	**0.0193**	**8.0000e-005**	**8.3000e-003**	**5.0000e-005**	**8.3600e-003**	**2.2200e-003**	**5.0000e-005**	**2.2700e-003**	**0.0000**	**7.0945**	**7.0945**	**1.6000e-004**	**3.6000e-004**	**7.2051**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.33 P.4 Build A Overall - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0437	0.4283	0.5482	9.8000e-004		0.0159	0.0159		0.0148	0.0148	0.0000	83.5987	83.5987	0.0239	0.0000	84.1955
Total	**0.0437**	**0.4283**	**0.5482**	**9.8000e-004**		**0.0159**	**0.0159**		**0.0148**	**0.0148**	**0.0000**	**83.5987**	**83.5987**	**0.0239**	**0.0000**	**84.1955**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.33 P.4 Build A Overall - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0388	0.3628	0.4188	7.8000e-004		0.0146	0.0146		0.0136	0.0136	0.0000	66.0292	66.0292	0.0184	0.0000	66.4883
Total	**0.0388**	**0.3628**	**0.4188**	**7.8000e-004**		**0.0146**	**0.0146**		**0.0136**	**0.0136**	**0.0000**	**66.0292**	**66.0292**	**0.0184**	**0.0000**	**66.4883**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.33 P.4 Build A Overall - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0442	0.4331	0.5543	9.9000e-004		0.0161	0.0161		0.0150	0.0150	0.0000	84.5328	84.5328	0.0241	0.0000	85.1362
Total	**0.0442**	**0.4331**	**0.5543**	**9.9000e-004**		**0.0161**	**0.0161**		**0.0150**	**0.0150**	**0.0000**	**84.5328**	**84.5328**	**0.0241**	**0.0000**	**85.1362**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.33 P.4 Build A Overall - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0392	0.3668	0.4235	7.9000e-004		0.0148	0.0148		0.0138	0.0138	0.0000	66.7669	66.7669	0.0186	0.0000	67.2312
Total	**0.0392**	**0.3668**	**0.4235**	**7.9000e-004**		**0.0148**	**0.0148**		**0.0138**	**0.0138**	**0.0000**	**66.7669**	**66.7669**	**0.0186**	**0.0000**	**67.2312**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.34 P.4 Build A Excavation - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0111	0.0000	0.0111	1.2200e-003	0.0000	1.2200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0111**	**0.0000**	**0.0111**	**1.2200e-003**	**0.0000**	**1.2200e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	4.5000e-004	0.0226	6.8700e-003	9.0000e-005	2.5700e-003	1.7000e-004	2.7300e-003	7.1000e-004	1.6000e-004	8.7000e-004	0.0000	8.6789	8.6789	3.0000e-004	1.3800e-003	9.0966
Vendor	1.0000e-005	4.4000e-004	1.3000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.1855	0.1855	0.0000	3.0000e-005	0.1936
Worker	6.8000e-004	4.0000e-004	6.0200e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.8961	1.8961	4.0000e-005	5.0000e-005	1.9105
Total	**1.1400e-003**	**0.0234**	**0.0130**	**1.1000e-004**	**5.3400e-003**	**1.8000e-004**	**5.5100e-003**	**1.4500e-003**	**1.7000e-004**	**1.6200e-003**	**0.0000**	**10.7604**	**10.7604**	**3.4000e-004**	**1.4600e-003**	**11.2007**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.34 P.4 Build A Excavation - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.9900e-003	0.0000	4.9900e-003	5.5000e-004	0.0000	5.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**4.9900e-003**	**0.0000**	**4.9900e-003**	**5.5000e-004**	**0.0000**	**5.5000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	4.5000e-004	0.0226	6.8700e-003	9.0000e-005	2.5700e-003	1.7000e-004	2.7300e-003	7.1000e-004	1.6000e-004	8.7000e-004	0.0000	8.6789	8.6789	3.0000e-004	1.3800e-003	9.0966
Vendor	1.0000e-005	4.4000e-004	1.3000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.1855	0.1855	0.0000	3.0000e-005	0.1936
Worker	6.8000e-004	4.0000e-004	6.0200e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.8961	1.8961	4.0000e-005	5.0000e-005	1.9105
Total	**1.1400e-003**	**0.0234**	**0.0130**	**1.1000e-004**	**5.3400e-003**	**1.8000e-004**	**5.5100e-003**	**1.4500e-003**	**1.7000e-004**	**1.6200e-003**	**0.0000**	**10.7604**	**10.7604**	**3.4000e-004**	**1.4600e-003**	**11.2007**

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

3.35 P.4 Build A Concrete Found - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	3.6000e-004	0.0158	4.7600e-003	7.0000e-005	2.3700e-003	9.0000e-005	2.4600e-003	6.9000e-004	9.0000e-005	7.8000e-004	0.0000	6.6767	6.6767	1.4000e-004	9.7000e-004	6.9703
Worker	4.2900e-003	2.5400e-003	0.0382	1.3000e-004	0.0171	7.0000e-005	0.0172	4.5600e-003	6.0000e-005	4.6200e-003	0.0000	12.0457	12.0457	2.6000e-004	2.9000e-004	12.1375
Total	**4.6500e-003**	**0.0183**	**0.0430**	**2.0000e-004**	**0.0195**	**1.6000e-004**	**0.0197**	**5.2500e-003**	**1.5000e-004**	**5.4000e-003**	**0.0000**	**18.7223**	**18.7223**	**4.0000e-004**	**1.2600e-003**	**19.1078**

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

3.35 P.4 Build A Concrete Found - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	3.6000e-004	0.0158	4.7600e-003	7.0000e-005	2.3700e-003	9.0000e-005	2.4600e-003	6.9000e-004	9.0000e-005	7.8000e-004	0.0000	6.6767	6.6767	1.4000e-004	9.7000e-004	6.9703
Worker	4.2900e-003	2.5400e-003	0.0382	1.3000e-004	0.0171	7.0000e-005	0.0172	4.5600e-003	6.0000e-005	4.6200e-003	0.0000	12.0457	12.0457	2.6000e-004	2.9000e-004	12.1375
Total	**4.6500e-003**	**0.0183**	**0.0430**	**2.0000e-004**	**0.0195**	**1.6000e-004**	**0.0197**	**5.2500e-003**	**1.5000e-004**	**5.4000e-003**	**0.0000**	**18.7223**	**18.7223**	**4.0000e-004**	**1.2600e-003**	**19.1078**

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

3.36 P.4 Build A Build Frame - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	1.4000e-004	6.0400e-003	1.8200e-003	3.0000e-005	9.1000e-004	4.0000e-005	9.4000e-004	2.6000e-004	3.0000e-005	3.0000e-004	0.0000	2.5594	2.5594	5.0000e-005	3.7000e-004	2.6719
Worker	3.5600e-003	2.1100e-003	0.0318	1.0000e-004	0.0142	6.0000e-005	0.0143	3.7800e-003	5.0000e-005	3.8400e-003	0.0000	10.0046	10.0046	2.2000e-004	2.4000e-004	10.0809
Total	**3.7000e-003**	**8.1500e-003**	**0.0336**	**1.3000e-004**	**0.0151**	**1.0000e-004**	**0.0152**	**4.0400e-003**	**8.0000e-005**	**4.1400e-003**	**0.0000**	**12.5640**	**12.5640**	**2.7000e-004**	**6.1000e-004**	**12.7528**

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

3.36 P.4 Build A Build Frame - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	1.4000e-004	6.0400e-003	1.8200e-003	3.0000e-005	9.1000e-004	4.0000e-005	9.4000e-004	2.6000e-004	3.0000e-005	3.0000e-004	0.0000	2.5594	2.5594	5.0000e-005	3.7000e-004	2.6719
Worker	3.5600e-003	2.1100e-003	0.0318	1.0000e-004	0.0142	6.0000e-005	0.0143	3.7800e-003	5.0000e-005	3.8400e-003	0.0000	10.0046	10.0046	2.2000e-004	2.4000e-004	10.0809
Total	**3.7000e-003**	**8.1500e-003**	**0.0336**	**1.3000e-004**	**0.0151**	**1.0000e-004**	**0.0152**	**4.0400e-003**	**8.0000e-005**	**4.1400e-003**	**0.0000**	**12.5640**	**12.5640**	**2.7000e-004**	**6.1000e-004**	**12.7528**

Saratoga Retirement Community Campus Expansion Construction - Alt 3 - Santa Clara County, Annual

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

3.36 P.4 Build A Build Frame - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	1.0000e-005	5.2000e-004	1.6000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.2182	0.2182	0.0000	3.0000e-005	0.2278
Worker	2.9000e-004	1.7000e-004	2.6400e-003	1.0000e-005	1.2400e-003	0.0000	1.2400e-003	3.3000e-004	0.0000	3.3000e-004	0.0000	0.8536	0.8536	2.0000e-005	2.0000e-005	0.8599
Total	**3.0000e-004**	**6.9000e-004**	**2.8000e-003**	**1.0000e-005**	**1.3200e-003**	**0.0000**	**1.3200e-003**	**3.5000e-004**	**0.0000**	**3.6000e-004**	**0.0000**	**1.0718**	**1.0718**	**2.0000e-005**	**5.0000e-005**	**1.0878**

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

3.36 P.4 Build A Build Frame - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	1.0000e-005	5.2000e-004	1.6000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.2182	0.2182	0.0000	3.0000e-005	0.2278
Worker	2.9000e-004	1.7000e-004	2.6400e-003	1.0000e-005	1.2400e-003	0.0000	1.2400e-003	3.3000e-004	0.0000	3.3000e-004	0.0000	0.8536	0.8536	2.0000e-005	2.0000e-005	0.8599
Total	**3.0000e-004**	**6.9000e-004**	**2.8000e-003**	**1.0000e-005**	**1.3200e-003**	**0.0000**	**1.3200e-003**	**3.5000e-004**	**0.0000**	**3.6000e-004**	**0.0000**	**1.0718**	**1.0718**	**2.0000e-005**	**5.0000e-005**	**1.0878**

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

3.37 P.4 Build A Build Exterior - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	7.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.6000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	1.0000e-004	4.2400e-003	1.2800e-003	2.0000e-005	6.4000e-004	3.0000e-005	6.7000e-004	1.9000e-004	2.0000e-005	2.1000e-004	0.0000	1.7732	1.7732	4.0000e-005	2.6000e-004	1.8510
Worker	2.4500e-003	1.4200e-003	0.0220	7.0000e-005	0.0103	4.0000e-005	0.0104	2.7400e-003	4.0000e-005	2.7800e-003	0.0000	7.1133	7.1133	1.5000e-004	1.7000e-004	7.1662
Total	**2.5500e-003**	**5.6600e-003**	**0.0233**	**9.0000e-005**	**0.0110**	**7.0000e-005**	**0.0110**	**2.9300e-003**	**6.0000e-005**	**2.9900e-003**	**0.0000**	**8.8865**	**8.8865**	**1.9000e-004**	**4.3000e-004**	**9.0172**

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

3.37 P.4 Build A Build Exterior - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	7.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.6000e-004**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0000e-004	4.2400e-003	1.2800e-003	2.0000e-005	6.4000e-004	3.0000e-005	6.7000e-004	1.9000e-004	2.0000e-005	2.1000e-004	0.0000	1.7732	1.7732	4.0000e-005	2.6000e-004	1.8510
Worker	2.4500e-003	1.4200e-003	0.0220	7.0000e-005	0.0103	4.0000e-005	0.0104	2.7400e-003	4.0000e-005	2.7800e-003	0.0000	7.1133	7.1133	1.5000e-004	1.7000e-004	7.1662
Total	**2.5500e-003**	**5.6600e-003**	**0.0233**	**9.0000e-005**	**0.0110**	**7.0000e-005**	**0.0110**	**2.9300e-003**	**6.0000e-005**	**2.9900e-003**	**0.0000**	**8.8865**	**8.8865**	**1.9000e-004**	**4.3000e-004**	**9.0172**

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

3.38 P.4 Build A Interiors - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7746					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.7746**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2000e-004	9.5600e-003	2.8800e-003	4.0000e-005	1.4500e-003	6.0000e-005	1.5100e-003	4.2000e-004	5.0000e-005	4.7000e-004	0.0000	4.0011	4.0011	9.0000e-005	5.8000e-004	4.1767
Worker	0.0104	6.0000e-003	0.0932	3.1000e-004	0.0436	1.7000e-004	0.0438	0.0116	1.5000e-004	0.0118	0.0000	30.0949	30.0949	6.1000e-004	7.0000e-004	30.3184
Total	**0.0106**	**0.0156**	**0.0961**	**3.5000e-004**	**0.0451**	**2.3000e-004**	**0.0453**	**0.0120**	**2.0000e-004**	**0.0122**	**0.0000**	**34.0959**	**34.0959**	**7.0000e-004**	**1.2800e-003**	**34.4951**

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

3.38 P.4 Build A Interiors - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7746					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.7746**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2000e-004	9.5600e-003	2.8800e-003	4.0000e-005	1.4500e-003	6.0000e-005	1.5100e-003	4.2000e-004	5.0000e-005	4.7000e-004	0.0000	4.0011	4.0011	9.0000e-005	5.8000e-004	4.1767
Worker	0.0104	6.0000e-003	0.0932	3.1000e-004	0.0436	1.7000e-004	0.0438	0.0116	1.5000e-004	0.0118	0.0000	30.0949	30.0949	6.1000e-004	7.0000e-004	30.3184
Total	**0.0106**	**0.0156**	**0.0961**	**3.5000e-004**	**0.0451**	**2.3000e-004**	**0.0453**	**0.0120**	**2.0000e-004**	**0.0122**	**0.0000**	**34.0959**	**34.0959**	**7.0000e-004**	**1.2800e-003**	**34.4951**

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	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Place of Worship	0.00	0.00	0.00		
Retirement Community	0.00	0.00	0.00		
Retirement Community	0.00	0.00	0.00		

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

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Retirement Community	0.00	0.00	0.00		
Single Family Housing	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Place of Worship	9.50	7.30	7.30	0.00	95.00	5.00	64	25	11
Retirement Community	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Retirement Community	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Retirement Community	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.576295	0.056490	0.183529	0.114985	0.020137	0.005304	0.008188	0.006136	0.000868	0.000349	0.024273	0.000862	0.002585
Health Club	0.576295	0.056490	0.183529	0.114985	0.020137	0.005304	0.008188	0.006136	0.000868	0.000349	0.024273	0.000862	0.002585
Other Asphalt Surfaces	0.576295	0.056490	0.183529	0.114985	0.020137	0.005304	0.008188	0.006136	0.000868	0.000349	0.024273	0.000862	0.002585
Other Non-Asphalt Surfaces	0.576295	0.056490	0.183529	0.114985	0.020137	0.005304	0.008188	0.006136	0.000868	0.000349	0.024273	0.000862	0.002585
Place of Worship	0.576295	0.056490	0.183529	0.114985	0.020137	0.005304	0.008188	0.006136	0.000868	0.000349	0.024273	0.000862	0.002585

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

Retirement Community	0.576295	0.056490	0.183529	0.114985	0.020137	0.005304	0.008188	0.006136	0.000868	0.000349	0.024273	0.000862	0.002585
Single Family Housing	0.576295	0.056490	0.183529	0.114985	0.020137	0.005304	0.008188	0.006136	0.000868	0.000349	0.024273	0.000862	0.002585

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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
Health Club	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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	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
Retirement Community	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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
Health Club	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
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Place of Worship	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
Retirement Community	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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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	0	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

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	0.0125	4.7200e-003	0.4103	2.0000e-005		2.2700e-003	2.2700e-003		2.2700e-003	2.2700e-003	0.0000	0.6717	0.6717	6.5000e-004	0.0000	0.6879
Unmitigated	0.0125	4.7200e-003	0.4103	2.0000e-005		2.2700e-003	2.2700e-003		2.2700e-003	2.2700e-003	0.0000	0.6717	0.6717	6.5000e-004	0.0000	0.6879

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0125	4.7200e-003	0.4103	2.0000e-005		2.2700e-003	2.2700e-003		2.2700e-003	2.2700e-003	0.0000	0.6717	0.6717	6.5000e-004	0.0000	0.6879
Total	**0.0125**	**4.7200e-003**	**0.4103**	**2.0000e-005**		**2.2700e-003**	**2.2700e-003**		**2.2700e-003**	**2.2700e-003**	**0.0000**	**0.6717**	**0.6717**	**6.5000e-004**	**0.0000**	**0.6879**

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0125	4.7200e-003	0.4103	2.0000e-005		2.2700e-003	2.2700e-003		2.2700e-003	2.2700e-003	0.0000	0.6717	0.6717	6.5000e-004	0.0000	0.6879
Total	**0.0125**	**4.7200e-003**	**0.4103**	**2.0000e-005**		**2.2700e-003**	**2.2700e-003**		**2.2700e-003**	**2.2700e-003**	**0.0000**	**0.6717**	**0.6717**	**6.5000e-004**	**0.0000**	**0.6879**

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	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

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

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
Health Club	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Place of Worship	0 / 0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

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
Health Club	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Place of Worship	0 / 0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

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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
Health Club	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

8.2 Waste by Land Use

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
Health Club	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Place of Worship	0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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

Saratoga Retirement Community Campus Expansion - Phase 5 - Alt 3

Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Congregate Care (Assisted Living)	15.00	Dwelling Unit	0.94	15,000.00	43
Congregate Care (Assisted Living)	52.00	Dwelling Unit	3.25	52,000.00	149

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2025
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Phase 4 Construction Run Only

Land Use - Placeholder land uses only to account for Phase 5 construction activities within assisted living and health care building. No exterior construction activities.

Construction Phase - 2-year construction duration for Phase 5, separate phases to account for differing construction equipment usage. Paving phase included as placeholder only.

Off-road Equipment - Assumes 2 air compressors. Power tools to be powered by air compressor.

Off-road Equipment - Assumes 2 concrete/industrial saws utilized for 2 months per wing.

Off-road Equipment - Assumes 2 concrete/industrial saws utilized for 2 months per wing.

Off-road Equipment - Assumes 2 concrete/industrial saws utilized for 2 months per wing.

Off-road Equipment - Assumes 2 concrete/industrial saws utilized for 2 months per wing.

Trips and VMT - Assumes average of 10 workers per day, 10 haul trucks for debris off-haul.

Architectural Coating - No exterior changes.

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

Vehicle Trips - Construction only run.

Woodstoves - Construction only run.

Area Coating - Construction only run.

Energy Use - Construction only run.

Water And Wastewater - Construction only run.

Solid Waste - Construction only run.

Construction Off-road Equipment Mitigation - Mitigation to include use of Tier 4 Final for Equipment >50HP.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Residential_Exterior	45,225.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	45,225.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	45,225.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	45,225.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	45,225.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	135,675.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	135,675.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	135,675.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	135,675.00	0.00
tblAreaCoating	Area_Residential_Exterior	45225	0
tblAreaCoating	Area_Residential_Interior	135675	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	45.00
tblConstructionPhase	NumDays	18.00	524.00
tblConstructionPhase	NumDays	18.00	45.00
tblConstructionPhase	NumDays	18.00	45.00
tblConstructionPhase	NumDays	18.00	45.00

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

tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	T24E	70.89	0.00
tblEnergyUse	T24NG	5,226.68	0.00
tblFireplaces	NumberGas	10.05	0.00
tblFireplaces	NumberWood	11.39	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblSolidWaste	SolidWasteGenerationRate	61.14	0.00
tblTripsAndVMT	HaulingTripLength	20.00	10.20
tblTripsAndVMT	HaulingTripNumber	0.00	20.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	20.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblVehicleTrips	ST_TR	2.93	0.00
tblVehicleTrips	SU_TR	3.15	0.00
tblVehicleTrips	WD_TR	2.60	0.00
tblWater	IndoorWaterUseRate	4,365,319.72	0.00

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

tblWater	OutdoorWaterUseRate	2,752,049.39	0.00
tblWoodstoves	NumberCatalytic	1.34	0.00
tblWoodstoves	NumberNoncatalytic	1.34	0.00

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.0893	0.2515	0.3925	6.8000e-004	6.9100e-003	0.0121	0.0190	1.8400e-003	0.0121	0.0139	0.0000	59.0539	59.0539	2.9600e-003	1.4000e-004	59.1709
2025	0.2484	0.6069	1.0090	1.7600e-003	0.0207	0.0264	0.0471	5.5200e-003	0.0264	0.0319	0.0000	152.5985	152.5985	7.3600e-003	4.1000e-004	152.9041
2026	0.1627	0.3734	0.6214	1.0900e-003	0.0140	0.0163	0.0303	3.7200e-003	0.0163	0.0200	0.0000	94.2348	94.2348	4.5700e-003	2.6000e-004	94.4268
Maximum	**0.2484**	**0.6069**	**1.0090**	**1.7600e-003**	**0.0207**	**0.0264**	**0.0471**	**5.5200e-003**	**0.0264**	**0.0319**	**0.0000**	**152.5985**	**152.5985**	**7.3600e-003**	**4.1000e-004**	**152.9041**

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	0.0605	0.0286	0.4044	6.8000e-004	6.9100e-003	8.7000e-004	7.7800e-003	1.8400e-003	8.7000e-004	2.7100e-003	0.0000	59.0538	59.0538	2.9600e-003	1.4000e-004	59.1708
2025	0.1784	0.0733	1.0364	1.7600e-003	0.0207	2.2300e-003	0.0230	5.5200e-003	2.2200e-003	7.7400e-003	0.0000	152.5984	152.5984	7.3600e-003	4.1000e-004	152.9040
2026	0.1191	0.0449	0.6365	1.0900e-003	0.0140	1.3700e-003	0.0154	3.7200e-003	1.3600e-003	5.0800e-003	0.0000	94.2347	94.2347	4.5700e-003	2.6000e-004	94.4267
Maximum	**0.1784**	**0.0733**	**1.0364**	**1.7600e-003**	**0.0207**	**2.2300e-003**	**0.0230**	**5.5200e-003**	**2.2200e-003**	**7.7400e-003**	**0.0000**	**152.5984**	**152.5984**	**7.3600e-003**	**4.1000e-004**	**152.9040**

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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	N20	CO2e
Percent Reduction	**28.46**	**88.08**	**-2.69**	**0.00**	**0.00**	**91.84**	**52.18**	**0.00**	**91.87**	**76.41**	**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)
5	**7-3-2024**	**10-2-2024**	0.1196	0.0271
6	**10-3-2024**	**1-2-2025**	0.2232	0.0634
7	**1-3-2025**	**4-2-2025**	0.2145	0.0627
8	**4-3-2025**	**7-2-2025**	0.2105	0.0623
9	**7-3-2025**	**10-2-2025**	0.2158	0.0634
10	**10-3-2025**	**1-2-2026**	0.2106	0.0629
11	**1-3-2026**	**4-2-2026**	0.1575	0.0551
12	**4-3-2026**	**7-2-2026**	0.2671	0.0695
13	**7-3-2026**	**9-30-2026**	0.1076	0.0381
		Highest	0.2671	0.0695

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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	0.2766	5.7200e-003	0.4970	3.0000e-005		2.7600e-003	2.7600e-003		2.7600e-003	2.7600e-003	0.0000	0.8126	0.8126	7.8000e-004	0.0000	0.8321
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2766**	**5.7200e-003**	**0.4970**	**3.0000e-005**	**0.0000**	**2.7600e-003**	**2.7600e-003**	**0.0000**	**2.7600e-003**	**2.7600e-003**	**0.0000**	**0.8126**	**0.8126**	**7.8000e-004**	**0.0000**	**0.8321**

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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	0.2766	5.7200e-003	0.4970	3.0000e-005		2.7600e-003	2.7600e-003		2.7600e-003	2.7600e-003	0.0000	0.8126	0.8126	7.8000e-004	0.0000	0.8321
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2766**	**5.7200e-003**	**0.4970**	**3.0000e-005**	**0.0000**	**2.7600e-003**	**2.7600e-003**	**0.0000**	**2.7600e-003**	**2.7600e-003**	**0.0000**	**0.8126**	**0.8126**	**7.8000e-004**	**0.0000**	**0.8321**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	Interior Renovations - Saws Wing 1	Architectural Coating	9/1/2024	11/1/2024	5	45	
2	Interior Renovations - Air Compressors	Architectural Coating	9/1/2024	9/3/2026	5	524	

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

3	Interior Renovations - Saws Wing 2	Architectural Coating	3/1/2025	5/2/2025	5	45	
4	Interior Renovations - Saws Wing 3	Architectural Coating	9/1/2025	10/31/2025	5	45	
5	Interior Renovations - Saws Wing 4	Architectural Coating	4/1/2026	6/2/2026	5	45	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Interior Renovations - Saws Wing 1	Air Compressors	0	0.00	78	0.48
Interior Renovations - Saws Wing 1	Concrete/Industrial Saws	2	8.00	81	0.73
Interior Renovations - Air Compressors	Air Compressors	2	8.00	78	0.48
Interior Renovations - Saws Wing 2	Air Compressors	0	0.00	78	0.48
Interior Renovations - Saws Wing 2	Concrete/Industrial Saws	2	8.00	81	0.73
Interior Renovations - Saws Wing 3	Air Compressors	0	0.00	78	0.48
Interior Renovations - Saws Wing 3	Concrete/Industrial Saws	2	8.00	81	0.73
Interior Renovations - Saws Wing 4	Air Compressors	0	0.00	78	0.48
Interior Renovations - Saws Wing 4	Concrete/Industrial Saws	2	8.00	81	0.73

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
Interior Renovations - Saws Wing 1	2	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Interior Renovations - Air Compressors	2	20.00	0.00	20.00	10.80	7.30	10.20	LD_Mix	HDT_Mix	HHDT
Interior Renovations - Saws Wing 2	2	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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

Interior Renovations - Saws Wing 3	2	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Interior Renovations - Saws Wing 4	2	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Interior Renovations - Saws Wing 1 - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0141	0.1086	0.1643	2.8000e-004		4.9700e-003	4.9700e-003		4.9700e-003	4.9700e-003	0.0000	24.1945	24.1945	1.1500e-003	0.0000	24.2233
Total	**0.0141**	**0.1086**	**0.1643**	**2.8000e-004**		**4.9700e-003**	**4.9700e-003**		**4.9700e-003**	**4.9700e-003**	**0.0000**	**24.1945**	**24.1945**	**1.1500e-003**	**0.0000**	**24.2233**

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

3.2 Interior Renovations - Saws Wing 1 - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8200e-003	0.0122	0.1736	2.8000e-004		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	24.1945	24.1945	1.1500e-003	0.0000	24.2232
Total	**2.8200e-003**	**0.0122**	**0.1736**	**2.8000e-004**		**3.8000e-004**	**3.8000e-004**		**3.8000e-004**	**3.8000e-004**	**0.0000**	**24.1945**	**24.1945**	**1.1500e-003**	**0.0000**	**24.2232**

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

3.2 Interior Renovations - Saws Wing 1 - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Interior Renovations - Air Compressors - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0522					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0210	0.1414	0.2100	3.4000e-004		7.0700e-003	7.0700e-003		7.0700e-003	7.0700e-003	0.0000	29.6177	29.6177	1.6700e-003	0.0000	29.6594
Total	**0.0732**	**0.1414**	**0.2100**	**3.4000e-004**		**7.0700e-003**	**7.0700e-003**		**7.0700e-003**	**7.0700e-003**	**0.0000**	**29.6177**	**29.6177**	**1.6700e-003**	**0.0000**	**29.6594**

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

3.3 Interior Renovations - Air Compressors - 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	1.3000e-004	4.0000e-005	0.0000	1.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0518	0.0518	0.0000	1.0000e-005	0.0543
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0400e-003	1.3600e-003	0.0182	6.0000e-005	6.9000e-003	3.0000e-005	6.9300e-003	1.8400e-003	3.0000e-005	1.8700e-003	0.0000	5.1898	5.1898	1.4000e-004	1.4000e-004	5.2339
Total	**2.0400e-003**	**1.4900e-003**	**0.0182**	**6.0000e-005**	**6.9100e-003**	**3.0000e-005**	**6.9500e-003**	**1.8400e-003**	**3.0000e-005**	**1.8700e-003**	**0.0000**	**5.2416**	**5.2416**	**1.4000e-004**	**1.5000e-004**	**5.2882**

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	0.0522					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.4500e-003	0.0149	0.2126	3.4000e-004		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004	0.0000	29.6177	29.6177	1.6700e-003	0.0000	29.6594
Total	**0.0557**	**0.0149**	**0.2126**	**3.4000e-004**		**4.6000e-004**	**4.6000e-004**		**4.6000e-004**	**4.6000e-004**	**0.0000**	**29.6177**	**29.6177**	**1.6700e-003**	**0.0000**	**29.6594**

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

3.3 Interior Renovations - Air Compressors - 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	1.3000e-004	4.0000e-005	0.0000	1.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0518	0.0518	0.0000	1.0000e-005	0.0543
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0400e-003	1.3600e-003	0.0182	6.0000e-005	6.9000e-003	3.0000e-005	6.9300e-003	1.8400e-003	3.0000e-005	1.8700e-003	0.0000	5.1898	5.1898	1.4000e-004	1.4000e-004	5.2339
Total	**2.0400e-003**	**1.4900e-003**	**0.0182**	**6.0000e-005**	**6.9100e-003**	**3.0000e-005**	**6.9500e-003**	**1.8400e-003**	**3.0000e-005**	**1.8700e-003**	**0.0000**	**5.2416**	**5.2416**	**1.4000e-004**	**1.5000e-004**	**5.2882**

3.3 Interior Renovations - Air Compressors - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1566					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0595	0.3986	0.6296	1.0300e-003		0.0179	0.0179		0.0179	0.0179	0.0000	88.8532	88.8532	4.8500e-003	0.0000	88.9744
Total	**0.2161**	**0.3986**	**0.6296**	**1.0300e-003**		**0.0179**	**0.0179**		**0.0179**	**0.0179**	**0.0000**	**88.8532**	**88.8532**	**4.8500e-003**	**0.0000**	**88.9744**

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

3.3 Interior Renovations - Air Compressors - 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	1.0000e-005	3.9000e-004	1.2000e-004	0.0000	4.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1525	0.1525	1.0000e-005	2.0000e-005	0.1599
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7700e-003	3.6700e-003	0.0513	1.6000e-004	0.0207	9.0000e-005	0.0208	5.5100e-003	9.0000e-005	5.5900e-003	0.0000	15.2036	15.2036	3.8000e-004	3.8000e-004	15.3275
Total	**5.7800e-003**	**4.0600e-003**	**0.0514**	**1.6000e-004**	**0.0207**	**9.0000e-005**	**0.0208**	**5.5200e-003**	**9.0000e-005**	**5.6000e-003**	**0.0000**	**15.3562**	**15.3562**	**3.9000e-004**	**4.0000e-004**	**15.4873**

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	0.1566					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0103	0.0448	0.6377	1.0300e-003		1.3800e-003	1.3800e-003		1.3800e-003	1.3800e-003	0.0000	88.8531	88.8531	4.8500e-003	0.0000	88.9743
Total	**0.1670**	**0.0448**	**0.6377**	**1.0300e-003**		**1.3800e-003**	**1.3800e-003**		**1.3800e-003**	**1.3800e-003**	**0.0000**	**88.8531**	**88.8531**	**4.8500e-003**	**0.0000**	**88.9743**

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

3.3 Interior Renovations - Air Compressors - 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	1.0000e-005	3.9000e-004	1.2000e-004	0.0000	4.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1525	0.1525	1.0000e-005	2.0000e-005	0.1599
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7700e-003	3.6700e-003	0.0513	1.6000e-004	0.0207	9.0000e-005	0.0208	5.5100e-003	9.0000e-005	5.5900e-003	0.0000	15.2036	15.2036	3.8000e-004	3.8000e-004	15.3275
Total	**5.7800e-003**	**4.0600e-003**	**0.0514**	**1.6000e-004**	**0.0207**	**9.0000e-005**	**0.0208**	**5.5200e-003**	**9.0000e-005**	**5.6000e-003**	**0.0000**	**15.3562**	**15.3562**	**3.9000e-004**	**4.0000e-004**	**15.4873**

3.3 Interior Renovations - Air Compressors - 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	0.1056					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0401	0.2688	0.4245	7.0000e-004		0.0121	0.0121		0.0121	0.0121	0.0000	59.9164	59.9164	3.2700e-003	0.0000	59.9981
Total	**0.1457**	**0.2688**	**0.4245**	**7.0000e-004**		**0.0121**	**0.0121**		**0.0121**	**0.0121**	**0.0000**	**59.9164**	**59.9164**	**3.2700e-003**	**0.0000**	**59.9981**

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

3.3 Interior Renovations - Air Compressors - 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	1.0000e-005	2.6000e-004	8.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1008	0.1008	0.0000	2.0000e-005	0.1056
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6800e-003	2.2600e-003	0.0327	1.1000e-004	0.0140	6.0000e-005	0.0140	3.7100e-003	6.0000e-005	3.7700e-003	0.0000	10.0231	10.0231	2.3000e-004	2.5000e-004	10.1020
Total	**3.6900e-003**	**2.5200e-003**	**0.0328**	**1.1000e-004**	**0.0140**	**6.0000e-005**	**0.0141**	**3.7200e-003**	**6.0000e-005**	**3.7800e-003**	**0.0000**	**10.1239**	**10.1239**	**2.3000e-004**	**2.7000e-004**	**10.2076**

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	0.1056					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.9700e-003	0.0302	0.4300	7.0000e-004		9.3000e-004	9.3000e-004		9.3000e-004	9.3000e-004	0.0000	59.9163	59.9163	3.2700e-003	0.0000	59.9980
Total	**0.1126**	**0.0302**	**0.4300**	**7.0000e-004**		**9.3000e-004**	**9.3000e-004**		**9.3000e-004**	**9.3000e-004**	**0.0000**	**59.9163**	**59.9163**	**3.2700e-003**	**0.0000**	**59.9980**

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

3.3 Interior Renovations - Air Compressors - 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	1.0000e-005	2.6000e-004	8.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1008	0.1008	0.0000	2.0000e-005	0.1056
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6800e-003	2.2600e-003	0.0327	1.1000e-004	0.0140	6.0000e-005	0.0140	3.7100e-003	6.0000e-005	3.7700e-003	0.0000	10.0231	10.0231	2.3000e-004	2.5000e-004	10.1020
Total	**3.6900e-003**	**2.5200e-003**	**0.0328**	**1.1000e-004**	**0.0140**	**6.0000e-005**	**0.0141**	**3.7200e-003**	**6.0000e-005**	**3.7800e-003**	**0.0000**	**10.1239**	**10.1239**	**2.3000e-004**	**2.7000e-004**	**10.2076**

3.4 Interior Renovations - Saws Wing 2 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0133	0.1021	0.1640	2.8000e-004		4.1800e-003	4.1800e-003		4.1800e-003	4.1800e-003	0.0000	24.1946	24.1946	1.0600e-003	0.0000	24.2212
Total	**0.0133**	**0.1021**	**0.1640**	**2.8000e-004**		**4.1800e-003**	**4.1800e-003**		**4.1800e-003**	**4.1800e-003**	**0.0000**	**24.1946**	**24.1946**	**1.0600e-003**	**0.0000**	**24.2212**

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3.4 Interior Renovations - Saws Wing 2 - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8200e-003	0.0122	0.1736	2.8000e-004		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	24.1946	24.1946	1.0600e-003	0.0000	24.2212
Total	**2.8200e-003**	**0.0122**	**0.1736**	**2.8000e-004**		**3.8000e-004**	**3.8000e-004**		**3.8000e-004**	**3.8000e-004**	**0.0000**	**24.1946**	**24.1946**	**1.0600e-003**	**0.0000**	**24.2212**

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3.4 Interior Renovations - Saws Wing 2 - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Interior Renovations - Saws Wing 3 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0133	0.1021	0.1640	2.8000e-004		4.1800e-003	4.1800e-003		4.1800e-003	4.1800e-003	0.0000	24.1946	24.1946	1.0600e-003	0.0000	24.2212
Total	**0.0133**	**0.1021**	**0.1640**	**2.8000e-004**		**4.1800e-003**	**4.1800e-003**		**4.1800e-003**	**4.1800e-003**	**0.0000**	**24.1946**	**24.1946**	**1.0600e-003**	**0.0000**	**24.2212**

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3.5 Interior Renovations - Saws Wing 3 - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8200e-003	0.0122	0.1736	2.8000e-004		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	24.1946	24.1946	1.0600e-003	0.0000	24.2212
Total	**2.8200e-003**	**0.0122**	**0.1736**	**2.8000e-004**		**3.8000e-004**	**3.8000e-004**		**3.8000e-004**	**3.8000e-004**	**0.0000**	**24.1946**	**24.1946**	**1.0600e-003**	**0.0000**	**24.2212**

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3.5 Interior Renovations - Saws Wing 3 - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Interior Renovations - Saws Wing 4 - 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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0133	0.1021	0.1640	2.8000e-004		4.1800e-003	4.1800e-003		4.1800e-003	4.1800e-003	0.0000	24.1946	24.1946	1.0600e-003	0.0000	24.2212
Total	**0.0133**	**0.1021**	**0.1640**	**2.8000e-004**		**4.1800e-003**	**4.1800e-003**		**4.1800e-003**	**4.1800e-003**	**0.0000**	**24.1946**	**24.1946**	**1.0600e-003**	**0.0000**	**24.2212**

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

3.6 Interior Renovations - Saws Wing 4 - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8200e-003	0.0122	0.1736	2.8000e-004		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	24.1946	24.1946	1.0600e-003	0.0000	24.2212
Total	**2.8200e-003**	**0.0122**	**0.1736**	**2.8000e-004**		**3.8000e-004**	**3.8000e-004**		**3.8000e-004**	**3.8000e-004**	**0.0000**	**24.1946**	**24.1946**	**1.0600e-003**	**0.0000**	**24.2212**

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

3.6 Interior Renovations - Saws Wing 4 - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Congregate Care (Assisted Living)	0.00	0.00	0.00		
Congregate Care (Assisted Living)	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Congregate Care (Assisted	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Congregate Care (Assisted	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Congregate Care (Assisted Living)	0.573651	0.055882	0.186012	0.115369	0.020252	0.005158	0.008030	0.006377	0.000893	0.000372	0.024386	0.000900	0.002720

5.0 Energy Detail

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Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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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					
Congregate Care (Assisted Living)	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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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					
Congregate Care (Assisted Living)	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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Congregate Care (Assisted Living)	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Congregate Care (Assisted Living)	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

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	0.2766	5.7200e-003	0.4970	3.0000e-005		2.7600e-003	2.7600e-003		2.7600e-003	2.7600e-003	0.0000	0.8126	0.8126	7.8000e-004	0.0000	0.8321
Unmitigated	0.2766	5.7200e-003	0.4970	3.0000e-005		2.7600e-003	2.7600e-003		2.7600e-003	2.7600e-003	0.0000	0.8126	0.8126	7.8000e-004	0.0000	0.8321

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2617					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0149	5.7200e-003	0.4970	3.0000e-005		2.7600e-003	2.7600e-003		2.7600e-003	2.7600e-003	0.0000	0.8126	0.8126	7.8000e-004	0.0000	0.8321
Total	**0.2766**	**5.7200e-003**	**0.4970**	**3.0000e-005**		**2.7600e-003**	**2.7600e-003**		**2.7600e-003**	**2.7600e-003**	**0.0000**	**0.8126**	**0.8126**	**7.8000e-004**	**0.0000**	**0.8321**

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2617					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0149	5.7200e-003	0.4970	3.0000e-005		2.7600e-003	2.7600e-003		2.7600e-003	2.7600e-003	0.0000	0.8126	0.8126	7.8000e-004	0.0000	0.8321
Total	**0.2766**	**5.7200e-003**	**0.4970**	**3.0000e-005**		**2.7600e-003**	**2.7600e-003**		**2.7600e-003**	**2.7600e-003**	**0.0000**	**0.8126**	**0.8126**	**7.8000e-004**	**0.0000**	**0.8321**

7.0 Water Detail

7.1 Mitigation Measures Water

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	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Congregate Care (Assisted Living)	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

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			
Congregate Care (Assisted Living)	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Congregate Care (Assisted Living)	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Congregate Care (Assisted Living)	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

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

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Alternative 3 Emissions by Phase

Phase	Year	Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
P.1 Utility Relocation Prep	2024	Onsite	0.0221	0.1866	0.226	5.70E-04	1.79E-03	6.70E-03	8.49E-03	1.90E-04	6.31E-03	6.50E-03	0	48.2065	48.2065	0.0134	0	48.5414
P.1 Utility Relocation Prep	2024	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Utility Relocation Prep	2024	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Utility Relocation Prep	2024	Worker	2.79E-03	1.85E-03	0.0249	8.00E-05	9.44E-03	4.00E-05	9.48E-03	2.51E-03	4.00E-05	2.55E-03	0	7.0986	7.0986	1.90E-04	1.90E-04	7.159
P.1 Build A Grading and Manor Parking	2024	Onsite	0	0	0	0	2.00E-03	0	2.00E-03	2.20E-04	0	2.20E-04	0	0	0	0	0	0
P.1 Build A Grading and Manor Parking	2024	Hauling	3.30E-04	0.0171	5.06E-03	7.00E-05	1.90E-03	1.30E-04	2.02E-03	5.20E-04	1.20E-04	6.40E-04	0	6.8381	6.8381	2.30E-04	1.08E-03	7.1669
P.1 Build A Grading and Manor Parking	2024	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1 Build A Grading and Manor Parking	2024	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Overall	2024	Onsite	9.67E-03	0.0888	0.0946	1.80E-04	0	3.86E-03	3.86E-03	0	3.61E-03	3.61E-03	0	14.9553	14.9553	4.12E-03	0	15.0583
P.2 Build C Overall	2024	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Overall	2024	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Overall	2024	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Overall	2025	Onsite	0.0653	0.6029	0.6787	1.28E-03	0	0.0246	0.0246	0	0.0229	0.0229	0	108.4296	108.4296	0.0298	0	109.1741
P.2 Build C Overall	2025	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Overall	2025	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Overall	2025	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Overall	2026	Onsite	0.032	0.2957	0.3328	6.30E-04	0	0.0121	0.0121	0	0.0113	0.0113	0	53.1762	53.1762	0.0146	0	53.5413
P.2 Build C Overall	2026	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Overall	2026	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Overall	2026	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Excavation	2024	Onsite	0	0	0	0	7.35E-03	0	7.35E-03	8.00E-04	0	8.00E-04	0	0	0	0	0	0
P.2 Build C Excavation	2024	Hauling	1.01E-03	0.0518	0.0153	2.10E-04	5.75E-03	3.80E-04	6.13E-03	1.58E-03	3.60E-04	1.95E-03	0	20.7328	20.7328	7.00E-04	3.29E-03	21.7299
P.2 Build C Excavation	2024	Vendor	3.00E-05	1.34E-03	4.10E-04	1.00E-05	2.00E-04	1.00E-05	2.10E-04	6.00E-05	1.00E-05	6.00E-05	0	0.5877	0.5877	1.00E-05	9.00E-05	0.6137
P.2 Build C Excavation	2024	Worker	1.79E-03	1.19E-03	0.016	5.00E-05	6.07E-03	3.00E-05	6.10E-03	1.61E-03	3.00E-05	1.64E-03	0	4.5634	4.5634	1.20E-04	1.20E-04	4.6022
P.2 Build C Concrete Found	2024	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Concrete Found	2024	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Concrete Found	2024	Vendor	2.00E-05	9.40E-04	2.90E-04	0	1.40E-04	1.00E-05	1.40E-04	4.00E-05	1.00E-05	5.00E-05	0	0.4114	0.4114	1.00E-05	6.00E-05	0.4296
P.2 Build C Concrete Found	2024	Worker	4.70E-04	3.10E-04	4.21E-03	1.00E-05	1.59E-03	1.00E-05	1.60E-03	4.20E-04	1.00E-05	4.30E-04	0	1.199	1.199	3.00E-05	3.00E-05	1.2092
P.2 Build C Concrete Found	2025	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Concrete Found	2025	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Concrete Found	2025	Vendor	4.30E-04	0.0185	5.64E-03	8.00E-05	2.74E-03	1.10E-04	2.85E-03	7.90E-04	1.10E-04	9.00E-04	0	8.0212	8.0212	1.70E-04	1.17E-03	8.3753
P.2 Build C Concrete Found	2025	Worker	8.81E-03	5.60E-03	0.0784	2.50E-04	0.0316	1.40E-04	0.0318	8.41E-03	1.30E-04	8.54E-03	0	23.2219	23.2219	5.70E-04	5.90E-04	23.4111
P.2 Build C Building Frame	2025	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Building Frame	2025	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Building Frame	2025	Vendor	1.60E-04	6.66E-03	2.03E-03	3.00E-05	9.90E-04	4.00E-05	1.03E-03	2.90E-04	4.00E-05	3.20E-04	0	2.8888	2.8888	6.00E-05	4.20E-04	3.0163
P.2 Build C Building Frame	2025	Worker	4.31E-03	2.74E-03	0.0383	1.20E-04	0.0155	7.00E-05	0.0155	4.11E-03	6.00E-05	4.18E-03	0	11.359	11.359	2.80E-04	2.90E-04	11.4516
P.2 Build C Building Exterior	2025	Onsite	7.30E-04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Building Exterior	2025	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Building Exterior	2025	Vendor	1.00E-04	4.46E-03	1.36E-03	2.00E-05	6.60E-04	3.00E-05	6.90E-04	1.90E-04	3.00E-05	2.20E-04	0	1.9355	1.9355	4.00E-05	2.80E-04	2.0209
P.2 Build C Building Exterior	2025	Worker	3.18E-03	2.02E-03	0.0283	9.00E-05	0.0114	5.00E-05	0.0115	3.04E-03	5.00E-05	3.09E-03	0	8.3911	8.3911	2.10E-04	2.10E-04	8.4595
P.2 Build C Building Exterior	2026	Onsite	3.00E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Building Exterior	2026	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Building Exterior	2026	Vendor	0	2.00E-04	6.00E-05	0	3.00E-05	0	3.00E-05	1.00E-05	0	1.00E-05	0	0.0851	0.0851	0	1.00E-05	0.0889
P.2 Build C Building Exterior	2026	Worker	1.40E-04	8.00E-05	1.20E-03	0	5.10E-04	0	5.10E-04	1.40E-04	0	1.40E-04	0	0.3673	0.3673	1.00E-05	1.00E-05	0.3702
P.2 Build C Interiors	2026	Onsite	0.7746	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Interiors	2026	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2 Build C Interiors	2026	Vendor	2.60E-04	0.011	3.34E-03	5.00E-05	1.65E-03	7.00E-05	1.71E-03	4.80E-04	6.00E-05	5.40E-04	0	4.7296	4.7296	1.00E-04	6.90E-04	4.9379
P.2 Build C Interiors	2026	Worker	0.0148	9.05E-03	0.1314	4.20E-04	0.056	2.40E-04	0.0563	0.0149	2.20E-04	0.0151	0	40.2207	40.2207	9.30E-04	9.80E-04	40.5369
P.3 Build D Overall	2026	Onsite	0.078	0.7305	0.8323	1.57E-03	0	0.0294	0.0294	0	0.0274	0.0274	0	133.3522	133.3522	0.0371	0	134.2791
P.3 Build D Overall	2026	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Build D Overall	2026	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Build D Overall	2026	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Build D Overall	2027	Onsite	0.0248	0.2322	0.2645	5.00E-04	0	9.34E-03	9.34E-03	0	8.71E-03	8.71E-03	0	42.3833	42.3833	0.0118	0	42.6778
P.3 Build D Overall	2027	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Build D Overall	2027	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Build D Overall	2027	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Demo - Cottage	2026	Onsite	2.87E-03	0.0255	0.0368	6.00E-05	9.90E-04	1.05E-03	2.04E-03	1.50E-04	1.00E-03	1.15E-03	0	5.204	5.204	9.30E-04	0	5.2273
P.3 Demo - Cottage	2026	Hauling	4.00E-05	1.96E-03	5.90E-04	1.00E-05	2.20E-04	1.00E-05	2.40E-04	6.00E-05	1.00E-05	7.00E-05	0	0.765	0.765	3.00E-05	1.20E-04	0.8018
P.3 Demo - Cottage	2026	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Demo - Cottage	2026	Worker	1.00E-04	6.00E-05	9.30E-04	0	4.00E-04	0	4.00E-04	1.10E-04	0	1.10E-04	0	0.2848	0.2848	1.00E-05	1.00E-05	0.287
P.3 Build D Excavation	2026	Onsite	0	0	0	0	7.38E-03	0	7.38E-03	8.10E-04	0	8.10E-04	0	0	0	0	0	0
P.3 Build D Excavation	2026	Hauling	8.20E-04	0.0417	0.0126	1.60E-04	4.70E-03	3.10E-04	5.01E-03	1.29E-03	2.90E-04	1.59E-03	0	16.2595	16.2595	5.60E-04	2.58E-03	17.0419
P.3 Build D Excavation	2026	Vendor	2.00E-05	6.60E-04	2.00E-04	0	1.00E-04	0	1.00E-04	3.00E-05	0	3.00E-05	0	0.2838	0.2838	1.00E-05	4.00E-05	0.2963
P.3 Build D Excavation	2026	Worker	1.07E-03	6.50E-04	9.49E-03	3.00E-05	4.04E-03	2.00E-05	4.06E-03	1.08E-03	2.00E-05	1.09E-03	0	2.9044	2.9044	7.00E-05	7.00E-05	2.9273
P.3 Build D Concrete Found	2026	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Build D Concrete Found	2026	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Build D Concrete Found	2026	Vendor	3.70E-04	0.0159	4.82E-03	7.00E-05	2.37E-03	9.00E-05	2.46E-03	6.90E-04	9.00E-05	7.80E-04	0	6.8106	6.8106	1.50E-04	9.90E-04	7.1106
P.3 Build D Concrete Found	2026	Worker	4.52E-03	2.77E-03	0.0402	1.30E-04	0.0171	7.00E-05	0.0172	4.56E-03	7.00E-05	4.62E-03	0	12.3011	12.3011	2.80E-04	3.00E-04	12.3979
P.3 Build D Building Frame	2026	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Build D Building Frame	2026	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Build D Building Frame	2026	Vendor	1.50E-04	6.61E-03	2.01E-03	3.00E-05	9.90E-04	4.00E-05	1.03E-03	2.90E-04	4.00E-05	3.20E-04	0	2.8377	2.8377	6.00E-05	4.10E-04	2.9627
P.3 Build D Building Frame	2026	Worker	2.72E-03	1.67E-03	0.0242	8.00E-05	0.0103	4.00E-05	0.0104	2.74E-03	4.00E-05	2.78E-03	0	7.4035	7.4035	1.70E-04	1.80E-04	7.4617
P.3 Build D Building Exterior	2026	Onsite	7.60E-04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Build D Building Exterior	2026	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Build D Building Exterior	2026	Vendor	1.30E-04	5.51E-03	1.67E-03	2.00E-05	8.20E-04	3.00E-05	8.60E-04	2.40E-04	3.00E-05	2.70E-04	0	2.3648	2.3648	5.00E-05	3.50E-04	2.469
P.3 Build D Building Exterior	2026	Worker	2.09E-03	1.28E-03	0.0186	6.00E-05	7.93E-03	3.00E-05	7.97E-03	2.11E-03	3.00E-05	2.14E-03	0	5.695	5.695	1.30E-04	1.40E-04	5.7397
P.3 Build D Interiors	2026	Onsite	0.1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Build D Interiors	2026	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Build D Interiors	2026	Vendor	6.00E-05	2.47E-03	7.50E-04	1.00E-05	3.70E-04	1.00E-05	3.80E-04	1.10E-04	1.00E-05	1.20E-04	0	1.0594	1.0594	2.00E-05	1.50E-04	1.1061
P.3 Build D Interiors	2026	Worker	2.93E-03	1.79E-03	0.026	8.00E-05	0.0111	5.00E-05	0.0112	2.95E-03	4.00E-05	3.00E-03	0	7.973	7.973	1.80E-04	1.90E-04	8.0356
P.3 Build D Interiors	2027	Onsite	0.5774	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Build D Interiors	2027	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Build D Interiors	2027	Vendor	1.60E-04	7.17E-03	2.17E-03	3.00E-05	1.08E-03	4.00E-05	1.12E-03	3.10E-04	4.00E-05	3.50E-04	0	3.0416	3.0416	7.00E-05	4.40E-04	3.1754
P.3 Build D Interiors	2027	Worker	8.15E-03	4.83E-03	0.0726	2.40E-04	0.0325	1.30E-04	0.0327	8.65E-03	1.20E-04	8.77E-03	0	22.8645	22.8645	5.00E-04	5.40E-04	23.0388
P.3 Meeting Hall Overall	2026	Onsite	0.0659	0.6412	0.7429	1.43E-03	0	0.0252	0.0252	0	0.0234	0.0234	0	122.6835	122.6835	0.036	0	123.5826
P.3 Meeting Hall Overall	2026	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Meeting Hall Overall	2026	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Meeting Hall Overall	2026	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Meeting Hall Excavation	2026	Onsite	0	0	0	0	4.80E-03	0	4.80E-03	5.20E-04	0	5.20E-04	0	0	0	0	0	0
P.3 Meeting Hall Excavation	2026	Hauling	1.70E-04	8.84E-03	2.67E-03	3.00E-05	1.00E-03	7.00E-05	1.06E-03	2.70E-04	6.00E-05	3.40E-04	0	3.4499	3.4499	1.20E-04	5.50E-04	3.6159
P.3 Meeting Hall Excavation	2026	Vendor	2.00E-05	8.80E-04	2.70E-04	0	1.30E-04	1.00E-05	1.40E-04	4.00E-05	1.00E-05	4.00E-05	0	0.3784	0.3784	1.00E-05	6.00E-05	0.395
P.3 Meeting Hall Excavation	2026	Worker	7.10E-04	4.40E-04	6.32E-03	2.00E-05	2.70E-03	1.00E-05	2.71E-03	7.20E-04	1.00E-05	7.30E-04	0	1.9363	1.9363	4.00E-05	5.00E-05	1.9515
P.3 Meeting Hall Concrete Found	2026	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Meeting Hall Concrete Found	2026	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Meeting Hall Concrete Found	2026	Vendor	2.80E-04	0.0121	3.68E-03	5.00E-05	1.81E-03	7.00E-05	1.88E-03	5.20E-04	7.00E-05	5.90E-04	0	5.2025	5.2025	1.10E-04	7.60E-04	5.4317
P.3 Meeting Hall Concrete Found	2026	Worker	1.41E-03	8.70E-04	0.0126	4.00E-05	5.35E-03	2.00E-05	5.38E-03	1.42E-03	2.00E-05	1.45E-03	0	3.8441	3.8441	9.00E-05	9.00E-05	3.8743
P.3 Meeting Hall Build Frame	2026	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Meeting Hall Build Frame	2026	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Meeting Hall Build Frame	2026	Vendor	5.00E-05	2.20E-03	6.70E-04	1.00E-05	3.30E-04	1.00E-05	3.40E-04	1.00E-04	1.00E-05	1.10E-04	0	0.9459	0.9459	2.00E-05	1.40E-04	0.9876
P.3 Meeting Hall Build Frame	2026	Worker	4.40E-04	2.70E-04	3.95E-03	1.00E-05	1.69E-03	1.00E-05	1.69E-03	4.50E-04	1.00E-05	4.50E-04	0	1.2102	1.2102	3.00E-05	3.00E-05	1.2197
P.3 Meeting Hall Biuld Exterior	2026	Onsite	7.60E-04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Meeting Hall Biuld Exterior	2026	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Meeting Hall Biuld Exterior	2026	Vendor	7.00E-05	3.09E-03	9.40E-04	1.00E-05	4.60E-04	2.00E-05	4.80E-04	1.30E-04	2.00E-05	1.50E-04	0	1.3243	1.3243	3.00E-05	1.90E-04	1.3826
P.3 Meeting Hall Biuld Exterior	2026	Worker	8.10E-04	4.90E-04	7.16E-03	2.00E-05	3.05E-03	1.00E-05	3.07E-03	8.10E-04	1.00E-05	8.20E-04	0	2.1926	2.1926	5.00E-05	5.00E-05	2.2098
P.3 Meeting Halll Interiors	2026	Onsite	0.7746	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Meeting Halll Interiors	2026	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Meeting Halll Interiors	2026	Vendor	8.00E-05	3.53E-03	1.07E-03	2.00E-05	5.30E-04	2.00E-05	5.50E-04	1.50E-04	2.00E-05	1.70E-04	0	1.5135	1.5135	3.00E-05	2.20E-04	1.5801
P.3 Meeting Halll Interiors	2026	Worker	1.55E-03	9.50E-04	0.0138	4.00E-05	5.87E-03	3.00E-05	5.89E-03	1.56E-03	2.00E-05	1.58E-03	0	4.2143	4.2143	1.00E-04	1.00E-04	4.2474
P.3 Cottage Excavation	2026	Onsite	4.17E-03	0.0437	0.027	7.00E-05	0.0126	1.74E-03	0.0143	5.85E-03	1.60E-03	7.45E-03	0	6.1902	6.1902	2.00E-03	0	6.2402
P.3 Cottage Excavation	2026	Hauling	3.00E-05	1.73E-03	5.20E-04	1.00E-05	2.00E-04	1.00E-05	2.10E-04	5.00E-05	1.00E-05	7.00E-05	0	0.675	0.675	2.00E-05	1.10E-04	0.7075
P.3 Cottage Excavation	2026	Vendor	1.00E-05	4.40E-04	1.30E-04	0	7.00E-05	0	7.00E-05	2.00E-05	0	2.00E-05	0	0.1892	0.1892	0	3.00E-05	0.1975
P.3 Cottage Excavation	2026	Worker	5.00E-05	3.00E-05	4.70E-04	0	2.00E-04	0	2.00E-04	5.00E-05	0	5.00E-05	0	0.1424	0.1424	0	0	0.1435
P.3 Cottage Concrete Found	2026	Onsite	5.51E-03	0.0548	0.0703	1.10E-04	0	2.41E-03	2.41E-03	0	2.22E-03	2.22E-03	0	10.0296	10.0296	3.24E-03	0	10.1107
P.3 Cottage Concrete Found	2026	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Cottage Concrete Found	2026	Vendor	2.00E-05	8.80E-04	2.70E-04	0	1.30E-04	1.00E-05	1.40E-04	4.00E-05	1.00E-05	4.00E-05	0	0.3784	0.3784	1.00E-05	6.00E-05	0.395
P.3 Cottage Concrete Found	2026	Worker	1.70E-04	1.00E-04	1.49E-03	0	6.30E-04	0	6.40E-04	1.70E-04	0	1.70E-04	0	0.4556	0.4556	1.00E-05	1.00E-05	0.4592
P.3 Cottage Build Frame	2026	Onsite	6.89E-03	0.0685	0.0879	1.40E-04	0	3.02E-03	3.02E-03	0	2.77E-03	2.77E-03	0	12.537	12.537	4.05E-03	0	12.6383
P.3 Cottage Build Frame	2026	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Cottage Build Frame	2026	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Cottage Build Frame	2026	Worker	1.60E-04	1.00E-04	1.40E-03	0	5.90E-04	0	6.00E-04	1.60E-04	0	1.60E-04	0	0.4271	0.4271	1.00E-05	1.00E-05	0.4305
P.3 Build Exterior	2026	Onsite	5.60E-03	0.0477	0.0763	1.10E-04	0	2.20E-03	2.20E-03	0	2.02E-03	2.02E-03	0	10.0326	10.0326	3.24E-03	0	10.1137
P.3 Build Exterior	2026	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Build Exterior	2026	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Build Exterior	2026	Worker	4.70E-04	2.90E-04	4.19E-03	1.00E-05	1.78E-03	1.00E-05	1.79E-03	4.70E-04	1.00E-05	4.80E-04	0	1.2814	1.2814	3.00E-05	3.00E-05	1.2914
P.3 Cottage Interiors	2026	Onsite	0.778	0.0229	0.0362	6.00E-05	0	1.03E-03	1.03E-03	0	1.03E-03	1.03E-03	0	5.1065	5.1065	2.80E-04	0	5.1135
P.3 Cottage Interiors	2026	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Cottage Interiors	2026	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Cottage Interiors	2026	Worker	2.50E-04	1.50E-04	2.23E-03	1.00E-05	9.50E-04	0	9.60E-04	2.50E-04	0	2.60E-04	0	0.6834	0.6834	2.00E-05	2.00E-05	0.6888
P.3 Fitness Overall	2026	Onsite	0.0598	0.5563	0.7008	1.17E-03	0	0.0223	0.0223	0	0.0209	0.0209	0	97.7237	97.7237	0.0256	0	98.3648
P.3 Fitness Overall	2026	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Fitness Overall	2026	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Fitness Overall	2026	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Alternative 3 Emissions by Phase

Phase	Year	Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
P.3 Fitness Concrete Foundation	2026	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Fitness Concrete Foundation	2026	Hauling	1.00E-05	3.10E-04	9.00E-05	0	3.00E-05	0	4.00E-05	1.00E-05	0	1.00E-05	0	0.12	0.12	0	2.00E-05	0.1258
P.3 Fitness Concrete Foundation	2026	Vendor	5.00E-05	2.31E-03	7.00E-04	1.00E-05	3.50E-04	1.00E-05	3.60E-04	1.00E-04	1.00E-05	1.10E-04	0	0.9932	0.9932	2.00E-05	1.50E-04	1.037
P.3 Fitness Concrete Foundation	2026	Worker	1.76E-03	1.08E-03	0.0156	5.00E-05	6.66E-03	3.00E-05	6.69E-03	1.77E-03	3.00E-05	1.80E-03	0	4.7838	4.7838	1.10E-04	1.20E-04	4.8214
P.3 Fitness Build Frame	2026	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Fitness Build Frame	2026	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Fitness Build Frame	2026	Vendor	9.00E-05	3.97E-03	1.20E-03	2.00E-05	5.90E-04	2.00E-05	6.20E-04	1.70E-04	2.00E-05	1.90E-04	0	1.7026	1.7026	4.00E-05	2.50E-04	1.7777
P.3 Fitness Build Frame	2026	Worker	2.45E-03	1.50E-03	0.0218	7.00E-05	9.28E-03	4.00E-05	9.32E-03	2.47E-03	4.00E-05	2.50E-03	0	6.6631	6.6631	1.50E-04	1.60E-04	6.7155
P.3 Fitness Build Exterior	2026	Onsite	7.60E-04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Fitness Build Exterior	2026	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Fitness Build Exterior	2026	Vendor	5.00E-05	2.31E-03	7.00E-04	1.00E-05	3.50E-04	1.00E-05	3.60E-04	1.00E-04	1.00E-05	1.10E-04	0	0.9932	0.9932	2.00E-05	1.50E-04	1.037
P.3 Fitness Build Exterior	2026	Worker	1.47E-03	9.00E-04	0.013	4.00E-05	5.55E-03	2.00E-05	5.58E-03	1.48E-03	2.00E-05	1.50E-03	0	3.9865	3.9865	9.00E-05	1.00E-04	4.0178
P.3 Fitness Interiors	2026	Onsite	0.7746	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Fitness Interiors	2026	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.3 Fitness Interiors	2026	Vendor	8.00E-05	3.53E-03	1.07E-03	2.00E-05	5.30E-04	2.00E-05	5.50E-04	1.50E-04	2.00E-05	1.70E-04	0	1.5135	1.5135	3.00E-05	2.20E-04	1.5801
P.3 Fitness Interiors	2026	Worker	2.05E-03	1.26E-03	0.0182	6.00E-05	7.77E-03	3.00E-05	7.81E-03	2.07E-03	3.00E-05	2.10E-03	0	5.5811	5.5811	1.30E-04	1.40E-04	5.625
P.4 Build A Overall	2027	Onsite	0.0388	0.3628	0.4188	7.80E-04	0	0.0146	0.0146	0	0.0136	0.0136	0	66.0292	66.0292	0.0184	0	66.4883
P.4 Build A Overall	2027	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.4 Build A Overall	2027	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.4 Build A Overall	2027	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.4 Build A Overall	2028	Onsite	0.0392	0.3668	0.4235	7.90E-04	0	0.0148	0.0148	0	0.0138	0.0138	0	66.7669	66.7669	0.0186	0	67.2312
P.4 Build A Overall	2028	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.4 Build A Overall	2028	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.4 Build A Overall	2028	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.4 Build A Excavation	2027	Onsite	0	0	0	0	4.99E-03	0	4.99E-03	5.50E-04	0	5.50E-04	0	0	0	0	0	0
P.4 Build A Excavation	2027	Hauling	4.50E-04	0.0226	6.87E-03	9.00E-05	2.57E-03	1.70E-04	2.73E-03	7.10E-04	1.60E-04	8.70E-04	0	8.6789	8.6789	3.00E-04	1.38E-03	9.0966
P.4 Build A Excavation	2027	Vendor	1.00E-05	4.40E-04	1.30E-04	0	7.00E-05	0	7.00E-05	2.00E-05	0	2.00E-05	0	0.1855	0.1855	0	3.00E-05	0.1936
P.4 Build A Excavation	2027	Worker	6.80E-04	4.00E-04	6.02E-03	2.00E-05	2.70E-03	1.00E-05	2.71E-03	7.20E-04	1.00E-05	7.30E-04	0	1.8961	1.8961	4.00E-05	5.00E-05	1.9105
P.4 Build A Concrete Found	2027	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.4 Build A Concrete Found	2027	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.4 Build A Concrete Found	2027	Vendor	3.60E-04	0.0158	4.76E-03	7.00E-05	2.37E-03	9.00E-05	2.46E-03	6.90E-04	9.00E-05	7.80E-04	0	6.6767	6.6767	1.40E-04	9.70E-04	6.9703
P.4 Build A Concrete Found	2027	Worker	4.29E-03	2.54E-03	0.0382	1.30E-04	0.0171	7.00E-05	0.0172	4.56E-03	6.00E-05	4.62E-03	0	12.0457	12.0457	2.60E-04	2.90E-04	12.1375
P.4 Build A Build Frame	2027	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.4 Build A Build Frame	2027	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.4 Build A Build Frame	2027	Vendor	1.40E-04	6.04E-03	1.82E-03	3.00E-05	9.10E-04	4.00E-05	9.40E-04	2.60E-04	3.00E-05	3.00E-04	0	2.5594	2.5594	5.00E-05	3.70E-04	2.6719
P.4 Build A Build Frame	2027	Worker	3.56E-03	2.11E-03	0.0318	1.00E-04	0.0142	6.00E-05	0.0143	3.78E-03	5.00E-05	3.84E-03	0	10.0046	10.0046	2.20E-04	2.40E-04	10.0809
P.4 Build A Build Frame	2028	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.4 Build A Build Frame	2028	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.4 Build A Build Frame	2028	Vendor	1.00E-05	5.20E-04	1.60E-04	0	8.00E-05	0	8.00E-05	2.00E-05	0	3.00E-05	0	0.2182	0.2182	0	3.00E-05	0.2278
P.4 Build A Build Frame	2028	Worker	2.90E-04	1.70E-04	2.64E-03	1.00E-05	1.24E-03	0	1.24E-03	3.30E-04	0	3.30E-04	0	0.8536	0.8536	2.00E-05	2.00E-05	0.8599
P.4 Build A Build Exterior	2028	Onsite	7.60E-04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.4 Build A Build Exterior	2028	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.4 Build A Build Exterior	2028	Vendor	1.00E-04	4.24E-03	1.28E-03	2.00E-05	6.40E-04	3.00E-05	6.70E-04	1.90E-04	2.00E-05	2.10E-04	0	1.7732	1.7732	4.00E-05	2.60E-04	1.851
P.4 Build A Build Exterior	2028	Worker	2.45E-03	1.42E-03	0.022	7.00E-05	0.0103	4.00E-05	0.0104	2.74E-03	4.00E-05	2.78E-03	0	7.1133	7.1133	1.50E-04	1.70E-04	7.1662
P.4 Build A Build Interior	2028	Onsite	0.7746	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.4 Build A Build Interior	2028	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.4 Build A Build Interior	2028	Vendor	2.20E-04	9.56E-03	2.88E-03	4.00E-05	1.45E-03	6.00E-05	1.51E-03	4.20E-04	5.00E-05	4.70E-04	0	4.0011	4.0011	9.00E-05	5.80E-04	4.1767
P.4 Build A Build Interior	2028	Worker	0.0104	6.00E-03	0.0932	3.10E-04	0.0436	1.70E-04	0.0438	0.0116	1.50E-04	0.0118	0	30.0949	30.0949	6.10E-04	7.00E-04	30.3184
Phase 5 - Saws Wing 1	2024	Onsite	0.0141	0.1086	0.1643	2.80E-04	0	4.97E-03	4.97E-03	0	4.97E-03	4.97E-03	0	24.1945	24.1945	1.15E-03	0	24.2233
Phase 5 - Saws Wing 1	2024	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 5 - Saws Wing 1	2024	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 5 - Saws Wing 1	2024	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 5 - Air Compressors	2024	Onsite	0.0732	0.1414	0.21	3.40E-04	0	7.07E-03	7.07E-03	0	7.07E-03	7.07E-03	0	29.6177	29.6177	1.67E-03	0	29.6594
Phase 5 - Air Compressors	2024	Hauling	0	1.30E-04	4.00E-05	0	1.00E-05	0	2.00E-05	0	0	0	0	0.0518	0.0518	0	1.00E-05	0.0543
Phase 5 - Air Compressors	2024	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 5 - Air Compressors	2024	Worker	2.04E-03	1.36E-03	0.0182	6.00E-05	6.90E-03	3.00E-05	6.93E-03	1.84E-03	3.00E-05	1.87E-03	0	5.1898	5.1898	1.40E-04	1.40E-04	5.2339
Phase 5 - Air Compressors	2025	Onsite	0.2161	0.3986	0.6296	1.03E-03	0	0.0179	0.0179	0	0.0179	0.0179	0	88.8532	88.8532	4.85E-03	0	88.9744
Phase 5 - Air Compressors	2025	Hauling	1.00E-05	3.90E-04	1.20E-04	0	4.00E-05	0	5.00E-05	1.00E-05	0	1.00E-05	0	0.1525	0.1525	1.00E-05	2.00E-05	0.1599
Phase 5 - Air Compressors	2025	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 5 - Air Compressors	2025	Worker	5.77E-03	3.67E-03	0.0513	1.60E-04	0.0207	9.00E-05	0.0208	5.51E-03	9.00E-05	5.59E-03	0	15.2036	15.2036	3.80E-04	3.80E-04	15.3275
Phase 5 - Air Compressors	2026	Onsite	0.1457	0.2688	0.4245	7.00E-04	0	0.0121	0.0121	0	0.0121	0.0121	0	59.9164	59.9164	3.27E-03	0	59.9981
Phase 5 - Air Compressors	2026	Hauling	1.00E-05	2.60E-04	8.00E-05	0	3.00E-05	0	3.00E-05	1.00E-05	0	1.00E-05	0	0.1008	0.1008	0	2.00E-05	0.1056
Phase 5 - Air Compressors	2026	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 5 - Air Compressors	2026	Worker	3.68E-03	2.26E-03	0.0327	1.10E-04	0.014	6.00E-05	0.014	3.71E-03	6.00E-05	3.77E-03	0	10.0231	10.0231	2.30E-04	2.50E-04	10.102
Phase 5 - Saws Wing 2	2025	Onsite	0.0133	0.1021	0.164	2.80E-04	0	4.18E-03	4.18E-03	0	4.18E-03	4.18E-03	0	24.1946	24.1946	1.06E-03	0	24.2212
Phase 5 - Saws Wing 2	2025	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 5 - Saws Wing 2	2025	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 5 - Saws Wing 2	2025	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 5 - Saws Wing 3	2025	Onsite	0.0133	0.1021	0.164	2.80E-04	0	4.18E-03	4.18E-03	0	4.18E-03	4.18E-03	0	24.1946	24.1946	1.06E-03	0	24.2212
Phase 5 - Saws Wing 3	2025	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 5 - Saws Wing 3	2025	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 5 - Saws Wing 3	2025	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 5 - Saws Wing 4	2026	Onsite	0.0133	0.1021	0.164	2.80E-04	0	4.18E-03	4.18E-03	0	4.18E-03	4.18E-03	0	24.1946	24.1946	1.06E-03	0	24.2212
Phase 5 - Saws Wing 4	2026	Hauling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 5 - Saws Wing 4	2026	Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phase 5 - Saws Wing 4	2026	Worker	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
2024	0.13	0.60	0.78	0.00	0.04	0.02	0.07	0.01	0.02	0.03
2025	0.33	1.25	1.84	0.00	0.08	0.05	0.14	0.02	0.05	0.07
2026	3.77	3.02	3.98	0.01	0.22	0.12	0.34	0.06	0.11	0.17
2027	0.66	0.66	0.85	0.00	0.08	0.02	0.10	0.02	0.02	0.04

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
2024	255.10	1202.84	1558.62	3.72	86.28	46.48	132.74	19.58	45.14	64.72
2025	663.00	2499.48	3683.50	7.24	167.26	102.78	270.16	44.70	99.34	144.02
2026	7539.44	6036.26	7957.66	16.30	434.02	236.58	670.96	117.08	222.80	339.82
2027	1317.60	1313.86	1695.34	3.98	156.98	49.10	206.32	40.50	45.74	86.28

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
2024	2.97	13.99	18.12	0.04	1.00	0.54	1.54	0.23	0.52	0.75
2025	2.54	9.58	14.11	0.03	0.64	0.39	1.04	0.17	0.38	0.55
2026	28.88	23.13	30.49	0.06	1.66	0.91	2.57	0.45	0.85	1.30
2027	6.86	6.84	8.83	0.02	0.82	0.26	1.07	0.21	0.24	0.45

	Start Date	End Date	Days
2024	9/3/2024	12/31/2024	86
2025	1/1/2025	12/31/2025	261
2026	1/1/2026	12/31/2026	261
2027	1/1/2027	9/27/2027	192

CalEEMod Inputs and Assumptions

acre	sq ft
1	43560

Project Characteristics	Input	Notes
Project Name	Saratoga Retirement Community Campus Expansion	
Project Location	Santa Clara County	Zip Code: 95070
Climate Zone	4	
Land Use Setting	Urban	
Construction Start Date	7/3/2023	
Operational Year	2024	
Utility	PG&E - 206 lbs/MWh	

Land Use

CalEEMod Land Use	Component	Dwelling Units/Spaces	Square Feet	Acreage
Retirement Community	Building A	22	35,898	0.41
Retirement Community	Building B	10	28,475	0.57
Retirement Community	Building C	20	41,715	0.42
Enclosed Parking Garage with Elevator	Building A - Below Grade Parking	34	16,879	*included above*
Enclosed Parking Garage with Elevator	Building B - At Grade and Below Grade Parking	64	31,710	*included above*
Enclosed Parking Garage with Elevator	Building C - At Grade and Below Grade Parking	77	25,899	*included above*
Place of Worship	Meeting Room Addition	-	4,792	0.11
Enclosed Parking Garage with Elevator	Meeting Room Parking	-	7,043	*included above*
Health Club	Fitness Center Addition	-	1,065	0.02
Asphalt Surfaces	New Amount of Asphalt Paving	-	25,118	0.58
Non-Asphalt Surfaces	Landscape Area	-	74,596	1.71

Construction Phases & Equipment	Start Date	End Date
25 months	7/3/2023	8/3/2025
Construction Work Days	5 days/week	

Phase	CalEEMod Phase	Duration (days)	Construction Start Date	Construction End Date	Equipment	Total Hrs	Avg Hours Per Day	HP	Fuel Type
Phase 0 (Utility Relocation Prep and Roadway Reconfiguration)	Site Prep	97	7/3/2023	11/15/2023	Cement and Mortar Mixers	40	0.41		*Electric*
					Excavators	520	5.36	273	
					Generator Sets	520	5.36	40.2	
					Graders	40	0.41	default	
					Soil Compactor	168	1.73	157	
					Pavers	24	0.25	74.8	
					Paving Equipment	24	0.25	74	
					Plate Compactors	24	0.25	9	
					Skid Steer Loaders	520	5.36	74.3	
Phase 1 (Building A) - Overall	Building Construction	370	7/3/2023	12/2/2024	Aerial Lifts	3680	9.95		*Electric*
					Air Compressors	15	0.04	49	
					Bore/Drill Rigs	240	0.65	100	
					Cement and Mortar Mixers	560	1.51		*Electric*
					Cranes	120	0.32	408	
					Dozer	400	1.08	215	
					Excavators	400	1.08	273	
					Forklifts	2760	7.46	110	
					Generator Sets	1240	3.35	40.2	
					Soil Compactor	40	0.11	157	
					Pavers	8	0.02	74.8	
					Paving Equipment	16	0.04	74	
					Rollers	16	0.04	74	
					Skid Steer Loaders	2020	5.46	74.3	
					Sweepers/Scrubbers	160	0.43	99	
					Welders	465	1.26	24.2	
Phase 1 (Building A) - Excavation and Offhaul	Grading	20	7/3/2023	7/31/2023					
Phase 1 (Building A) - Concrete Foundations/PT	Building Construction	92	8/1/2023	12/7/2023					
Phase 1 (Building A) - Building Frame	Building Construction	78	12/7/2023	3/25/2024					
Phase 1 (Building A) - Building Exterior	Paving	68	3/26/2024	6/28/2024					
Phase 1 (Building A) - Interiors	Architectural Coating	112	6/28/2024	12/3/2024					
Phase 1 (Fitness) - Overall	Building Construction	161	12/7/2023	7/19/2024	Aerial Lifts	3680	22.86		*Electric*
					Air Compressors	15	0.09	49	
					Cement and Mortar Mixers	560	3.48		Electric
					Cranes	120	0.75	408	
					Dozer	80	0.50	215	
					Excavators	80	0.50	273	
					Forklifts	2760	17.14	110	
					Generator Sets	1240	7.70	40.2	
					Soil Compactor	40	0.25	157	
					Pavers	8	0.05	74.8	
					Paving Equipment	16	0.10	74	
					Rollers	16	0.10	74	
					Skid Steer Loaders	2020	12.55	74.3	
					Sweepers/Scrubbers	160	0.99	99	
					Welders	465	2.89	24.2	
Phase 1 (Fitness) - Building Foundation	Building Construction	36	12/7/2023	1/26/2024					
Phase 1 (Fitness) - Building Framing	Building Construction	47	1/26/2024	4/2/2024					
Phase 1 (Fitness) - Building Exterior	Paving	37	4/3/2024	5/24/2024					
Phase 1 (Fitness) - Interiors	Architectural Coating	41	5/24/2024	7/22/2024					
Phase 2 (Building B) - Overall	Building Construction	368	2/2/2024	7/2/2025	Aerial Lifts	3760	10.22		*Electric*
					Air Compressors	15	0.04	49	
					Bore/Drill Rigs	320	0.87	100	
					Cement and Mortar Mixers	400	1.09		Electric
					Cranes	120	0.33	408	
					Dozer	600	1.63	215	
					Excavators	600	1.63	273	
					Forklifts	3540	9.62	110	
					Generator Sets	1720	4.67	40.2	
					Soil Compactor	40	0.11	157	
					Pavers	8	0.02	74.8	
					Paving Equipment	16	0.04	74	
					Rollers	16	0.04	74	
					Skid Steer Loaders	2480	6.74	74.3	
					Sweepers/Scrubbers	240	0.65	99	
					Welders	390	1.06	24.2	
Phase 2 (Building B) - Excavation and Offhaul	Grading	32	2/2/2024	3/19/2024					
Phase 2 (Building B) - Concrete Foundations/PT	Building Construction	139	3/20/2024	10/1/2024					
Phase 2 (Building B) - Building Frame	Building Construction	51	10/1/2024	12/11/2024					
Phase 2 (Building B) - Building Exterior	Paving	51	12/11/2024	2/20/2025					
Phase 2 (Building B) - Interiors	Architectural Coating	95	2/20/2025	7/3/2025					
Phase 3 (Building C) - Overall	Building Construction	454	11/16/2023	8/13/2025	Aerial Lifts	4320	9.52		*Electric*
					Air Compressors	15	0.03	49	
					Bore/Drill Rigs	240	0.53	100	
					Cement and Mortar Mixers	560	1.23		Electric
					Cranes	120	0.26	408	
					Dozer	600	1.32	215	
					Excavators	600	1.32	273	
					Forklifts	4010	8.83	110	
					Generator Sets	1840	4.05	40.2	
					Soil Compactor	40	0.09	157	
					Pavers	8	0.02	74.8	
					Paving Equipment	16	0.04	74	
					Rollers	16	0.04	74	
					Skid Steer Loaders	2080	4.58	74.3	
					Sweepers/Scrubbers	240	0.53	99	
					Welders	465	1.02	24.2	
Phase 3 (Building C) - Excavation and Offhaul	Grading	41	11/16/2023	1/12/2024					
Phase 3 (Building C) - Concrete Foundations/PT	Building Construction	135	1/12/2024	7/19/2024					
Phase 3 (Building C) - Building Frame	Building Construction	77	7/19/2024	11/5/2024					
Phase 3 (Building C) - Building Exterior	Paving	71	11/6/2024	2/13/2025					
Phase 3 (Building C) - Interiors	Architectural Coating	130	2/13/2025	8/14/2025					
Phase 3 (Meeting Hall) - Overall	Building Construction	176	12/11/2024	8/14/2025	Aerial Lifts	1760	10.00		*Electric*
					Air Compressors	15	0.09	49	
					Bore/Drill Rigs	320	1.82	100	
					Cement and Mortar Mixers	280	1.59		Electric
					Cranes	120	0.68	408	
					Dozer	440	2.50	215	
					Excavators	440	2.50	273	
					Forklifts	1560	8.86	110	
					Generator Sets	760	4.32	40.2	
					Soil Compactor	40	0.23	157	
					Pavers	8	0.05	74.8	
					Paving Equipment	16	0.09	74	
					Rollers	16	0.09	74	
					Skid Steer Loaders	2540	14.43	74.3	
					Sweepers/Scrubbers	160	0.91	99	
					Welders	315	1.79	24.2	
Phase 3 (Meeting Hall) - Excavation and Offhaul	Grading	21	12/11/2024	1/9/2025					
Phase 3 (Meeting Hall) - Concrete Foundations/PT	Building Construction	52	1/10/2025	3/25/2025					
Phase 3 (Meeting Hall) - Building Frame	Building Construction	27	3/23/2025	4/29/2025					
Phase 3 (Meeting Hall) - Building Exterior	Paving	36	5/1/2025	6/20/2025					
Phase 3 (Meeting Hall) - Interiors	Architectural Coating	40	6/20/2025	8/15/2025					
Phase 4 - Renovation	Architectural Coating		7/3/2023	7/3/2025	Air Compressors	-	8	default	
					Concrete Saws	-	8	default	

Cut/Fill and Haul and Worker Trips

CalEEMod Phase	Worker Trips	Haul Trucks	Haul Truck Trips	Trip Length (mi)	Deliveries + Concrete Trucks (Vendor)	Vendor Trips	Vendor Trips/Day	Vendor Trip Length
Phase 0 (Utility Relocation Prep and Roadway Reconfiguration)	34	0	0		0	0		*default*
Phase 1 (Building A) - Overall								
Phase 1 (Building A) - Excavation and Offhaul	34	296	592	10.2	20	40	2.00	*default*
Phase 1 (Building A) - Concrete Foundations/PT	48	0	0	10.2	343	686	7.46	*default*
Phase 1 (Building A) - Building Frame	52	0	0	10.2	150	300	3.85	*default*
Phase 1 (Building A) - Building Exterior	40	0	0	10.2	113	226	3.32	*default*
Phase 1 (Building A) - Interiors	100	0	0	10.2	220	440	3.93	*default*
Phase 1 (Fitness) - Overall	-							
Phase 1 (Fitness) - Building Foundation	48	4	8	10.2	60	120	3.33	*default*
Phase 1 (Fitness) - Building Framing	52	0	0	10.2	90	180	3.83	*default*
Phase 1 (Fitness) - Building Exterior	40	0	0	10.2	53	106	2.86	*default*
Phase 1 (Fitness) - Interiors	49	0	0	10.2	80	160	3.90	*default*
Phase 2 (Building B) - Overall	-							
Phase 2 (Building B) - Excavation and Offhaul	51	953	1906	10.2	30	60	1.88	*default*
Phase 2 (Building B) - Concrete Foundations/PT	72	0	0	10.2	594	1188	8.55	*default*
Phase 2 (Building B) - Building Frame	35	0	0	10.2	100	200	3.92	*default*
Phase 2 (Building B) - Building Exterior	31	0	0	10.2	90	180	3.53	*default*
Phase 2 (Building B) - Interiors	82	0	0	10.2	180	360	3.79	*default*
Phase 3 (Building C) - Overall	-							
Phase 3 (Building C) - Excavation and Offhaul	51	664	1328	10.2	30	60	1.46	*default*
Phase 3 (Building C) - Concrete Foundations/PT	67	0	0	10.2	417	834	6.18	*default*
Phase 3 (Building C) - Building Frame	52	0	0	10.2	150	300	3.90	*default*
Phase 3 (Building C) - Building Exterior	43	0	0	10.2	120	240	3.38	*default*
Phase 3 (Building C) - Interiors	113	0	0	10.2	250	500	3.85	*default*
Phase 3 (Meeting Hall) - Overall	-							
Phase 3 (Meeting Hall) - Excavation and Offhaul	34	115	230	10.2	20	40	1.90	*default*
Phase 3 (Meeting Hall) - Concrete Foundations/PT	27	0	0	10.2	283	566	10.88	*default*
Phase 3 (Meeting Hall) - Building Frame	17	0	0	10.2	50	100	3.70	*default*
Phase 3 (Meeting Hall) - Building Exterior	22	0	0	10.2	68	135	3.75	*default*
Phase 3 (Meeting Hall) - Interiors	37	0	0	10.2	80	160	4.00	*default*
Phase 4 - Renovation	20	10	20	10.2	0	0		*default*

Demolition Debris (tons)	719

Phase	Grading Material Export (CY)
1	10,842
2	17,778
3	8,491

Phase	Haul Truck Trips	Deliveries/Concrete (Vendor) Trips	Total
1	600	2258	2858
2	1906	1988	3894
3	1558	2935	4493
4	20	0	20
	2032		

Construction Mitigation	18.26
Watering twice per day	

Notes:
Project specific equipment for Phase 1 Building A. Hours account for total hours over phase.
Equipment included in overall phase
Operational emissions estimated in separate run.

	Total Trips	192 Trips/52 units		
Operations		199	3.692307692	
	Total Trips per Unit	3.826923077 *(conservatively increased to account for daily deliveries)*		
Mobile	WkDay Trip Rate	Sat Trip Rate	Sunday Trip Rate	
		3.826923077	3.7	3.7
Energy	default			
Solid Waste	default			
Water (Mgal)	Default outdoor water use reduced by 20% to account for WELO requirements.			
	38,423.97	7684.794	30,739.18	
	0	0	0.00	
	0	0	0.00	
	234,418.11	46883.622	187,534.49	
	2,135,918.93	427183.786	1,708,735.14	

Area: No wood stoves or wood fireplaces

CalEEMod Inputs and Assumptions

acre	sq ft
1	43560

Project Characteristics	Input	Notes
Project Name	Saratoga Retirement Community Campus Expansion Alt 1	
Project Location	Santa Clara County	Zip Code: 95070
Climate Zone	4	
Land Use Setting	Urban	
Construction Start Date	8/4/2025	
Operational Year	2031	
Utility	PG&E - 206 lbs/MWh	

Land Use

CalEEMod Land Use	Component	Dwelling Units/Spaces	Square Feet	Acreage
Retirement Community	Building D	52	93,200	2.14
Congregate Care - Assisted Living	Skilled Nursing Facility	40	39,893	0.92
Enclosed Parking Garage with Elevator	Building D - Below Grade Parking	119	35,000	*included above*
Enclosed Parking Garage with Elevator	Skilled Nursing Facility Below Grade Parking	77	29,250	*included above*
Health Club	Fitness Center Addition	-	1,065	0.02

Construction Phases & Equipment	Start Date	End Date
25 months	8/4/2025	7/31/2030
Construction Work Days	6 days/week	

Phase	CalEEMod Phase	Duration (days)	Construction Start Date	Construction End Date	Equipment	Total Hrs	Avg Hours Per Day	HP	Fuel Type
Phase 4 (Fitness) - Overall	Building Construction	161	4/1/2028	6/30/2030	Aerial Lifts	3680	22.86		*Electric*
					Air Compressors	15	0.09	49	
					Cement and Mortar Mixers	560	3.48		Electric
					Cranes	120	0.75	408	
					Dozer	80	0.50	215	
					Excavators	80	0.50	273	
					Forklifts	2760	17.14	110	
					Generator Sets	1240	7.70	40.2	
					Soil Compactor	40	0.25	157	
					Pavers	8	0.05	74.8	
					Paving Equipment	16	0.10	74	
					Rollers	16	0.10	74	
					Skid Steer Loaders	2020	12.55	74.3	
					Sweepers/Scrubbers	160	0.99	99	
					Welders	465	2.89	24.2	
Phase 4 (Building D) - Overall	Building Construction	585	4/1/2028	6/30/2030	Aerial Lifts		9.52		*Electric*
					Air Compressors		0.03	49	
					Bore/Drill Rigs		0.53	100	
					Cement and Mortar Mixers		1.23		Electric
					Cranes		0.26	408	
					Dozer		1.32	215	
					Excavators		1.32	273	
					Forklifts		8.83	110	
					Generator Sets		4.05	40.2	
					Soil Compactor		0.09	157	
					Pavers		0.02	74.8	
					Paving Equipment		0.04	74	
					Rollers		0.04	74	
					Skid Steer Loaders		4.58	74.3	
					Sweepers/Scrubbers		0.53	99	
					Welders		1.02	24.2	
Phase 1 (Skilled Nursing Facility)	Building Construction	630	8/4/2025	12/31/2027	Aerial Lifts		9.52		*Electric*
					Air Compressors		0.03	49	
					Bore/Drill Rigs		0.53	100	
					Cement and Mortar Mixers		1.23		Electric
					Cranes		0.26	408	
					Dozer		1.32	215	
					Excavators		1.32	273	
					Forklifts		8.83	110	
					Generator Sets		4.05	40.2	
					Soil Compactor		0.09	157	
					Pavers		0.02	74.8	
					Paving Equipment		0.04	74	
					Rollers		0.04	74	
					Skid Steer Loaders		4.58	74.3	
					Sweepers/Scrubbers		0.53	99	
					Welders		1.02	24.2	
Phase 3 (Demolition of Existing HC Building!) - Overall	Demolition		2/1/2028	3/30/2028	*defaults based on CalEEMod*				

Cut/Fill and Haul and Worker Trips

CalEEMod Phase	Worker Trips
Phase 4 (Fitness) - Overall	-
Phase 4 (Building D) - Overall	100
Phase 1 (Skilled Nursing Facility)	92
Phase 3 (Demolition of Existing HC Building!) - Overall	40

Phase	Grading Material Export (CY)	Haul Truck Trips	Vendor Trips	Daily Vendor Trips	Notes for Vendor Trips
1 Skilled Nursing Facility	6,380	1,328	1934	3	*same as Building C*
3 Demo of Existing HC Building	12,774	2,128			*Based on*
4 Building D and Fitness Center	22,728	2,841	*3908*	*6*	*default*

12774 CY of demo debris
3,066 tons

Based on average bulk densite of 0.24 tons of C&D per CY.

Alternative 1	Haul Trips Based on CY (One-Way)	Vendor Trips (One-Way)	Total Trips	Notes
Phase 1 Skilled Nursing Facility	1,328	1,934	3,262	Haul truck trips based on grading quantities, vendor trips based on 2 vendor trips per day for entire phase duration.
Phase 3 Demo of Existing HC Building	2,128	0	2,128	Haul truck trips based on demo quantities.
Phase 4 Building D and Fitness Center	2,841	3,908	6,749	Haul truck trips based on grading quantities, vendor trips based on 21 vendor trips per day for entire phase duration.

CalEEMod Inputs and Assumptions

acre	sq ft
1	43560

Project Characteristics	Input	Notes
Project Name	Saratoga Retirement Community Campus Expansion Alt 2	
Project Location	Santa Clara County	Zip Code: 95070
Climate Zone	4	
Land Use Setting	Urban	
Construction Start Date	7/3/2023	
Operational Year	2024	
Utility	PG&E - 206 lbs/MWh	

Land Use

CalEEMod Land Use	Component	Dwelling Units/Spaces	Square Feet	Acreage
Retirement Community	Building A	22	35,898	0.41
Retirement Community	Building C	20	41,715	0.42
Enclosed Parking Garage with Elevator	Building A - Below Grade Parking	34	16,879	*included above*
Enclosed Parking Garage with Elevator	Building B - At Grade and Below Grade Parking	64	31,710	*included above*
Enclosed Parking Garage with Elevator	Building C - At Grade and Below Grade Parking	77	25,899	*included above*
Place of Worship	Meeting Room Addition	-	4,792	0.11
Enclosed Parking Garage with Elevator	Meeting Room Parking	-	7,043	*included above*
Health Club	Fitness Center Addition	-	1,065	0.02
Asphalt Surfaces	New Amount of Asphalt Paving	-	25,118	0.58
Non-Asphalt Surfaces	Landscape Area	-	74,596	1.71

Construction Phases & Equipment	Start Date	End Date
25 months	7/3/2023	8/3/2025
Construction Work Days	5 days/week	

Phase	CalEEMod Phase	Duration (days)	Construction Start Date	Construction End Date	Equipment	Total Hrs	Avg Hours Per Day	HP	Fuel Type
Phase 0 (Utility Relocation Prep and Roadway Reconfiguration)	Site Prep	97	7/3/2023	11/15/2023	Cement and Mortar Mixers	40	0.41		*Electric*
					Excavators	520	5.36	273	
					Generator Sets	520	5.36	40.2	
					Graders	40	0.41	default	
					Soil Compactor	168	1.73	157	
					Pavers	24	0.25	74.8	
					Paving Equipment	24	0.25	74	
					Plate Compactors	24	0.25	9	
					Skid Steer Loaders	520	5.36	74.3	
Phase 1 (Building A) - Overall	Building Construction	370	7/3/2023	12/2/2024	Aerial Lifts	3680	9.95		*Electric*
					Air Compressors	15	0.04	49	
					Bore/Drill Rigs	240	0.65	100	
					Cement and Mortar Mixers	560	1.51		*Electric*
					Cranes	120	0.32	408	
					Dozer	400	1.08	215	
					Excavators	400	1.08	273	
					Forklifts	2760	7.46	110	
					Generator Sets	1240	3.35	40.2	
					Soil Compactor	40	0.11	157	
					Pavers	8	0.02	74.8	
					Paving Equipment	16	0.04	74	
					Rollers	16	0.04	74	
					Skid Steer Loaders	2020	5.46	74.3	
					Sweepers/Scrubbers	160	0.43	99	
					Welders	465	1.26	24.2	
Phase 1 (Building A) - Excavation and Offhaul	Grading	20	7/3/2023	7/31/2023					
Phase 1 (Building A) - Concrete Foundations/PT	Building Construction	92	8/1/2023	12/7/2023					
Phase 1 (Building A) - Building Frame	Building Construction	78	12/7/2023	3/25/2024					
Phase 1 (Building A) - Building Exterior	Paving	68	3/26/2024	6/28/2024					
Phase 1 (Building A) - Interiors	Architectural Coating	112	6/28/2024	12/3/2024					
Phase 1 (Fitness) - Overall	Building Construction	161	12/7/2023	7/19/2024	Aerial Lifts	3680	22.86		*Electric*
					Air Compressors	15	0.09	49	
					Cement and Mortar Mixers	560	3.48		Electric
					Cranes	120	0.75	408	
					Dozer	80	0.50	215	
					Excavators	80	0.50	273	
					Forklifts	2760	17.14	110	
					Generator Sets	1240	7.70	40.2	
					Soil Compactor	40	0.25	157	
					Pavers	8	0.05	74.8	
					Paving Equipment	16	0.10	74	
					Rollers	16	0.10	74	
					Skid Steer Loaders	2020	12.55	74.3	
					Sweepers/Scrubbers	160	0.99	99	
					Welders	465	2.89	24.2	
Phase 1 (Fitness) - Building Foundation	Building Construction	36	12/7/2023	1/26/2024					
Phase 1 (Fitness) - Building Framing	Building Construction	47	1/26/2024	4/2/2024					
Phase 1 (Fitness) - Building Exterior	Paving	37	4/3/2024	5/24/2024					
Phase 1 (Fitness) - Interiors	Architectural Coating	41	5/24/2024	7/22/2024					
Phase 2 (Building C) - Overall	Building Construction	454	11/16/2023	8/13/2025	Aerial Lifts	4320	9.52		*Electric*
					Air Compressors	15	0.03	49	
					Bore/Drill Rigs	240	0.53	100	
					Cement and Mortar Mixers	560	1.23		Electric
					Cranes	120	0.26	408	
					Dozer	600	1.32	215	
					Excavators	600	1.32	273	
					Forklifts	4010	8.83	110	
					Generator Sets	1840	4.05	40.2	
					Soil Compactor	40	0.09	157	
					Pavers	8	0.02	74.8	
					Paving Equipment	16	0.04	74	
					Rollers	16	0.04	74	
					Skid Steer Loaders	2080	4.58	74.3	
					Sweepers/Scrubbers	240	0.53	99	
					Welders	465	1.02	24.2	
Phase 2 (Building C) - Excavation and Offhaul	Grading	41	11/16/2023	1/12/2024					
Phase 2 (Building C) - Concrete Foundations/PT	Building Construction	135	1/12/2024	7/19/2024					
Phase 2 (Building C) - Building Frame	Building Construction	77	7/19/2024	11/5/2024					
Phase 2 (Building C) - Building Exterior	Paving	71	11/6/2024	2/13/2025					
Phase 2 (Building C) - Interiors	Architectural Coating	130	2/13/2025	8/14/2025					
Phase 2 (Meeting Hall) - Overall	Building Construction	176	12/11/2024	8/14/2025	Aerial Lifts	1760	10.00		*Electric*
					Air Compressors	15	0.09	49	
					Bore/Drill Rigs	320	1.82	100	
					Cement and Mortar Mixers	280	1.59		Electric
					Cranes	120	0.68	408	
					Dozer	440	2.50	215	
					Excavators	440	2.50	273	
					Forklifts	1560	8.86	110	
					Generator Sets	760	4.32	40.2	
					Soil Compactor	40	0.23	157	
					Pavers	8	0.05	74.8	
					Paving Equipment	16	0.09	74	
					Rollers	16	0.09	74	
					Skid Steer Loaders	2540	14.43	74.3	
					Sweepers/Scrubbers	160	0.91	99	
					Welders	315	1.79	24.2	
Phase 2 (Meeting Hall) - Excavation and Offhaul	Grading	21	12/11/2024	1/9/2025					
Phase 2 (Meeting Hall) - Concrete Foundations/PT	Building Construction	52	1/10/2025	3/25/2025					
Phase 2 (Meeting Hall) - Building Frame	Building Construction	27	3/23/2025	4/29/2025					
Phase 2 (Meeting Hall) - Building Exterior	Paving	36	5/1/2025	6/20/2025					
Phase 2 (Meeting Hall) - Interiors	Architectural Coating	40	6/20/2025	8/15/2025					
Phase 3 - Renovation	Architectural Coating		7/3/2023	7/3/2025	Air Compressors	-	8	default	
					Concrete Saws	-	8	default	

Cut/Fill and Haul and Worker Trips

CalEEMod Phase	Worker Trips	Haul Trucks	Haul Truck Trips	Trip Length (mi)	Deliveries + Concrete Trucks (Vendor)	Vendor Trips	Vendor Trips/Day	Vendor Trip Length
Phase 0 (Utility Relocation Prep and Roadway Reconfiguration)	34	0	0		0	0		*default*
Phase 1 (Building A) - Overall								
Phase 1 (Building A) - Excavation and Offhaul	34	296	592	10.2	20	40	2.00	*default*
Phase 1 (Building A) - Concrete Foundations/PT	48	0	0	10.2	343	686	7.46	*default*
Phase 1 (Building A) - Building Frame	52	0	0	10.2	150	300	3.85	*default*
Phase 1 (Building A) - Building Exterior	40	0	0	10.2	113	226	3.32	*default*
Phase 1 (Building A) - Interiors	100	0	0	10.2	220	440	3.93	*default*
Phase 1 (Fitness) - Overall	-					0		
Phase 1 (Fitness) - Building Foundation	48	4	8	10.2	60	120	3.33	*default*
Phase 1 (Fitness) - Building Framing	52	0	0	10.2	90	180	3.83	*default*
Phase 1 (Fitness) - Building Exterior	40	0	0	10.2	53	106	2.86	*default*
Phase 1 (Fitness) - Interiors	49	0	0	10.2	80	160	3.90	*default*
Phase 2 (Building C) - Overall	-		0			0		
Phase 2 (Building C) - Excavation and Offhaul	51	1070	2141	10.2	30	60	1.46	*default*
Phase 2 (Building C) - Concrete Foundations/PT	67	0	0	10.2	417	834	6.18	*default*
Phase 2 (Building C) - Building Frame	52	0	0	10.2	150	300	3.90	*default*
Phase 2 (Building C) - Building Exterior	43	0	0	10.2	120	240	3.38	*default*
Phase 2 (Building C) - Interiors	113	0	0	10.2	250	500	3.85	*default*
Phase 2 (Meeting Hall) - Overall	-		0			0		
Phase 2 (Meeting Hall) - Excavation and Offhaul	34	115	230	10.2	20	40	1.90	*default*
Phase 2 (Meeting Hall) - Concrete Foundations/PT	27	0	0	10.2	283	566	10.88	*default*
Phase 2 (Meeting Hall) - Building Frame	17	0	0	10.2	50	100	3.70	*default*
Phase 2 (Meeting Hall) - Building Exterior	22	0	0	10.2	68	135	3.75	*default*
Phase 2 (Meeting Hall) - Interiors	37	0	0	10.2	80	160	4.00	*default*
Phase 3 - Renovation	20	10	20	10.2	0	0		*default*

Demolition Debris (tons)	719

1	6,270
2	10,281
3	4,910

Phase	Haul Truck Trips (One-Way)	Deliveries/Concrete (Vendor) Trips (One-Way)	Total
1	600	2258	2858
2	2371	2935	5306
3	20	0	20

Construction Mitigation
Watering twice per day

8300	0.292150651
13610	0.47905667
6500	0.228792679
28410	21460 24% reduction in CY export compared to proposed project.

Notes:
Project specific equipment for Phase 1 Building A. Hours account for total hours over phase.
Equipment included in overall phase
Operational emissions estimated in separate run.

CalEEMod Inputs and Assumptions

acre	sq ft
1	43560

Project Characteristics	Input	Notes
Project Name	Saratoga Retirement Community Campus Expansion Alt 3	
Project Location	Santa Clara County	Zip Code: 95070
Climate Zone	4	
Land Use Setting	Urban	
Construction Start Date	9/2/2024	
Operational Year	2028	
Utility	PG&E - 203 lbs/MWh	

Land Use

CalEEMod Land Use	Component	Dwelling Units/Spaces	Square Feet	Acreage
Retirement Community	Building A	22	35,898	0.41
Retirement Community	Building C	20	41,715	0.42
Enclosed Parking Garage with Elevator	Building A - Below Grade Parking	34	16,879	*included above*
Enclosed Parking Garage with Elevator	Building C - At Grade and Below Grade Parking	77	25,899	*included above*
Retirement Community	Building D	12	21,251	0.40
Place of Worship	Meeting Room Addition	-	4,792	0.11
Enclosed Parking Garage with Elevator	Building D - At Grade Parking	32	13,683	*included above*
Single Family Home	Single Unit Cottage	1	2,200	0.05
Enclosed Parking Garage with Elevator	Meeting Room Parking	-	7,043	*included above*
Health Club	Fitness Center Addition	-	1,065	0.02
Asphalt Surfaces	New Amount of Asphalt Paving	-	25,118	0.58
Non-Asphalt Surfaces	Landscape Area	-	74,596	1.71

Construction Phases & Equipment	Start Date	End Date
25 months	9/2/2024	9/30/2028
Construction Work Days	5 days/week	

Phase	CalEEMod Phase	Duration (days)	Construction Start Date	Construction End Date	Equipment	Total Hrs	Avg Hours Per Day	HP	Fuel Type
Phase 1 (Utility Relocation Prep and Roadway Reconfiguration)	Site Prep	70	9/3/2024	12/9/2024	Cement and Mortar Mixers	40	0.57		*Electric*
					Excavators	520	7.43	273	
					Generator Sets	520	7.43	40.2	
					Graders	40	0.57	default	
					Soil Compactor	168	2.40	157	
					Pavers	24	0.34	74.8	
					Paving Equipment	24	0.34	74	
					Plate Compactors	24	0.34	9	
					Skid Steer Loaders	520	7.43	74.3	
Phase 1 (Building A) - Grading and Manor Parking	Grading	70	9/3/2024	12/9/2024	assume covered with equipment during utility equipment/roadway reconfiguration				
Phase 2 (Building C) - Overall	Building Construction	425	11/12/2024	6/29/2026	Aerial Lifts	4320	10.16		*Electric*
					Air Compressors	15	0.04	49	
					Bore/Drill Rigs	240	0.56	100	
					Cement and Mortar Mixers	560	1.32		Electric
					Cranes	120	0.28	408	
					Dozer	600	1.41	215	
					Excavators	600	1.41	273	
					Forklifts	4010	9.44	110	
					Generator Sets	1840	4.33	40.2	
					Soil Compactor	40	0.09	157	
					Pavers	8	0.02	74.8	
					Paving Equipment	16	0.04	74	
					Rollers	16	0.04	74	
					Skid Steer Loaders	2080	4.89	74.3	
					Sweepers/Scrubbers	240	0.56	99	
					Welders	465	1.09	24.2	
Phase 2 (Building C) - Excavation and Offhaul	Grading	30	11/12/2024	12/23/2024					
Phase 2 (Building C) - Concrete Foundations/PT	Building Construction	125	12/24/2024	6/16/2025					
Phase 2 (Building C) - Building Frame	Building Construction	75	6/17/2025	9/29/2025					
Phase 2 (Building C) - Building Exterior	Paving	70	9/30/2025	1/5/2026					
Phase 2 (Building C) - Interiors	Architectural Coating	125	1/6/2026	6/29/2026					
Phase 3 (Building D) - Overall	Building Construction	340	1/6/2026	4/26/2027	Aerial Lifts	3760	11.06		*Electric*
					Air Compressors	15	0.04	49	
					Bore/Drill Rigs	320	0.94	100	
					Cement and Mortar Mixers	400	1.18		Electric
					Cranes	120	0.35	408	
					Dozer	600	1.76	215	
					Excavators	600	1.76	273	
					Forklifts	3540	10.41	110	
					Generator Sets	1720	5.06	40.2	
					Soil Compactor	40	0.12	157	
					Pavers	8	0.02	74.8	
					Paving Equipment	16	0.05	74	
					Rollers	16	0.05	74	
					Skid Steer Loaders	2480	7.29	74.3	
					Sweepers/Scrubbers	240	0.71	99	
					Welders	390	1.15	24.2	
Phase 3 (Demo of Cottage)	Demolition	10	1/6/2026	1/19/2026	Concrete Industrial Saws	1	8.00	*default*	
					Tractors/Loaders/Backhoes	2	6.00	*default*	
					Rubber Tired Dozer	1	1	*default*	
Phase 3 (Building D) - Excavation and Offhaul	Grading	30	1/20/2026	3/2/2026					
Phase 3 (Building D) - Concrete Foundations/PT	Building Construction	90	3/3/2026	7/6/2026					
Phase 3 (Building D) - Building Frame	Building Construction	50	7/7/2026	9/14/2026					
Phase 3 (Building D) - Building Exterior	Paving	50	9/15/2026	11/23/2026					
Phase 3 (Building D) - Interiors	Architectural Coating	110	11/24/2026	4/26/2027					
Phase 3 (Meeting Hall) - Overall	Building Construction	170	1/6/2026	8/31/2026	Aerial Lifts	1760	10.35		*Electric*
					Air Compressors	15	0.09	49	
					Bore/Drill Rigs	320	1.88	100	
					Cement and Mortar Mixers	280	1.65		Electric
					Cranes	120	0.71	408	
					Dozer	440	2.59	215	
					Excavators	440	2.59	273	
					Forklifts	1560	9.18	110	
					Generator Sets	760	4.47	40.2	
					Soil Compactor	40	0.24	157	
					Pavers	8	0.05	74.8	
					Paving Equipment	16	0.09	74	
					Rollers	16	0.09	74	
					Skid Steer Loaders	2540	14.94	74.3	
					Sweepers/Scrubbers	160	0.94	99	
					Welders	315	1.85	24.2	
Phase 3 (Meeting Hall) - Excavation and Offhaul	Grading	20	1/6/2026	2/2/2026					
Phase 3 (Meeting Hall) - Concrete Foundations/PT	Building Construction	50	2/3/2026	4/13/2026					
Phase 3 (Meeting Hall) - Building Frame	Building Construction	25	4/14/2026	5/18/2026					
Phase 3 (Meeting Hall) - Building Exterior	Paving	35	5/19/2026	7/6/2026					
Phase 3 (Meeting Hall) - Interiors	Architectural Coating	40	7/7/2026	8/31/2026					
Phase 3 (Cottage) - Overall		120	1/6/2026	6/22/2026					
Phase 3 (Cottage) - Excavation and Offhaul	Grading	10	1/6/2026	1/19/2026	Graders	1	6.00		
					Dozer	1	6.00		
					Tractors/Loaders/Backhoes	1	7.00		
Phase 3 (Cottage) - Concrete Foundations/PT	Building Construction	20	1/20/2026	2/16/2026	Cranes	1	4.00		
					Forklifts	2	6.00		
					Tractors/Loaders/Backhoes	2	8.00		
Phase 3 (Cottage) - Building Frame	Building Construction	25	2/17/2026	3/23/2026	Cranes	1	4.00		
					Forklifts	2	6.00		
					Tractors/Loaders/Backhoes	2	8.00		
Phase 3 (Cottage) - Building Exterior	Paving	25	3/24/2026	4/27/2026	Cement and Mortar Mixers	4	6.00		
					Pavers	1	7.00		
					Rollers	1	7.00		
					Tractors/Loaders/Backhoes	1	7.00		
Phase 3 (Cottage) - Interiors	Architectural Coating	40	4/28/2026	6/22/2026	Air Compressors	1	6.00		
Phase 3 (Fitness) - Overall	Building Construction	155	1/6/2026	8/10/2026	Aerial Lifts	3680	23.74		*Electric*
					Air Compressors	15	0.10	49	
					Cement and Mortar Mixers	560	3.61		Electric
					Cranes	120	0.77	408	
					Dozer	80	0.52	215	
					Excavators	80	0.52	273	
					Forklifts	2760	17.81	110	
					Generator Sets	1240	8.00	40.2	
					Soil Compactor	40	0.26	157	
					Pavers	8	0.05	74.8	
					Paving Equipment	16	0.10	74	
					Rollers	16	0.10	74	
					Skid Steer Loaders	2020	13.03	74.3	
					Sweepers/Scrubbers	160	1.03	99	
					Welders	465	3.00	24.2	
Phase 3 (Fitness) - Building Foundation	Building Construction	35	1/6/2026	2/23/2026					
Phase 3 (Fitness) - Building Framing	Building Construction	45	2/24/2026	4/27/2026					
Phase 3 (Fitness) - Building Exterior	Paving	35	4/28/2026	6/15/2026					
Phase 3 (Fitness) - Interiors	Architectural Coating	40	6/16/2026	8/10/2026					
Phase 4 (Building A) - Overall	Building Construction	360	4/27/2027	9/11/2028	Aerial Lifts	3680	10.22		*Electric*
					Air Compressors	15	0.04	49	
					Bore/Drill Rigs	240	0.67	100	
					Cement and Mortar Mixers	560	1.56		Electric
					Cranes	120	0.33	408	
					Dozer	400	1.11	215	
					Excavators	400	1.11	273	
					Forklifts	2760	7.67	110	
					Generator Sets	1240	3.44	40.2	
					Soil Compactor	40	0.11	157	
					Pavers	8	0.02	74.8	
					Paving Equipment	16	0.04	74	
					Rollers	16	0.04	74	
					Skid Steer Loaders	2020	5.61	74.3	
					Sweepers/Scrubbers	160	0.44	99	
					Welders	465	1.29	24.2	
Phase 4 (Building A) - Excavation and Offhaul	Grading	20	4/27/2027	5/24/2027					
Phase 4 (Building A) - Concrete Foundations/PT	Building Construction	90	5/25/2027	9/27/2027					
Phase 4 (Building A) - Building Frame	Building Construction	75	9/28/2027	1/10/2028					
Phase 4 (Building A) - Building Exterior	Paving	65	1/11/2028	4/10/2028					
Phase 4 (Building A) - Interiors	Architectural Coating	110	4/11/2028	9/11/2028					
Phase 5 - Renovation	Architectural Coating		9/1/2024	9/30/2026	Air Compressors	-	8	default	
					Concrete Saws	-	8	default	

Cut/Fill and Haul and Worker Trips

CalEEMod Phase	Worker Trips	Haul Trucks	Haul Truck Trips	Trip Length (mi)	Deliveries + Concrete Trucks (Vendor)	Vendor Trips	Vendor Trips/Day	Vendor Trip Length
Phase 1 (Utility Relocation Prep and Roadway Reconfiguration)	34	0	-	-	0	0	0	*default*
Phase 1 (Building A) - Grading and Manor Parking		219	438	10.2	0	0	0	-
Phase 2 (Building C) - Overall	-					0		
Phase 2 (Building C) - Excavation and Offhaul	51	664	1,328	10.2	30	60	2	*default*
Phase 2 (Building C) - Concrete Foundations/PT	67	-	-		417	834	7	*default*
Phase 2 (Building C) - Building Frame	52	-	-		150	300	4	*default*
Phase 2 (Building C) - Building Exterior	43	-	-		120	240	3	*default*
Phase 2 (Building C) - Interiors	113	-	-		250	500	4	*default*
Phase 3 (Building D) - Overall								*default*
Phase 3 (Demo of Cottage)	10	26	51	10.2	0	0		*default*
Phase 3 (Building D) - Excavation and Offhaul	34	542	1,084	10.2	20	40	1	*default*
Phase 3 (Building D) - Concrete Foundations/PT	48	-	-	-	343	686	8	*default*
Phase 3 (Building D) - Building Frame	52	-	-	-	150	300	6	*default*
Phase 3 (Building D) - Building Exterior	40	-	-	-	113	226	5	*default*
Phase 3 (Building D) - Interiors	100	-	-	-	220	440	4	*default*
Phase 3 (Meeting Hall) - Overall	-					0		
Phase 3 (Meeting Hall) - Excavation and Offhaul	34	115	230	10.2	20	40	2	*default*
Phase 3 (Meeting Hall) - Concrete Foundations/PT	27	-	-	-	283	566	11	*default*
Phase 3 (Meeting Hall) - Building Frame	17	-	-	-	50	100	4	*default*
Phase 3 (Meeting Hall) - Building Exterior	22	-	-	-	68	136	4	*default*
Phase 3 (Meeting Hall) - Interiors	37	-	-	-	80	160	4	*default*
Phase 3 (Fitness) - Overall	-					0		
Phase 3 (Fitness) - Building Foundation	48	4.00	8	10.2	60	120	3	*default*
Phase 3 (Fitness) - Building Framing	52	-	-	-	90	180	4	*default*
Phase 3 (Fitness) - Building Exterior	40	-	-	-	53	106	3	*default*
Phase 3 (Fitness) - Interiors	49	-	-	-	80	160	4	*default*
Phase 3 (Cottage) - Overall								
Phase 3 (Cottage) - Excavation and Offhaul	5	22.50	45	10.2	-	20	2	*default*
Phase 3 (Cottage) - Concrete Foundations/PT	8	-	-	-	-	40	2	*default*
Phase 3 (Cottage) - Building Frame	6	-	-	-	-	-	-	*default*
Phase 3 (Cottage) - Building Exterior	18	-	-	-	-	-	-	*default*
Phase 3 (Cottage) - Interiors	6	-	-	-	-	-	-	*default*
Phase 4 (Building A) - Overall								
Phase 4 (Building A) - Excavation and Offhaul	34	296	592	10.2	20	40	1	*default*
Phase 4 (Building A) - Concrete Foundations/PT	48	-	-	-	343	686	8	*default*
Phase 4 (Building A) - Building Frame	52	-	-	-	150	300	4	*default*
Phase 4 (Building A) - Building Exterior	40	-	-	-	113	226	3	*default*
Phase 4 (Building A) - Interiors	100	-	-	-	220	440	4	*default*
Phase 5 - Renovation	20	10	20	10.2	0	0		*default*

Demolition Debris (CY) - Cottage/Surface Parking 410 CY

205 tons

Grading Quantities

Phase	Cut	Fill
Building A	8,400	270.00
Building C	6,980	600.00
Building D	8,400	270.00
Meeting Room	550	430.00
Fitness Center	170	-
Cottage & Surface Parking	240	120.00
Manor Circle Parking	2,500	1,000.00

*replaced with Building A earthwork

Phase	Haul Truck Trips	Deliveries/Concrete (V	Total
1	438	0	438
2	1,328	1934	3262
3	1,418	3320	4738
4	592	1692	2284
5	20	0	20