AIR QUALITY IMPACT ASSESSMENT

City of Gilroy

Amazon Data Services, Inc. > Gilroy, CA
Gilroy Data Center

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1. EXECUTIVE SUMMARY

Trinity Consultants, Inc. (Trinity) has prepared an air quality and greenhouse gas (GHG) impact assessment, collectively referred to as the Air Quality Impact Assessment (AQIA), to evaluate potential impacts associated with the proposed construction and operation of the Gilroy Data Center (GDC) (the Project) proposed by Amazon Data Services, Inc., wholly owned by Amazon.com, Inc. (the Applicant).
The GDC will be located within the jurisdiction of the Bay Area Air Quality Management District (BAAQMD), as such, the AQIA was prepared in accordance with the standards, procedures, and methodologies established in the BAAQMD CEQA Air Quality Guidelines, dated April 2022, and the California Natural Resources Agency's CEQA Guidelines (BAAQMD, 2022b, and California Natural Resources Agency, 2019).

The Project will include a total of 27 diesel-fired emergency generators that will be used exclusively to provide backup power generation to support the GDC, located at Camino Arroyo in Gilroy, California. Twenty-five (25) of the emergency generators will be 3,634 brake horsepower (bhp) each, herein referred to as critical backup generators. One of the emergency generators will be a smaller generator rated at 900 bhp to support fire suppression and other emergency operations, herein referred to as the life safety generator. One of the emergency generators will be a smaller generator rated at 280 bhp to support a security building. The emergency generators are designed to operate only when electricity from Pacific Gas and Electric Company (PG&E) is unavailable to the GDC.

The proposed Project comprises two primary phases: Phase I and Phase II. Phase I will include the installation of the 25 critical backup generators and one life safety generator to support the GDC western building. Phase I will also include the installation of a security building generator which will be located adjacent to the site security building. Phase II is planned to use alternative backup generation technologies to avoid the use of diesel-fired generators. At this time, it appears that battery storage and non-pipeline fuel cell technologies, which would not involve direct emissions of criteria pollutants or GHGs, have the best potential for achieving the needed reliability requirements. Construction emissions from the creation of the GDC will result from ground preparation, grading activities, building erection, parking lot construction activities, use of onsite construction equipment, and architectural coating.

CEQA requires that a lead agency evaluate the potential air pollutant and GHG emissions of a project and determine whether the emissions would result in a significant impact on the environment. The AQIA evaluates the potential emissions related to the proposed Project through individual calculations of air emissions for the proposed Project as well as a discussion of existing air quality and GHG conditions associated with the proposed project location. Emissions are evaluated for the construction phase and operational phase of the GDC, consistent with the BAAQMD CEQA Air Quality Guidelines. Sources of emissions from the Project include:

- Various construction equipment (construction phase)
- 25 critical backup generators (operational phase)
- 1 life safety generator (operational phase)
- 1 security building generator (operational phase)

The proposed Project would result in emissions of reactive organic gases (ROG) or volatile organic compounds (VOC), carbon monoxide (CO), nitrogen oxides (NO_x), sulfur oxides (SO_x), particulate matter (PM_{10} and $PM_{2.5}$), and GHGs. Table 1-1 summarizes the construction phase emissions and Table 1-2 summarizes the operational phase emissions associated with the proposed Project and comparison to the BAAQMD thresholds of significance, as provided in the BAAQMD CEQA Air Quality Guidelines. The AQIA provides substantial evidence that emissions resulting from the Project would be below the BAAQMD's

thresholds of significance and would result in *less than significant* impacts associated with criteria air pollutant and GHG emissions, except for NO_x.

For the construction phase of the Project, NO_x emissions result from the operation of various mobile construction equipment and vehicular sources. The Applicant will incorporate Mitigation Measure AQ-1, which includes the use of several Tier 4 Final construction equipment units to reduce NO_x emissions during the construction phase. During the construction of the Phase II building exterior, the Applicant will incorporate Mitigation Measure AQ-2 to reduce offsite NO_x concentration impacts, resulting in a *less than significant impact with mitigation incorporated*.

Table 1-1: Project Construction Emissions Summary and Comparison to Significance Thresholds

Activity	Pollutant								
	Fugitive PM_{10} [a]	Fugitive $PM_{2.5}$ [a]	PM_{10}	$PM_{2.5}$	CO	NO_x	ROG/ VOC	SO_2	CO_2e
	Maximum Pounds per Day (lb/day)								
Unmitigated Construction Emissions	4.57	1.45	6.35	3.37	74.9	62.2	50.74	0.16	For this analysis and comparison to thresholds, GHG emissions are calculated on an annual basis only.
Mitigated Construction Emissions	4.58	1.45	6.16	3.18	77.7	48.5	47.6	0.16	
Significance Threshold	*N/A*	*N/A*	*82*	*54*	*N/A*	*54*	*54*	*N/A*	
Significant Impact?	*No*	*No*	*No*	*No*	*No*	*No*	*No*	*No*	
Activity	**Maximum Tons per Year (tpy) [b]**								**Metric Tons per Year (MT/yr)**
Total Unmitigated Construction Emissions	0.60	0.19	0.83	0.44	9.73	8.1	6.6	0.02	1,930
Total Mitigated Construction Emissions	0.60	0.19	0.80	0.41	10.10	6.30	6.19	0.02	1,892
Significance Thresholds [c]	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*
Significant Impact?	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*

a. Fugitive emissions will be controlled with best management practices, in accordance with the significance threshold.
b. Construction emissions represent the maximum mitigated emissions based on 260 total weekdays per year.
c. There are no annual construction-related thresholds of significance.

For the operational phase of the Project, criteria pollutant and GHG emissions will result from routine operation of the 27 generators. Estimated annual average emergency operations are also included for comparison of the Project's emissions to the BAAQMD CEQA Thresholds of Significance, which conservatively include 7 annual hours of emergency operation. The Applicant will incorporate Mitigation Measure AQ-3 to reduce offsite NO_x concentration impacts from routine testing and maintenance operations, resulting in a *less than significant impact with mitigation incorporated*.

Table 1-2: Project Air Quality Operational Emissions Comparison to Significance Thresholds

Activity	Pollutant					
	PM_{10}	$PM_{2.5}$	CO	NO_X	ROG/ VOC	SO_2
	Pounds per Day (lb/day)					
Generator Operational Emissions (Testing and Maintenance and Estimated Emergency)	0.38	0.38	9.44	2.55	11.26	0.10
Significance Threshold	*82*	*54*	[see note a]	*54*	*54*	*N/A*
Significant Impact?	*No*	*No*	*No*	*No*	*No*	*No*
Activity	**Tons per Year (tpy)**					
Generator Operational Emissions (Testing and Maintenance and Estimated Emergency)	0.07	0.07	1.72	0.46	2.06	0.02
Stationary Source Significance Thresholds	*15*	*10*	[see note a]	*10*	*10*	*N/A*
Significant Impact?	*No*	*No*	*No*	*No*	*No*	*No*

a. CO is evaluated in this AQIA based on ambient air concentrations rather than emissions quantity.

For the land use climate impacts of the Project, GHG emissions will result from the building, mobile operations, and area use. The Applicant will incorporate Mitigation Measure GHG-1 to eliminate indirect GHG emissions from electricity usage and Mitigation Measure GHG-2 to reduce GHG emissions from the Project's vehicle miles traveled (VMT), resulting in a *less than significant impact with mitigation incorporated*.

Table 1-3: Project Climate Operational Emissions Summary and Comparison to Significance Thresholds

Stationary Source Activity	Annual GHG Emissions (MT/year)			
	CO_2	CH_4	N_2O	CO_{2e}
Generator Testing and Maintenance and Estimated Annual Average Emergency Operation	1,566	2	4	1,572
Total Stationary Source Operational Emissions	**1,566**	**2**	**4**	**1,572**
Significance Threshold	*N/A*	*N/A*	*N/A*	*10,000*
Significant Impact?	*N/A*	*N/A*	*N/A*	*No*
Land Use Activity	**Annual GHG Emissions (MT/year)**			
	CO_2	CH_4	N_2O	CO_{2e}
Area	0.01	0.00	0.00	0.01
Energy (Unmitigated)	80,240.25	12.98	1.57	81,034
Energy (GHG-1 Mitigations)	(-80,240.25)	(-12.98)	(-1.57)	(-81,034)
Mobile (Unmitigated)	799.15	0.04	0.03	809.39
Mobile (VMT Reductions Mitigations) [a]	(-73.94)	(-0.004)	(-0.003)	(-74.89)
Mobile (GHG-2 Mitigations)	(-58.07)	(-0.003)	(-0.002)	(-58.81)
Waste	110.37	6.52	0.00	273.45
Water	32.17	3.30	0.08	138.03
Total Land Use Emissions (Unmitigated)	**81,182**	**22.84**	**1.68**	**82,255**
Total Land Use Emissions (Mitigated)	**810**	**9.85**	**0.11**	**1,087**
Significance Threshold [b]	*N/A*	*N/A*	*N/A*	*N/A*
Significant Impact?	*N/A*	*N/A*	*N/A*	*N/A*

a. Represents the difference in GHG emissions from the Project's unmitigated 19.13 VMT to the 17.36 VMT achieved assuming implementation of all VMT reduction measures feasible for the Project.

b. There are no quantity-based thresholds of significance for land use GHG emissions.

The AQIA includes air dispersion modeling analyses for emissions of CO, NO_x, PM_{10}, $PM_{2.5}$, and SO_X from the construction phase of Phase II (including operation of construction equipment and 27 generators) and the operation phase (including operation of all 27 generators). Air dispersion modeling results are compared to the National Ambient Air Quality Thresholds (NAAQS) and California Ambient Air Quality Standards (CAAQS). Air dispersion modeling results, with the incorporation of Mitigation Measure AQ-2 and Mitigation Measure AQ-3, suggest that the proposed Project would result in a *less than significant impact with mitigation incorporated*.

The AQIA also evaluates the potential health risks associated with emissions of diesel particulate matter (DPM) and ammonia from the construction phase and operational phase of the Project, consistent with the AAQS modeling representation. AERMOD dispersion modeling software and the Hotspots Analysis and Reporting Program (HARP) are used to estimate carcinogenic, chronic, and acute health risk at residential, worker, and sensitive receptors as a result of the DPM and ammonia emissions. The analysis concludes that the Project individual and cumulative health risk is below BAAQMD's thresholds of significance for Risk and Hazards and therefore would result in a *less than significant* impact.

Table 1-5 below summarizes the checklist questions from Appendix G of the California state CEQA Guidelines for air quality and GHG impacts and the impact results for the proposed Project (California Natural Resources Agency, 2019).

Table 1-4: Environmental Impact Significance Determinations

Air Quality				
Would the project:	**Potentially Significant Impact**	**Less than Significant with Mitigation Incorporated**	**Less than Significant Impact**	**No Impact**
a. Conflict with or obstruct implementation of the applicable air quality plan?		**X**		
b. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non- attainment under an applicable Federal or State ambient air quality standard?		**X**		
c. Expose sensitive receptors to substantial pollutant concentrations?			**X**	
d. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?			**X**	
Greenhouse Gas Emissions				
a. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?		**X**		
b. Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?		**X**		

2. PROJECT DESCRIPTION

2.1 Introduction

This AQIA evaluation was prepared to evaluate potential air quality and GHG impacts associated with the proposed construction of the Project proposed by the Applicant. The City of Gilroy is the lead agency for this AQIA. The GDC will be located within the jurisdiction of the BAAQMD, as such, this AQIA was prepared in accordance with the standards, procedures, and methodologies established in the BAAQMD CEQA Air Quality Guidelines, dated April 2022, and the California Natural Resources Agency's CEQA Guidelines.

2.2 General Facility Background

The site was previously used for agricultural production and is now awaiting industrial development. The site is near the Highway 101 corridor and immediately adjacent to industrial and commercial development. The topography is flat and the site is bounded by active agricultural lands to the east, active agricultural land and existing urban development to the south, existing urban development and Arroyo Circle to the west, and existing urban development to the north.

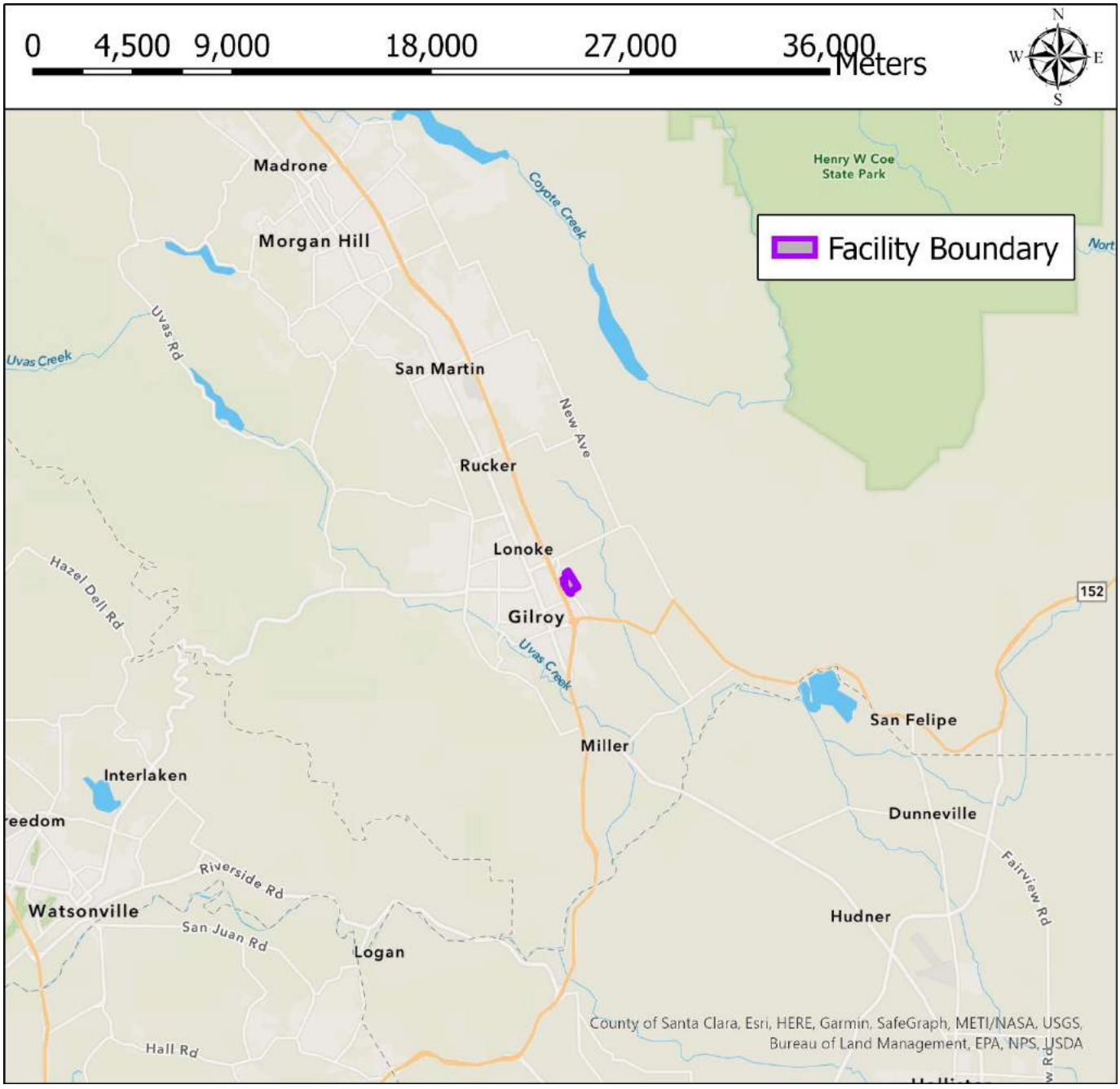


Figure 2-1: Regional Location

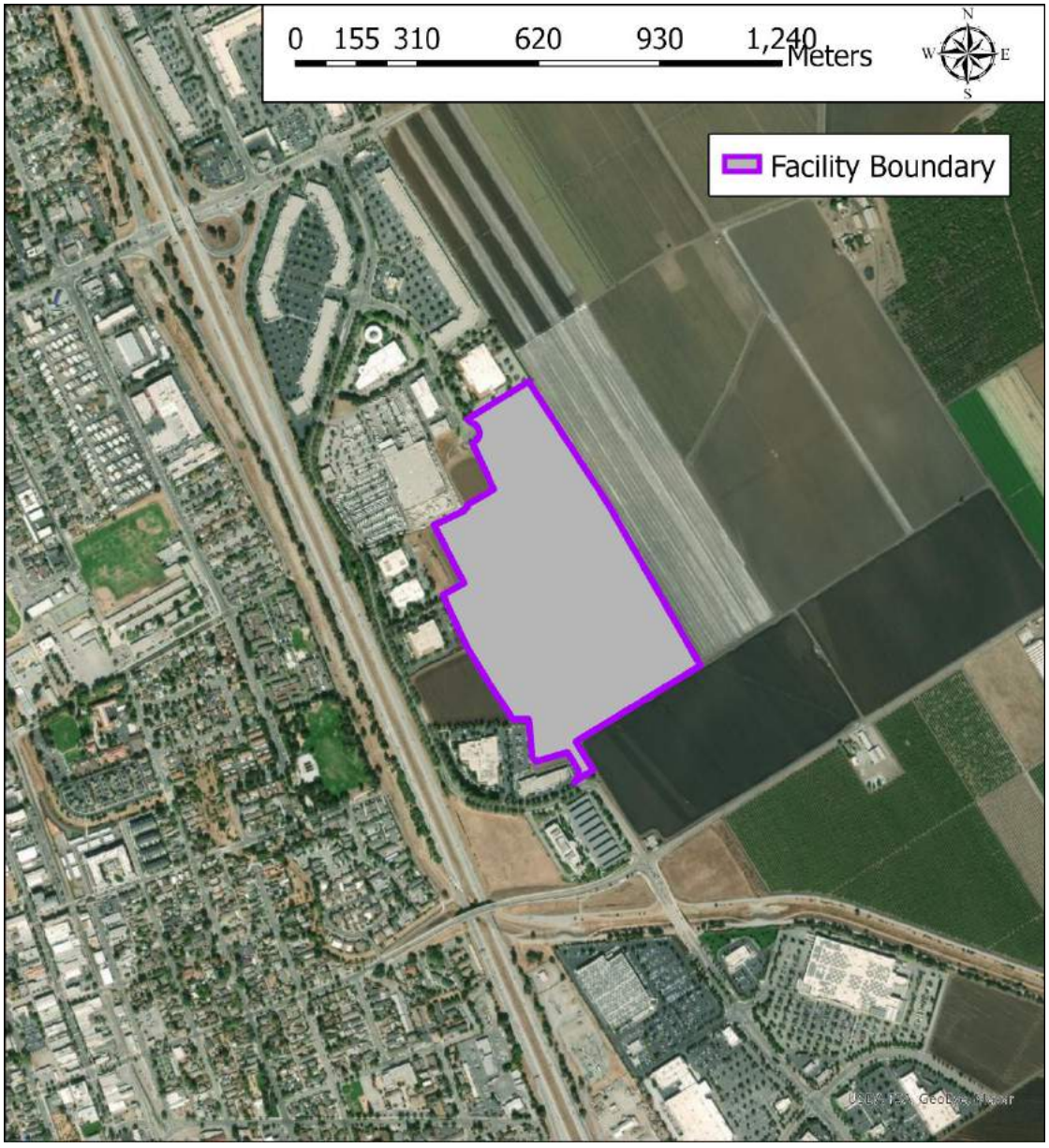


Figure 2-2: Surrounding Local Area

2.3 Project Description

2.3.1 Generator Yard Site Arrangement and Layout

The emergency generators will be exclusively used to provide emergency electricity to the GDC located at Camino Arroyo in Gilroy, California (Assessor's Parcel Number 841-69-039). See Figure 2-1 for the regional location and Figure 2-2 for the surrounding local area. The GDC will be comprised of two data center buildings and one on-campus security building totaling approximately 438,500 square feet. The generators will be located at the site in the generation yard which will be adjacent to the building it serves.

The GDC will be equipped with 27 diesel-fueled emergency generators. Twenty-five (25) generators will be rated at 3,634 bhp each to support the need for the GDC to provide an uninterruptible power supply to the

facility's servers when utility power is unavailable, herein referred to as critical backup generators. One generator will be rated at 900 bhp to support fire suppression and other emergency operations, herein referred to as life safety generator or house power generator. One generator rated at 280 bhp will support the security building when utility power is unavailable, herein referred to as the security building generator. The proposed site occupies approximately 56 acres.

All critical backup generators will be constructed at ground level. Each critical backup generator is provided with a diesel belly fuel tank with a storage capacity of 5,000 gallons and a urea storage tank to support the selective catalytic reduction (SCR) abatement device. The life safety generator will have a belly fuel tank with a storage capacity of 1,000 gallons. The security building generator will also have a belly fuel tank with a storage capacity of 1,000 gallons. The generation yard will be electrically interconnected to the building it serves through above ground cable bus to a location within the building that houses electrical distribution equipment. The life safety generator and security building generator will connect to their respective buildings via underground conduit duct bank.

2.3.2 Electrical Generation Equipment

The twenty-five critical backup generators will be 3,634 bhp, Caterpillar Model 3516C, Tier 4F-compliant emergency diesel-fired generators. The critical backup generators will be equipped with a Rypos HDPF/C abatement device which consists of a diesel particulate filter (DPF) and a downstream diesel oxidation catalyst (DOC). In addition, the critical backup generators will be equipped with a selective catalytic reduction system (SCR). The SCR will use urea stored in an associated urea tank integral to the generator set. The life safety generator will be a 900 bhp, Caterpillar Model C-18, Tier 2 emergency diesel-fired generator equipped with a Rypos HDPF/C DPF. The security building generator will be a 280 bhp, Caterpillar model C7.1, Tier 3 emergency diesel-fired generator.

The DPF for the critical backup generator model and life safety generator model is verified by the California Air Resources Board (CARB) for model years 1996 through 2020 under Executive Order DE-07-001-08 to reduce emissions of diesel particulate matter by 85% or more (CARB, 2020a). It is expected that the DPF will be verified for carryover model year engines in the forthcoming updated executive order. The Executive Order specifically notes the DPF is designed for standby engines, which typically operate at various loads. Furthermore, the Executive Order notes that duty cycles of the standby engines which are approved under the Executive Order are reviewed to ensure the DPF is compatible at all duty loads. The CARB Executive Order is provided in Appendix A-1. Specification sheets from the generator manufacturers are provided in Appendix A-1. The proposed Miratech AT-IV technical data specifications are provided in Appendix A-1. The generators will use ultra-low sulfur diesel which has a sulfur content of 0.0015% as defined under 40 CFR 80, Subpart I. The generators will each be equipped with a flapper-type rain cap which is a hinged cap that opens to release exhaust vertically into the atmosphere when the generator is operating.

2.3.3 Facility Operation

The generators will be run for short periods for testing and maintenance purposes and otherwise will not operate unless there is a disturbance or interruption of the utility supply. BAAQMD Rule 9-8 *Nitrogen Oxide Oxides and Carbon Monoxide from Stationary Internal Combustion Engines* and the CARB Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines limits each engine to no more than 50 hours of operation annually for testing and maintenance purposes (CARB, 2011).

Table 2-1 below summarizes the routine maintenance and testing schedule for each of the critical backup generators. The volume of fuel consumption at each load is provided by the manufacturer specification sheets in Appendix A-1, under "Fuel Consumption" in the Package Performance Data section. Note that for monthly readiness testing, the generators are tested using a load bank such that the Miratech AT-IV abatement package will heat to the appropriate temperature to achieve Tier 4F emission standards.

Table 2-1: Critical Backup Generator Testing and Maintenance Events

Event	Frequency	Maximum Duration (min)	Maximum Number of Generators Tested Concurrently [a]	Maximum Number of Generators Tested per Day [a]	Typical Load Range	Fuel Consumption per Event
Readiness Testing	Monthly	80	1	18	50%	Approximately 131.2 gallons
Generator Maintenance and Testing	Annual	120	1	1	25% for 30 min. 50% for 30 min. 100% for 1 hour	Approximately 248 gallons
	3 years					
	6 years					

a. The Applicant proposes to limit operation to one generator at a time for routine maintenance and testing activities conducted pursuant to manufacturer specifications.

Any electricity generated during maintenance and testing of the generators will be directed to a load bank, which is a device that develops electrical load and then converts or dissipates the power output of the generators by applying that load. In other words, the load bank uses the energy generated by the emergency generators to test the generators, without any electricity entering the electrical transmission grid.

2.4 Project Phasing and Construction

Construction of the Project will take place in two phases. Phase I will include the installation of 25 critical backup generators and one life safety generator to support the GDC western building as well as one security building generator to support the security building on the north side of the property. Phase I will also include construction of the substation on the western edge of the site property. Phase II is planned to use alternative backup generation technologies to avoid the use of diesel-fired generators. At this time, it appears that battery storage or non-pipeline fuel cell technologies, which would not involve direct emissions of criteria pollutants or GHGs, have the best potential for achieving the needed reliability requirements.

Construction emissions from the construction of the GDC will result from ground preparation, grading activities, building erection, parking lot construction activities, use of onsite construction equipment, and architectural coating. The Project's offsite construction emissions will result primarily from materials transport to and from the site, materials placement in the generation yard, and worker travel.

Construction of the generation yard to support the Phase I GDC Building is anticipated to begin in April 2024. Phase I exterior construction is expected to take approximately 11 months. Additional Phase I interior construction activities are expected to take approximately 25 months following exterior construction. Phase II exterior construction is assumed to occur immediately following completion of the first generation yard and the substation and to take approximately 10 months. Additional Phase II interior construction activities are expected to take approximately 30 months following exterior construction. Note that construction emissions calculated in this AQIA encompass both exterior and interior construction.

Provided below is an overview of the local and regional air quality environment, the physical setting of the Project area, a discussion of GHGs and global climate change, and existing regulations related to air quality and GHGs.

3.1 Introduction

The Project site is located in the Santa Clara County within the incorporated areas of the City of Gilroy and within the boundaries of the San Francisco Bay Area Air Basin (Bay Area Air Basin). The Bay Area Air Basin encompasses all of Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, and Santa Clara Counties; the southwestern portion of Solano County; and the southern portion of Sonoma County. The BAAQMD acts as the regulatory agency for air pollution control in the Bay Area Air Basin and is the local agency empowered to regulate air pollutant emissions for the proposed Project area.

The BAAQMD develops and adopts Air Quality Management Plans (AQMPs), which serve as a blueprint to bring the Bay Area Air Basin into compliance with federal and state clean air standards and adopts rules to reduce emissions from various sources, including specific types of equipment, activities, processes, and products.

3.2 Environmental Setting

3.2.1 Climate and Meteorology

Air quality is a function of both the rate and location of pollutant emissions under the influence of meteorological conditions and topographic features that influence pollutant movement and dispersion. Atmospheric conditions such as wind speed, wind direction, atmospheric stability, and air temperature gradients interact with the physical features of the landscape to determine the movement and dispersion of air pollutants and consequently affect air quality (Abbott, 2003).

The climate of the San Francisco Bay Area is determined largely by a high-pressure system that is almost always present over the eastern Pacific Ocean off the West Coast of North America. High-pressure systems are characterized by an upper layer of dry air that warms as it descends, restricting the mobility of cooler marine-influenced air near the ground surface and resulting in the formation of subsidence inversions. In winter, the Pacific high-pressure system shifts southward, allowing storms to pass through the region. During summer and fall, emissions generated within the San Francisco Bay Area can combine with abundant sunshine under the restraining influences of topography and subsidence inversions to create conditions that are conducive to the formation of photochemical pollutants such as ozone (O_3) (Abbott, 2003).

More specifically, the Project area is located in the Santa Clara Valley climatological subregion. The BAAQMD CEQA Air Quality Guidelines characterizes the Santa Clara Valley as:

"…bounded by the Bay to the north and by mountains to the east, south and west. Temperatures are warm on summer days and cool on summer nights, and winter temperatures are fairly mild. At the northern end of the valley, mean maximum temperatures are in the low-80's during the summer and the high-50's during the winter, and mean minimum temperatures range from the high-50's in the summer to the low-40's in the winter. Further inland, where the moderating effect of the Bay is not as strong, temperature extremes are greater…

Winds in the valley are greatly influenced by the terrain, resulting in a prevailing flow that roughly parallels the valley's northwest-southeast axis. A north-northwesterly sea breeze flows through the valley during the afternoon and early evening, and a light south-southeasterly drainage flow occurs during the late evening and early morning. In the summer the southern end of the valley sometimes becomes a "convergence zone," when air flowing from the Monterey Bay gets channeled northward into the southern end of the valley and meets with the prevailing north-northwesterly winds.

Wind speeds are greatest in the spring and summer and weakest in the fall and winter. Nighttime and early morning hours frequently have calm winds in all seasons, while summer afternoons and evenings are quite breezy. Strong winds are rare, associated mostly with the occasional winter storm.

The air pollution potential of the Santa Clara Valley is high. High summer temperatures, stable air and mountains surrounding the valley combine to promote O_3 formation. In addition to the many local sources of pollution, O_3 precursors from San Francisco, San Mateo, and Alameda Counties are carried by prevailing winds to the Santa Clara Valley. The valley tends to channel pollutants to the southeast. In addition, on summer days with low level inversions, O_3 can be recirculated by southerly drainage flows in the late evening and early morning and by the prevailing northwesterlies in the afternoon. A similar recirculation pattern occurs in the winter, affecting levels of CO and PM. This movement of the air up and down the valley increases the impact of the pollutants significantly.

Pollution sources are plentiful and complex in this subregion. The Santa Clara Valley has a high concentration of industry at the northern end, in the Silicon Valley. Some of these industries are sources of air toxics as well as criteria air pollutants. In addition, Santa Clara Valley's large population and many work-site destinations generate the highest mobile source emissions of any subregion in the [Bay Area Air Basin]."

3.2.2 Regional Air Quality

NAAQS are established by the U.S. EPA for various pollutants: O_3, PM_{10}, $PM_{2.5}$, CO, nitrogen dioxide (NO_2), sulfur dioxide (SO_2), and lead (Pb). These standards set maximum concentrations over different averaging periods—primarily to protect public human health and secondarily to protect public welfare (protect against decreased visibility as well as damage to animals, crops, vegetation, and buildings).

CAAQS are established by the State of California and are in some cases more stringent than the NAAQS and include other pollutants in addition to the criteria pollutants. Pollutants covered by the CAAQS include O_3, PM_{10}, $PM_{2.5}$, CO, NO_2, SO_2, Pb, sulfates, hydrogen sulfide (H_2S), and vinyl chloride.

Both state and national air quality standards consist of two parts: an allowable concentration of a pollutant in ambient air, and an averaging time over which the concentration is measured. The allowable concentrations are based on the results of studies of the effects of the pollutants on human health, crops and vegetation, and, in some cases, damage to paint and other materials. The averaging times are based on whether the damage caused by the pollutant is more likely to occur during exposure to a high concentration for a short time (e.g., one hour), or to a relatively lower average concentration over a longer period (e.g., 8 hours, 24 hours, or one year). For some pollutants there is more than one air quality standard, reflecting both its short-term and long-term effects. Table 3-1 below presents the CAAQS and NAAQS for selected common pollutants, including pollutants applicable to the Project.

The degree to which a region's air quality is healthy or unhealthy is determined by comparing pollutant concentrations in ambient air samples to the state and national standards presented in Table 3-1. California standards for ambient background O_3, CO (except 8-hour Lake Tahoe), SO_2, NO_2, PM_{10}, $PM_{2.5}$, and visibility reducing particles are values that are not to be exceeded (though there can be averaging involved for

certain annual limits). Attainment with the national short-term standards is generally achieved if the standards are not exceeded more than once per year, though each pollutant has a specified averaging methodology. The O_3 standard is attained when the fourth-highest eight-hour concentration in a year, averaged over three years, is less than the standard. For PM_{10}, the 24-hour standard is attained when the number of days per calendar year with a 24-hour average concentration above the standard is equal to or less than one averaged over three years. Nonattainment areas are subject to additional restrictions and standards, as required by the U.S. EPA. The air quality data collected at local monitoring stations are also used to monitor progress in attaining air quality standards.

Under the provisions of the Federal Clean Air Act, the Bay Area Air Basin is classified as either in attainment, nonattainment, or unclassified/attainment with respect to the NAAQS. Table 3-2 provides the NAAQS and CAAQS classification statuses for the Bay Area Air Basin based on the local criteria pollutant concentrations and federal and state designations.

The human health and environmental effects of the criteria pollutants for which NAAQS are set are summarized in Table 3-3 below. The sections following Table 3-3 provide a more detailed discussion of the typical sources of such criteria pollutants.

Table 3-1: Summary of Ambient Air Quality Standards

Pollutant	Averaging Time [a]	CAAQS	NAAQS	Major Pollutant Sources
O_3	8-hour	0.070 ppm	0.070 ppm	▶ Formed when ROG and NO_x react in the presence of sunlight. ▶ Major sources include on-road motor vehicles, solvent evaporation, and commercial/ industrial mobile equipment.
	1-hour	0.09 ppm	--	
CO	8-hour	9.0 ppm	9 ppm	▶ Internal combustion engines, primarily gasoline-powered motor vehicles.
	1-hour	20 ppm	35 ppm	
NO_2	Annual	0.030 ppm	0.053 ppm	▶ Motor vehicles, petroleum refining operations, industrial sources, aircraft, ships, and railroads.
	1-hour	0.18 ppm	0.100 ppm	
SO_2	Annual [b]	---	0.030 ppm	▶ Fuel combustion, chemical plants, sulfur recovery plants and metal processing.
	24-hour [b]	0.04 ppm	0.14 ppm	
	3-hour	--	0.5 ppm	
	1-hour	0.25 ppm	0.075 ppm	
Respirable Particulate Matter (PM_{10})	Annual	20 µg/m^3	--	▶ Dust- and fume-producing industrial and agricultural operations, combustion, atmospheric photochemical reactions, and natural activities (e.g., wind-raised dust and ocean sprays). ▶ Formed from photochemical reactions of other pollutants, including NO_x, SO_x, and organics.
	24-hour	50 µg/m^3	150 µg/m^3	
Fine Particulate Matter ($PM_{2.5}$)	Annual	12 µg/m^3	12 µg/m^3	▶ Fuel combustion in motor vehicles, equipment, and industrial sources; residential and agricultural burning. ▶ Formed from photochemical reactions of other pollutants, including NO_x, SO_x, and organics.
	24-hour	--	35 µg/m^3	
Pb	Calendar Quarter [c]	--	1.5 µg/m^3	▶ Present sources: Pb smelters, battery manufacturing, and recycling facilities. ▶ Past source: combustion of leaded gasoline.
	30-days	1.5 µg/m^3	--	
	3-months	---	0.15 µg/m^3	
Hydrogen Sulfide (H_2S)	1-hour	0.03 ppm	--	▶ Geothermal power plants, petroleum production and refining.
Vinyl Chloride	24-hour	0.01 ppm	--	▶ Production of PVC plastic.
Visibility Reducing Particles	8-hour	Extinction of 0.23/km; visibility of ≥ 10 miles	--	▶ See $PM_{2.5}$.
Sulfates	24-hour	25 µg/m^3	--	▶ Formed from SO_2 emitted from combustion of petroleum-derived fuels.

Sources: BAAQMD, 2017b; CARB, 2009, 2016, and 2019c, d, and e (up to date as of October 2023).
ppm = parts per million, µg/m^3 = micrograms per cubic meter

a. Different statistical methodologies may apply between CAAQS and NAAQS thresholds for the same pollutants (e.g., arithmetic mean of maximum annual impacts from over five years versus annual mean over five years expressed as the maximum result modeled year in a five year period).
b. The annual and 24-hour SO_2 NAAQS only remain in effect in certain areas: (1) any area for which it is not yet 1 year since the effective date of designation under the current (2010) standards, and (2) any area for which an implementation plan providing for attainment of the current (2010) standard has not been submitted and approved and which is designated nonattainment under the previous SO_2 standards or is not meeting the requirements of a SIP call under the previous SO_2 standards (40 CFR 50.4(e)).
c. The calendar quarter lead NAAQS only applies in areas for which implementation plans to attain or maintain the current (2008) standards have not been submitted and approved.

Table 3-2: Summary of BAAQMD Attainment Status

Pollutant	California AAQS [a]	NAAQS [b]
O_3 — 1-hour	Nonattainment	N/A
O_3 — 8-hour	Nonattainment	Nonattainment
CO — 1-hour	Attainment	Attainment
CO — 8-hour	Attainment	Attainment
NO_2 — 1-hour	Attainment	Unclassified/Attainment
NO_2 — Annual	Attainment	Unclassifiable
SO_2 — 1-hour	Attainment	Attainment/Unclassifiable
SO_2 — 3-hour	N/A	Attainment
SO_2 — 24-hour	Attainment	Attainment
SO_2 — Annual	N/A	Attainment
PM_{10} — 24-hour	Nonattainment	Unclassified
PM_{10} — Annual	Nonattainment	N/A
$PM_{2.5}$ — 24-hour	N/A	Nonattainment [c]
$PM_{2.5}$ — Annual	Nonattainment	Unclassified/Attainment
Pb	Attainment [d]	Attainment
H_2S	Unclassified	N/A
Vinyl Chloride	No information available [d]	N/A
Visibility Reducing Particles	Unclassified	N/A
Sulfates	Attainment	N/A

Sources: BAAQMD, 2017b and CARB, 2020b (up to date as of October 2023)
Notes: AAQS = ambient air quality standards.
N/A = Not Applicable

a. See CCR Title 17 Sections 60200-60210.

b. See 40 CFR Part 81.

c. U.S. EPA tightened the national 24-hour $PM_{2.5}$ standard from 65 to 35 µg/m^3 in 2006. On January 9, 2013, U.S. EPA issued a final rule to determine that the Bay Area Air Basin was in attainment with respect to the 24-hour $PM_{2.5}$ national standard. This U.S. EPA rule suspends key state implementation plan (SIP) requirements as long as monitoring data continue to show that the Bay Area Air Basin attains the standard. Despite this U.S. EPA action, the Bay Area Air Basin will continue to be designated as nonattainment for the national 24-hour $PM_{2.5}$ standard until the BAAQMD submits a redesignation request and a maintenance plan to U.S. EPA, and U.S. EPA approves the proposed redesignation.

d. CARB has identified Pb and vinyl chloride as "toxic air contaminants" with no threshold level of exposure below which no adverse health effects have been determined.

Table 3-3: Summary of Health and Environmental Effects of Key Criteria Pollutants

Pollutant	Health Effects	Environmental Effects	Examples of Sources
O_3	► Respiratory symptoms ► Worsening of lung disease leading to premature death ► Damage to lung tissue	► Crop, forest, and ecosystem damage ► Damage to a variety of materials, including rubber, plastics, fabrics, paint and metals	► Formed by chemical reactions of air pollutants in the presence of sunlight; common sources are motor vehicles, industries, and consumer products
PM_{10}	► Premature death & hospitalization, primarily for worsening of respiratory disease	► Reduced visibility and material soiling	► Cars and trucks (especially diesel), fireplaces, wood stoves, windblown dust from roadways, agriculture, and construction activities
$PM_{2.5}$	► Premature death ► Hospitalization for worsening of cardiovascular disease ► Hospitalization for respiratory disease ► Asthma-related emergency room visits ► Increased symptoms, increased inhaler usage	► Reduced visibility and material soiling	► Cars and trucks (especially diesel), fireplaces, wood stoves, windblown dust from roadways, agriculture, and construction activities
CO	► Chest pain in patients with heart disease ► Headache ► Light-headedness ► Reduced mental alertness	► None	► Any source that burns fuel such as cars, trucks, construction and farming equipment, and residential heaters and stoves
NO_2	► Lung irritation ► Enhanced allergic responses	► Reacts to form acid precipitation and deposition	► Any source that burns fuel such as cars, trucks, construction and farming equipment, and residential heaters and stoves
SO_2	► Worsening of asthma: increased symptoms, increased medication usage, and emergency room visits	► Reacts to form acid precipitation and deposition	► Coal and oil burning power plants, refineries, and diesel engines
Pb	► Impaired mental functioning in children ► Learning disabilities in children ► Brain and kidney damage	► Soil and water pollutant	► Metal smelters, resource recovery, leaded gasoline, Pb paint

a. *Source:* CARB, 2009.

3.2.2.1 Ozone (O_3)

O_3, or smog, is a highly reactive and unstable gas not emitted directly into the environment. O_3 is formed in the atmosphere by complex chemical reactions between ROG and NO_x in the presence of sunlight. O_3 formation is greatest on warm, windless, sunny days. The main sources of NO_x and ROG — often referred to as O_3 precursors—are combustion processes (including motor vehicle engines); the evaporation of solvents, paints, and fuels; and biogenic sources. O_3 is the main contributor to visible smog in the Bay Area Air Basin and is also a strong oxidant (BAAQMD, 2017b). O_3 levels typically build up during the day and peak in the afternoon hours.

3.2.2.2 Respirable and Fine Particulate Matter (PM_{10} and $PM_{2.5}$)

Particulate matter refers to a wide range of tiny solid and/or liquid particles in the atmosphere, including smoke, dust, aerosols, and metallic oxides. Respirable PM with an aerodynamic diameter of 10 micrometers or less is referred to as PM_{10}. $PM_{2.5}$ is a subgroup of fine particulates that have an aerodynamic diameter of 2.5 micrometers or less. Some particulate matter, such as pollen, is naturally occurring. Atmospheric reactions between primary gaseous emissions such as SO_2 and NO_X from power plants can also form particulate sulfates as $PM_{2.5}$. Wood burning in fireplaces and stoves is also a large source of fine particulates, especially during the winter season (BAAQMD, 2017b).

3.2.2.3 Carbon Monoxide (CO)

CO is an odorless, colorless gas. It is formed by the incomplete combustion of fuels. Because CO is emitted directly from internal combustion engines, mobile sources are the primary source of CO in the BAAQMD. Emissions are highest during cold starts, hard acceleration, stop-and-go driving, and when a vehicle is moving at low speeds. CO can also be formed by photochemical reactions in the atmosphere from methane (CH_4) and non-methane hydrocarbons (NMHC) and organic molecules in water and soil (BAAQMD, 2017b).

3.2.2.4 Nitrogen Oxides (NO_X)

NO_2 is a pungent-smelling gas that is brownish-red in color. Of the gases referred to as NO_X, NO_2 and nitric oxide (NO) are the two most prevalent gases. Nitrogen oxides are created during combustion processes and are also created in the atmosphere when NO photochemically reacts with other pollutants to create NO_2. Automobiles and industrial operations are the main sources of NO_2. Ambient concentrations of NO_2 are related to traffic density, and as such, commuters in heavy traffic may be exposed to higher concentrations of NO_2 than the concentrations indicated by regional monitors (CARB, 2019a). NO_2 may be visible as a coloring component of a brown cloud on high pollution days, especially in conjunction with high O_3 levels (BAAQMD, 2017b).

3.2.2.5 Sulfur Dioxide (SO_2)

SO_2 is a colorless acid gas with a pungent odor. It is produced by the combustion of sulfur-containing fuels, such as oil, coal, and diesel. It is also formed from chemical processes occurring at chemical plants and refineries. When SO_2 oxidizes in the atmosphere, it forms sulfates (SO_4). Collectively, these pollutants are referred to as SO_x (CARB, 2019b and CARB, 2019c).

3.2.2.6 Lead (Pb)

Pb is a metal found naturally in the environment as well as in manufactured products. The major sources of Pb emissions have historically been mobile and industrial. As a result of the phase-out of leaded gasoline, metal processing is currently the primary source of Pb emissions. The highest levels of Pb in the air are

generally found near Pb smelters. Other stationary sources include waste incinerators, utilities, and Pb-acid battery manufacturers. Several decades ago, mobile sources were the main contributor to Pb concentrations in the ambient air due to leaded gasoline. In the early 1970s, the U.S. EPA set national regulations to gradually reduce the Pb content in gasoline. In 1975, unleaded gasoline was introduced for motor vehicles equipped with catalytic converters. The U.S. EPA banned the use of leaded gasoline in highway vehicles in December 1995. As a result of the U.S. EPA's regulatory efforts, emissions of Pb from the transportation sector and levels of Pb in the air have decreased substantially (BAAQMD, 2017b).

3.2.3 Local Air Quality

BAAQMD operates a regional monitoring network that measures the ambient concentrations of the six criteria air pollutants within the Bay Area Air Basin. Existing levels of air pollutants in the Project area can generally be inferred from ambient air quality measurements conducted by the BAAQMD at nearby monitoring stations. The nearest permanent station to the Project site is the Gilroy monitoring station approximately 1 mile to the southwest. The Gilroy monitoring station only measures O_3 and $PM_{2.5}$. The San Martin monitoring station is approximately 4.8 miles to the northwest of the Project site and measures ozone. Because the San Martin monitoring station is closer to a highway, similar to the Project site, ozone data from the San Martin monitoring station is utilized. The remaining pollutant measurements can be found from the next closest monitoring stations within the Bay Area Air Basin, which are the Knox Avenue monitoring station and the Jackson Street monitoring station, both in San Jose approximately 30 miles to the northwest. The Knox Avenue monitoring station only measures CO and NO_2, thus the remaining pollutant measurements are from the Jackson Street monitoring station. Table 3-4 summarizes the applicable monitoring station information while their locations are depicted in Figure 3-1.

Table 3-4: Representative Air Quality Monitoring Stations for the Proposed Project Area

Pollutants	Monitoring Site	Monitoring Site Address	Approximate Distance from Project Area
$PM_{2.5}$	Gilroy	9th and Princevalle St, Gilroy, CA 95020	1.25 mi SW
O_3	San Martin	13030 Murphy Avenue, San Martin, CA 95046	4.8 mi NNW
CO, NO_2	San Jose – Knox	1007 Knox Ave. San Jose, CA 95122	27 mi NW
SO_2, PM_{10}	San Jose – Jackson	158 E. Jackson St, San Jose, CA 95112	29 mi NW

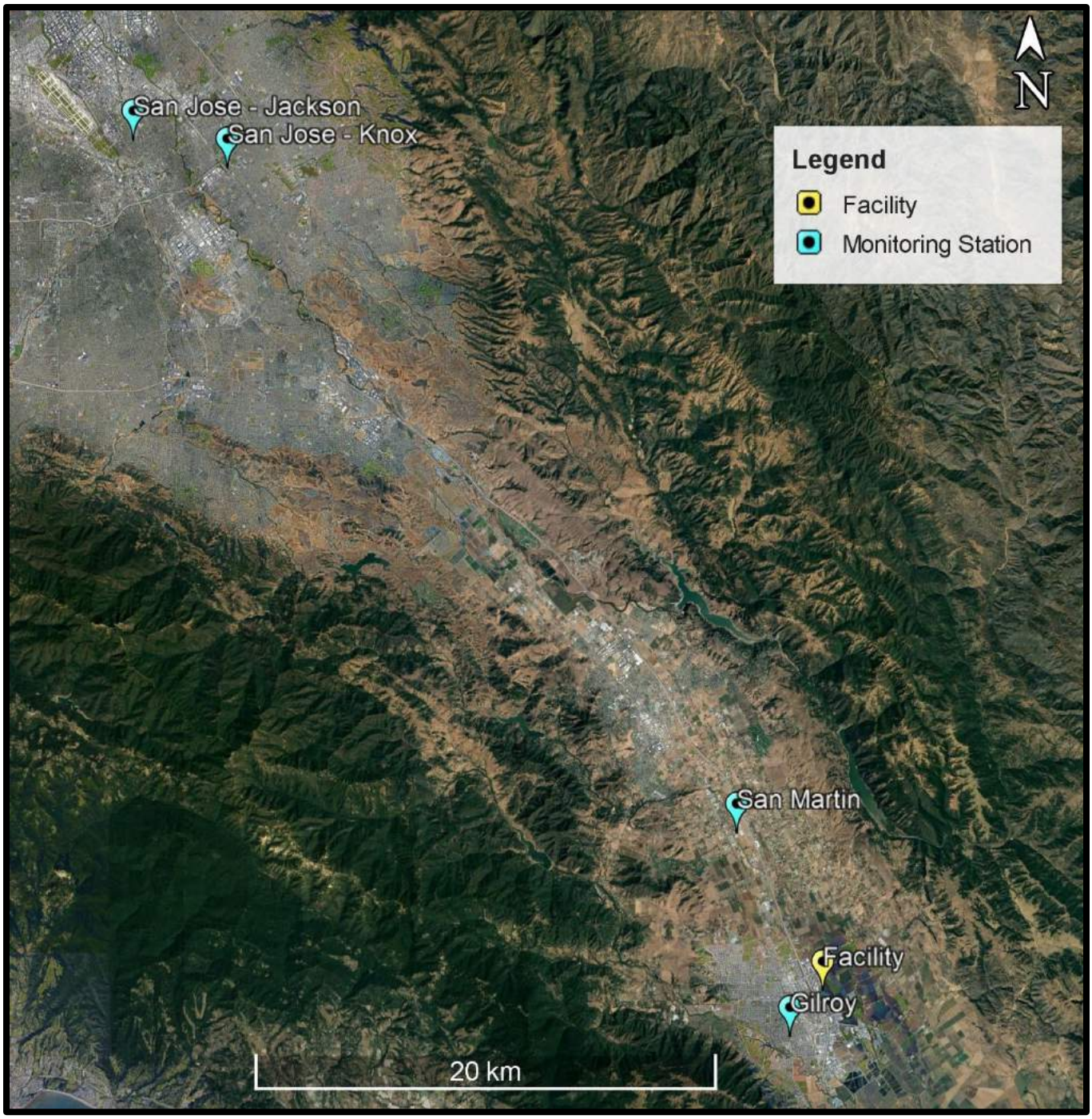


Figure 3-1: Project Site and Monitoring Sites

Table 3-5 presents the most recent three years of ambient air quality monitoring data (2019-2021)[1] available for the monitoring stations. The ambient air quality data in Table 3-5 show that NO_2, SO_2, CO, and $PM_{2.5}$ levels are below the applicable state and federal standards. At the closest BAAQMD monitoring station to the

[1] 2020 Data was not available.

proposed Project location providing PM_{10} measurements, the state AAQS are exceeded for PM_{10}. Attainment status designations are provided in Table 3-2.

Table 3-5: Existing Air Quality Monitoring Data in Proposed Project Area [a,b,c]

Pollutant	Units	Averaging Time	Basis of Yearly/Design Concentrations	2019	2020	2021	Design	Station
Ozone (O_3)	ppb	1-Hr	CAAQS - 1st Highs/3-yr Max	90	106	139	N/A	San Martin
		8-Hr	CAAQS - 1st Highs/3-yr Max	78	87	122	N/A	San Martin
			NAAQS - 4th Highs/3-yr Avg	64	69	71	N/A	San Martin
Nitrogen dioxide (NO_2)	ppb	1-Hr	CAAQS - 1st Highs/3-yr Max	65.1	56.5	38.8	65.1	Knox
			NAAQS - 98th %s/3-yr Avg	50.5	48.7	33.5	44.2	Knox
		Annual	CAAQS - AAM/3-yr Max	14.47	13.66	11.07	14.47	Knox
			NAAQS - AAM/3-yr Avg	14.47	13.66	11.07	13.07	Knox
Carbon monoxide (CO)	ppm	1-Hr	CAAQS - 1st Highs/3-yr Max	2.0	2.4	1.8	2.4	Knox
			NAAQS - 2nd Highs/3-yr Max	2.0	2.1	1.7	2.1	Knox
		8-Hr	CAAQS - 1st Highs/3-yr Max	1.6	1.8	1.5	1.8	Knox
			NAAQS - 2nd Highs/3-yr Max	1.6	1.8	1.5	1.8	Knox
Sulfur dioxide (SO_2)	ppb	1-Hr	CAAQS - 1st Highs/3-yr Max	14.5	2.9	1.8	14.5	Jackson
			NAAQS - 99th %s/3-yr Avg	2.2	2.3	1.5	2.0	Jackson
	ppm	3-Hr	NAAQS - 2nd Highs/1-yr	0.0019	0.0018	0.0011	0.0019	Jackson
	ppb	24-Hr	CAAQS - 1st Highs/3-yr Max	1.5	0.8	0.5	1.5	Jackson
	ppb	Annual	NAAQS - AAM/3-yr Avg	0.14	0.17	0.16	0.16	Jackson
Respirable Particulate Matter (PM_{10}) [d]	µg/m³	24-Hr	CAAQS - 1st Highs/3-yr Max	77	137	41	137	Jackson
		24-Hr	NAAQS - 2nd Highs/3-yr 4th High [e]	56	90	37	61	Jackson
		Annual	CAAQS - AAM/3-yr Max [f]	21.6	23.1	19.2	23.1	Jackson
Fine Particulate Matter ($PM_{2.5}$) [d]	µg/m³	24-Hr	NAAQS - 98th %s/3-yr Avg	13.4	49.4	15.5	26.1	Gilroy
		Annual	CAAQS - AAM/3-yr Max	5.82	9.93	5.71	9.93	Gilroy
			NAAQS - AAM/3-yr Avg	5.82	9.93	5.71	7.15	Gilroy

Notes: AAM = annual arithmetic mean.

a. Monitoring values are chosen sequentially based on proximity to the facility and availability of data. The Gilroy monitoring station located at 9th and Princevalle is closest in proximity, followed by the San Martin monitoring station located at 13030 Murphy Avenue, San Jose - Knox monitoring station located at 1007 Knox Ave, then San Jose - Jackson located at 158 East Jackson St.
SO_2 24 hr and PM_{10} Annual CAAQS Data sources: Bay Area Air Pollution Summaries (BAAQMD, 2018, 2019, and 2020a).

b. NAAQS and CAAQS with overlapping averaging time data sources: U.S. EPA AirData Air Quality Monitors Data (2017, 2018, 2019, 2020, 2021) (U.S. EPA, 2022a).

c. Annual SO_2 NAAQS Data Source: U.S. EPA Annual Summary Data for Concentration by Monitor (2017, 2018, 2019) (U.S. EPA, 2020a).

d. Note that significant wildfires occurred in California in 2020, resulting in higher concentrations of particulate matter than in years without significant wildfires.

e. Design value is an average of PM_{10} 24-hr second highs per Section 2.1 of Appendix K to 40 CFR Section 50.6.

f. Monitoring and design values for PM_{10} annual CAAQS based on data for 2017-2019 to reflect the latest 3-year data available from BAAQMD Bay Area Air Pollution Summaries as of March 2022.

3.2.4 Sensitive Land Uses Near the Proposed Project Area

For the purposes of this AQIA, sensitive receptors are considered locations with people who are more sensitive than the general public to the effects of air pollutants. The reasons for increased sensitivity include preexisting health problems, proximity to emissions sources, or duration of exposure to air pollutants. Schools, hospitals, and convalescent homes are considered to be sensitive receptors because children, the infirm, and elderly people are more susceptible to respiratory distress and other air quality-related health problems than the general public. Residential areas are also considered sensitive to poor air quality because residents are often home for extended periods of time which results in greater exposure to ambient air quality; however, residential receptors are considered a separate receptor type from sensitive receptors. Table 3-6 lists the nearest sensitive receptors within two miles of the Project's property boundary.[2] The list includes sensitive receptors potentially impacted by acute health risks (e.g., a medical facility where a sick person may visit for a single check-up per year) as well as sensitive receptors potentially impacted by chronic health risks (e.g., a medical facility where a patient may need to stay for long-term in-patient care or a school where a student would attend every weekday for many years). Table 3-7 lists the nearest residential areas to the Project area.

[2] The sensitive receptors were identified using Google Earth and Google Maps.

Table 3-6: Sensitive Receptors near the Project Area

ID	Name of Sensitive Receptor	Address of Sensitive Receptor	Type	Distance from Property Boundary to Sensitive Receptor [miles] [a]
1	Kaiser Permanente Gilroy Medical Offices	7520 Arroyo Cir, Gilroy, CA 95020	Healthcare Facility	0.06
2	Satellite Healthcare Gilroy	8095 Camino Arroyo Suite 100, Gilroy, CA 95020	Healthcare Facility	0.08
3	Valley Health Center Gilroy	7475 Camino Arroyo, Gilroy, CA 95020	Healthcare Facility	0.08
4	Gilroy Healthcare and Rehabilitation Center	8170 Murray Ave, Gilroy, CA 95020	Nursing Home	0.33
5	Gilroy Neighborhood Health Clinic	7861 Murray Ave, Gilroy, CA 95020	Healthcare Facility	0.34
6	South Valley Middle School	385 Ioof Ave, Gilroy, CA 95020	School	0.36
7	Wagon Wheel Mobile Village Senior Community	8282 Murray Avenue, Gilroy, CA 95020	Senior Living	0.44
8	Eliot Elementary School	475 Old Gilroy St, Gilroy, CA 95020	School	0.45
9	Rebekah Children's Services	290 Ioof Ave, Gilroy, CA 95020	Healthcare Facility	0.46
10	Miranda's Residential Care Home	7566 Alexander St, Gilroy, CA 95020	Nursing Home	0.5
11	Gilroy Prep School	277 Ioof Ave, Gilroy, CA 95020	School	0.52
12	Gardner South County Health Center	7526 Monterey Rd, Gilroy, CA 95020	Healthcare Facility	0.65
13	Creative Play Learning Center	95 4th St, Gilroy, CA 95020	Daycare	0.69
14	Neil Reza MD	7872 Eigleberry St, Gilroy, CA 95020	Healthcare Facility	0.69
15	Concentra Urgent Care	190 Leavesley Rd Suite 102, Gilroy, CA 95020	Healthcare Facility	0.71
16	Gavilan Foot Care Center	80 5th St, Gilroy, CA 95020	Healthcare Facility	0.73
17	St. Mary's School	7900 Church Street, Gilroy, CA 95020	School	0.75
18	Hunny Bunny Daycare	7361 Eigleberry St, Gilroy, CA 95020	Daycare	0.79
19	Chamberlain's Mental Health	8352 Church St # C, Gilroy, CA 95020	Healthcare Facility	0.84
20	Forget Me Not Child Care	7661 Rosanna St, Gilroy, CA 95020	Daycare	0.87
21	South County Pain & Rehabilitation	7091 Monterey St Ste A, Gilroy, CA 95020	Healthcare Facility	0.89
22	South Valley Imaging Center	8359 Church St, Gilroy, CA 95020	Healthcare Facility	0.93

ID	Name of Sensitive Receptor	Address of Sensitive Receptor	Type	Distance from Property Boundary to Sensitive Receptor [miles] [a]
23	Footsteps Preschool	8335 Church St, Gilroy, CA 95020	Daycare	0.93
24	Brownell Academy Middle School	7800 Carmel St, Gilroy, CA 95020	School	0.99
25	Santa Clara County Family Resources	8833 Monterey Rd STE G, Gilroy, CA 95020	Healthcare Facility	1.07
26	Wheeler Manor	651 W 6th St # 3, Gilroy, CA 95020	Nursing Home	1.14
27	Glen View Elementary School	600 W 8th St, Gilroy, CA 95020	School	1.15
28	Ms. Sally's Home Day Care and Preschool	7941 Princevalle St, Gilroy, CA 95020	Daycare	1.16
29	Community Solutions	9015 Murray Avenue, #100, Gilroy, CA 95020	Healthcare Facility	1.17
30	Gilroy Medical Pharmacy	700 W 6th St G, Gilroy, CA 95020	Healthcare Facility	1.2
31	Tiny Tots Preschool & Daycare	8985 Monterey Rd, Gilroy, CA 95020	Daycare	1.24
32	Mimi's Place Home Day Care	7390 Orchard Dr, Gilroy, CA 95020	Daycare	1.27
33	Evelia Daycare	7380 Orchard Dr, Gilroy, CA 95020	Daycare	1.27
34	Allergy & Asthma Associates of Northern California	9360 No Name Uno #250, Gilroy, CA 95020	Healthcare Facility	1.28
35	A Woman For Women Medical Group Inc.	9360 No Name Uno #260, Gilroy, CA 95020	Healthcare Facility	
36	Ellis Eye & Laser Medical Center	9360 No Name Uno Suite 210, Gilroy, CA 95020	Healthcare Facility	
37	Mittal Family Healthcare, Inc.	9360 No Name Uno #240, Gilroy, CA 95020	Healthcare Facility	
38	California Vascular & Vein Center	9360 No Name Uno Rd, #110, Gilroy, CA 95020	Healthcare Facility	
39	Clever Kidz Home Daycare	295 London Dr, Gilroy, CA 95020	Daycare	1.29
40	ABC daycare	8401 Wayland Ln, Gilroy, CA 95020	Daycare	1.29
41	Gamboa Lawrence S MD	10 Canterbury Pl, Gilroy, CA 95020	Healthcare Facility	1.31
42	Gilroy Elderly Care Home	415 London Dr, Gilroy, CA 95020	Nursing Home	1.33
43	Jemel's Home Care Services	298 Churchill Pl, Gilroy, CA 95020	Nursing Home	1.35
44	Miriam House	318 Churchill Pl, Gilroy, CA 95020	Nursing Home	1.36
45	St. Louise Regional Hospital	9400 No Name Uno, Gilroy, CA 95020	Hospital	1.38
46	Gilroy Family Medical Group	9460 No Name Uno #115, Gilroy, CA 95020	Healthcare Facility	1.44
47	Foothill Community Health Center	9460 No Name Uno, #110 & #215, Gilroy CA 95020	Healthcare Facility	

ID	Name of Sensitive Receptor	Address of Sensitive Receptor	Type	Distance from Property Boundary to Sensitive Receptor [miles] [a]
48	We Care Health Center	7880 Wren Ave # C133, Gilroy, CA 95020	Healthcare Facility	1.44
49	Community Internal Medicine	7880 Wren Ave # D143, Gilroy, CA 95020	Healthcare Facility	
50	One World Preschool	8387 Wren Ave, Gilroy, CA 95020	Daycare	1.46
51	El Roble Elementary School	930 3rd St, Gilroy, CA 95020	School	1.48
52	Little Star Daycare	759 Gary St, Gilroy, CA 95020	Daycare	1.48
53	CareMore Medical Group	7888 Wren Ave C-131, Gilroy, CA 95020	Healthcare Facility	1.48
54	CJ's Make A Wish Day Care	6440 Hastings Pl, Gilroy, CA 95020	Daycare	1.49
55	Dominique M. Ly, FNP	7933 Wren Ave, Suite D, Gilroy, CA 95020	Healthcare Facility	1.5
56	Little Angels daycare	6121 Hyde Park Dr, Gilroy, CA 95020	Daycare	1.52
57	Gilroy High School	750 W 10th St, Gilroy, CA 95020	School	1.52
58	Castle Care Facility	9061 Wren Ave, Gilroy, CA 95020	Nursing Home	1.54
59	Playland Child Development Center	7272 Carr Pl, Gilroy, CA 95020	Daycare	1.55
60	Terri's Learning Tree Preschool	890 Dearborn Pl, Gilroy, CA 95020	Daycare	1.56
61	Little Blue Star Daycare	826 Mantelli Dr, Gilroy, CA 95020	Daycare	1.71
62	Kays Kids Daycare & Preschool	8345 Kern Ave, Gilroy, CA 95020	Daycare	1.72
63	Rod Kelley Elementary School	8755 Kern Ave, Gilroy, CA 95020	School	1.76
64	Sandra's daycare	1029 Welburn Ave, Gilroy, CA 95020	Daycare	1.80
65	Mt Madonna High School	8750 Hirasaki Ct, Gilroy, CA 95020	School	1.89
66	Anaya's Daycare	955 Brook Way, Gilroy, CA 95020	Daycare	1.91
67	Go Kids Inc	902 Arizona Cir, Gilroy, CA 95020	Daycare	1.94
68	Las Animas Elementary	6550 Cimino St, Gilroy, CA 95020	School	1.97

Source: Google Earth, 2020

a. BAAQMD considers the zone of influence the area extending 1,000 feet (0.19 miles) from the site boundary. Only sensitive receptor IDs 1, 2, and 3 fall within this zone. Sensitive receptor ID 1 is an office building unlikely to be visited by patients. It was conservatively included on this list as it is associated with a medical facility; however, for the purposes of the health risk assessment, it is considered a worker receptor. Sensitive receptor ID 2 and 3 do not have in-patient care and patients are expected to only visit for short periods of time. Therefore, sensitive individuals at these sites would only be impacted by acute health risks.

Table 3-7: Residential Areas near the Project Area

ID	Distance from Property Boundary to Sensitive Receptor [miles]
Northwest Residences	0.17 - 0.36
West Residences	0.30
Southwest Residences	0.19 - 0.23
Southeast Residence	0.21

Source: Google Earth, 2020

Figure 3-2 identifies the locations of the sensitive receptors listed in Table 3-6 as pink markers. The closest areas with residences are identified with blue and the site property boundary is denoted with a purple outline.

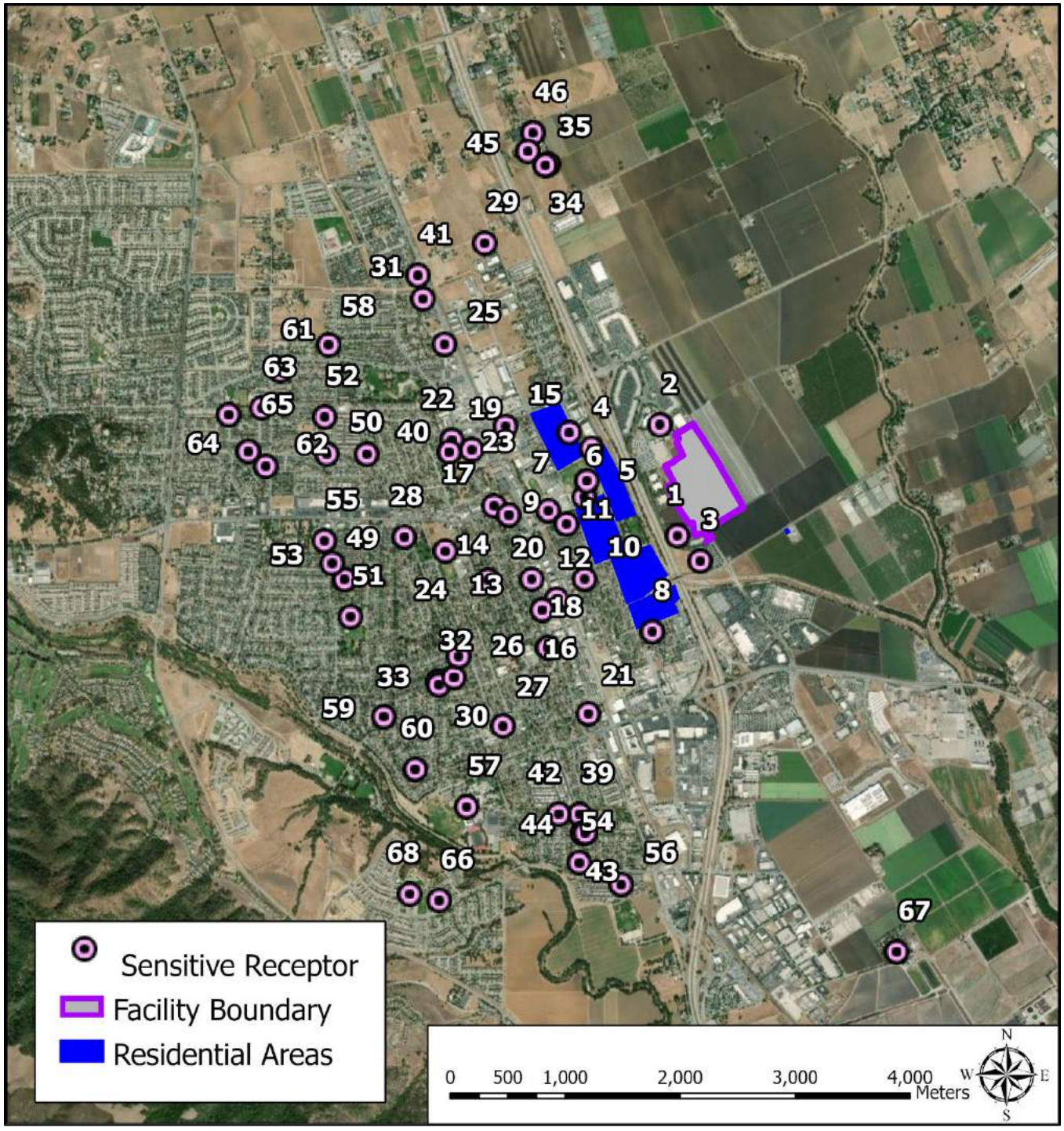


Figure 3-2: Location of Sensitive Receptors and Surrounding Residential Areas

3.2.5 Greenhouse Gases

Greenhouse gases comprise a set of compounds whose presence in the atmosphere is associated with the differential absorption of incoming solar radiation and outgoing radiation from the surface of the earth. In theory, GHGs in the atmosphere affect the global energy balance of the atmosphere-ocean-land system and thereby affect climate change. More specifically, GHGs absorb the long-wave radiation emitted by the earth

and hence are capable of warming the atmosphere. Regulated GHGs in California are carbon dioxide (CO_2), CH_4, nitrous oxide (N_2O), sulfur hexafluoride (SF_6), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and nitrogen trifluoride (NF_3). Other GHGs, such as water vapor, are not regulated.

To quantify the impact of specific GHGs, each gas is assigned a global warming potential (GWP). Individual GHG compounds have varying GWP and atmospheric lifetimes. The GWP of a GHG is a measure of how much a given mass of a GHG is estimated to contribute to global warming relative to CO_2, which is assigned a GWP of 1.0.

The GWP is used to determine the CO_2 equivalent (CO_2e) mass of each GHG. Calculation of the CO_2e is the accepted methodology for comparing GHG emissions since it normalizes various GHG emissions to a consistent reference gas, CO_2. For example, CH_4's GWP of 25 indicates that the global warming effect of CH_4 is 25 times greater than that of CO_2 on a molecule per molecule basis. CO_2e is the mass emissions of an individual GHG multiplied by its GWP.

Natural processes and human activities emit GHGs. The presence of GHGs in the atmosphere affects the earth's temperature. As discussed in more detail below, emissions from human activities, such as electricity production and vehicle use, have led to elevated concentrations of these gases in the atmosphere beyond the level of naturally occurring concentrations. Table 3-8 lists GHGs, GWPs, a description of each GHG, and sources for each of the GHGs.

Table 3-8: GWPs, Properties, and Sources of GHGs

Constituent	GWP	Description and Physical Properties	Sources
CO_2	1	CO_2 is an odorless, colorless, naturally occurring GHG.	CO_2 is emitted from natural and anthropocentric (human) sources. Natural sources include decomposition of dead organic matter; respiration of bacteria, plants, animals, and fungus; evaporation from oceans; and volcanic out gassing. Anthropogenic sources are from burning coal, oil, natural gas, and wood.
CH_4	25	CH_4 is an organic, colorless, naturally occurring, flammable gas. Its atmospheric concentration is less than CO_2, and its lifetime in the atmosphere is brief (10-12 years) compared to other GHGs.	CH_4 has both natural and anthropogenic sources. It is released as part of the biological processes in low oxygen environments, such as in swamplands or rice production (at the roots of the plants). Over the last 50 years, human activities such as growing rice, raising cattle, using natural gas, and mining coal have added to the atmospheric concentration of CH_4. Other anthropogenic sources include fossil-fuel and biomass combustion, as well as landfilling and wastewater treatment.
N_2O	298	N_2O, commonly referred to as "laughing gas," is a colorless, nonflammable GHG. It is a powerful oxidizer and breaks down readily in the atmosphere.	Nitrous oxide is produced by microbial processes in soil and water, including those reactions that occur in fertilizer containing nitrogen. In addition to agricultural sources, some industrial processes (fossil fuel-fired power plants, nylon production, nitric acid production, and vehicle emissions) also contribute to its atmospheric load. It is used as an aerosol spray propellant (e.g., in whipped cream bottles) and it is also used in potato chip bags to keep chips fresh. It is used in rocket engines and in race cars.
HFCs	92 - 14,900	HFCs are synthetic man-made chemicals that form one of the GHGs with the highest global warming potential.	HFCs are man-made for applications such as automobile air conditioners and refrigerants.
PFCs	6,288 - 17,700	PFCs are colorless, non-flammable, dense gases that have stable molecular structures and do not break down through the chemical processes in the lower atmosphere. Because of this, PFCs have very long lifetimes, between 10,000 and 50,000 years.	The two main sources of PFCs are primary aluminum production and semiconductor manufacture.
SF_6	22,800	SF_6 is an inorganic, odorless, colorless, nontoxic, nonflammable gas.	SF_6 is used for insulation in electric power transmission and distribution equipment, in the magnesium industry, in semiconductor manufacturing, and as a tracer gas for leak detection.
NF_3	17,200	NF_3 is an inorganic, colorless, odorless, nonflammable gas.	NF_3 is used primarily in the plasma etching of silicon wafers

Source: CARB, 2018a.

There is growing concern about GHG emissions and their adverse impacts on the world's climate and on the environment. These concerns relate to the change in the average weather of the earth that may be measured by changes in wind patterns, storms, precipitation, and temperature. Several gases act as GHGs — their common attribute is that they allow sunlight to enter the atmosphere, but trap a portion of the outward-bound infrared radiation, which warms the air. The process is similar to the effect greenhouses have in raising the air temperature inside the greenhouse, hence the name GHGs. The presence of GHGs in the atmosphere regulates the earth's temperature; however, emissions from human activities such as fossil fuel-based electricity production and the use of motor vehicles have elevated the concentration of GHGs in the atmosphere. It is widely believed that this accumulation of GHGs is contributing to global climate change (BAAQMD, 2017a).

Global climate change refers to the change in average meteorological conditions on the earth with respect to temperature, precipitation, and storms, lasting for decades or longer. The term "global climate change" is often used interchangeably with the term "global warming," but "global climate change" is preferred by some scientists and policymakers to "global warming" because it helps convey the notion that in addition to rising temperatures, other changes in global climate may occur. Climate change may result from the following influences:

- Natural factors, such as changes in the sun's intensity or slow changes in the earth's orbit around the sun;
- Natural volcanic activity;
- Natural processes within the climate system (e.g., changes in ocean circulation); and/or
- Human activities that change the atmosphere's composition (e.g., through burning fossil fuels) and the land surface (e.g., deforestation, reforestation, urbanization, and desertification).

As determined from worldwide meteorological measurements between 1990 and 2005, the primary observed effect of global climate change has been a rise in the average global tropospheric temperature of 0.36 degrees Fahrenheit (°F) per decade. Climate change modeling shows that further warming could occur, which could induce additional changes in the global climate system during the current century. Changes to the global climate system, ecosystems, and the environment of California could include higher sea levels, drier or wetter weather, changes in ocean salinity, changes in wind patterns, or more energetic aspects of extreme weather (e.g., droughts, heavy precipitation, heat waves, extreme cold, and increased intensity of tropical cyclones).

According to the 2006 California Climate Action Team (CAT) Report, several climate change effects can be expected in California over the course of the next century (CalEPA, 2006). These are based on trends established by the IPCC and are summarized below.

- A diminishing Sierra Nevada snowpack, declining by 70% to 90%, and thereby threatening the state's water supply.
- A rise in sea levels, resulting in the displacement of coastal businesses and residences. During the past century, sea levels along California's coast have risen about seven inches.
- An increase in temperature and extreme weather events. Climate change is expected to lead to increases in the frequency, intensity, and duration of extreme heat events and heat waves in California.
- Increased risk of large wildfires if rain increases as temperatures rise. Wildfires in the grasslands and chaparral ecosystems of southern California are estimated to increase by approximately 30% toward the end of the 21st century because more winter rain will stimulate the growth of more plant fuel available to burn in the fall. In contrast, a hotter, drier climate could promote up to 90% more northern California fires by the end of the century by drying out and increasing the flammability of forest vegetation.
- Reductions in the quality and quantity of certain agricultural products. The crops and products likely to be adversely affected include wine grapes, fruit, nuts, and milk.

- Increased electricity demand, particularly in the hot summer months.
- Increased ground-level O_3 formation due to higher reaction rates of O_3 precursors.

Worldwide emissions of GHGs in 2012 were 33.0 billion metric tons of CO_2e and have increased considerably since then (United Nations, 2015). It is important to note that the global emissions inventory data are not all from the same year and may vary depending on the source of the data (U.S. EPA, 2016). Emissions from the top five emitting countries and the European Union accounted for approximately 55% of total global GHG emissions. The United States was the number two producer of GHG emissions (U.S. EPA, 2016). The primary GHG emitted by human activities in the United States was CO_2, representing approximately 80.1% of total GHG emissions (U.S. EPA, 2021).

CARB is responsible for developing and maintaining the California GHG emissions inventory. This inventory estimates the amount of GHGs emitted into and removed from the atmosphere by human activities within the state of California and supports the Assembly Bill (AB) 32 Climate Change Program. CARB's current GHG emission inventory covers the years 1990 through 2019 and is based on fuel use, equipment activity, industrial processes, and other relevant data (e.g., housing, landfill activity, and agricultural lands).

California's net emissions of GHGs decreased by approximately 11% from 468 million metric tons (MMT) of CO_2e in 2000 to 418.2 MMT in 2019, with a maximum of 491 MMT in 2004 (CARB, 2021). In 2016, statewide GHG emissions dropped below the 2020 GHG target (equivalent to 1990 GHG emission levels) and have remained below ever since. Overall trends indicate that the carbon intensity of California's economy is declining.

Additional notable trends visible in the data collected thus far in the emission inventories for 2000-2019 include the following (CARB, 2021):
- Transportation emissions decreased in 2019 compared to the previous year.
- California's electricity sector has experienced an overall downward trend in emissions since 2008.
- Solar power generation has continued its rapid growth since 2013.
- Emissions from high-GWP refrigerants increased in 2019. This upward trend is due to high-GWP refrigerants replacing Ozone Depleting Substances (ODS) which are being phased out in accordance with the 1987 Montreal Protocol.

CARB estimates that transportation was the source of approximately 39.7% of California's GHG emissions in 2019, followed by electricity generation at 14.1%. Other sources of GHG emissions were industrial sources at 21.1%, residential plus commercial activities at 10.5%, agriculture at 7.6%, and high-GWP sources at 4.9% (CARB, 2021).

3.3 Existing Policies and Regulations – Air Quality

Established federal, state, and regional regulations provide the framework for analyzing and controlling air pollutant emissions and thus general air quality. The U.S. EPA is responsible for implementing the programs established under the federal Clean Air Act, such as establishing and reviewing the federal ambient air quality standards and judging the adequacy of State Implementation Plans (SIPs), described further below. However, the U.S. EPA has delegated the authority to implement many of the federal programs to the states while retaining an oversight role to ensure that the programs continue to be implemented. In California, CARB is responsible for establishing and reviewing the state ambient air quality standards, developing and managing the California SIP, securing approval of this plan from the U.S. EPA, and identifying toxic air contaminants (TACs). CARB also regulates mobile emissions sources in California, such as construction equipment, trucks, and automobiles, and oversees the activities of air quality management districts

(AQMDs), which are organized at the county or regional level. An AQMD is primarily responsible for regulating stationary emissions sources at facilities within its geographic areas and for preparing the air quality plans that are required under the federal Clean Air Act and 1988 California Clean Air Act. The BAAQMD is the regional agency with regulatory authority over emission sources in the nine-county San Francisco Bay Area.

3.3.1 Federal Regulatory Authority

The U.S. EPA has responsibility for enforcing, on a national basis, the requirements of many of the country's environmental laws. Region 9, headquartered in San Francisco, is responsible for the local administration of U.S. EPA programs for California, Arizona, Nevada, Hawaii, and certain Pacific trust territories. The U.S. EPA's activities, relative to the California air pollution control program, focus principally on reviewing California's submittals for the SIP. The SIP is required by the federal Clean Air Act to demonstrate how all areas of the state will meet the NAAQS within the federally-specified deadlines.

The Federal Clean Air Act (CAA) establishes a federal requirement for the U.S. EPA to develop and adopt air quality standards, the NAAQS (see Table 3-1), and specifies future dates for achieving air quality compliance. The CAA further mandates that states submit and implement SIPs for those areas not meeting these standards. The SIPs must include air pollution control measures that demonstrate how the NAAQS will be met. The 1990 amendment to the CAA requires that areas not meeting NAAQS demonstrate reasonable further progress toward attainment and incorporate sanctions for failure to attain or meet specific attainment milestones. Each state is required to adopt an implementation plan outlining pollution control measures to attain the federal standards in nonattainment areas of the state. CARB is responsible for incorporating AQMPs for local air basins into a SIP, which is then reviewed and approved by the U.S. EPA.

In addition to requiring the establishment of NAAQS and the development and maintenance of SIPs, the CAA authorizes the U.S. EPA to establish regulations on certain categories of stationary sources of air pollution.

Specifically, Section 111 of the CAA authorizes the U.S. EPA to establish standards of performance for new and existing sources, commonly referred to as New Source Performance Standards (NSPS). NSPS Subpart IIII establishes emission standards, fuel requirements, testing requirements, and other compliance requirements for manufacturers, owners, and operators of stationary compression-ignition internal combustion engines.

The generators are subject to Subpart IIII. Per 40 CFR §60.4205(b) and §60.4202, emergency compression ignition (CI) engines rated between 50 bhp and 3,000 bhp are subject to the emissions standards in 40 CFR §89.112, Table 1, as follows. Further, emergency CI engines rated above 3,000 bhp that are not fire pump engines are subject to the same emission standards, as follows:

- NO_X + NMHC: 6.4 g/kw-hr (4.8 g/bhp-hr)
- CO: 3.5 g/kw-hr (2.6 g/bhp-hr)
- PM: 0.20 g/kw-hr (0.15 g/bhp-hr)

Using the recommended BAAQMD procedure for separating the NO_x+NMHC value, the applicable standard for NO_x would be 4.56 g/bhp-hr, and the applicable standard for NMHC (ROG) would be 0.24 g/bhp-hr (BAAQMD, 2004).[3]

[3] Assumes a breakdown of 5% NMHC and 95% NO_x.

The proposed critical backup generators, life safety generator, and security generator will satisfy these requirements based upon EPA engine family certification levels supplied by the manufacturer. In addition, the proposed critical backup generators and life safety generator will utilize a DPF which will reduce the PM emissions down to no greater than 0.02 g/bhp-hr for the critical backup generators and 0.0123 g/bhp-hr for the life safety generator.

Similarly, Section 112 of the CAA authorizes the U.S. EPA to establish emission standards for listed hazard air pollutants, commonly referred to as National Emission Standards for Hazardous Air Pollutants (NESHAPs). NESHAP Subpart ZZZZ establishes national emission and operating limitations for hazardous air pollutants (HAP) emitted from stationary reciprocating internal combustion engines located at major and area sources of HAP emissions. The proposed generators meet the requirements of NESHAP Subpart ZZZZ through compliance with NSPS Subpart IIII per 40 CFR §63.6590(c)(1).

The U.S. EPA also has jurisdiction over emissions from non-stationary sources that are under the authority of the federal government, including aircraft, locomotives, and emissions sources outside state waters. The U.S. EPA also establishes emission standards for vehicles sold in states other than California. Automobiles sold in California must meet the stricter emission requirements set by CARB.

3.3.2 State of California Regulatory Authority

CARB is responsible for ensuring the implementation of the California Clean Air Act and for regulating emissions from consumer products and motor vehicles. The California Clean Air Act mandates the achievement of the maximum degree of emissions reductions possible from vehicular and other mobile sources in order to attain CAAQS by the earliest practical date. CARB established the CAAQS for all pollutants for which the federal government has NAAQS. Additional standards for sulfates, visibility-reducing particles, H_2S, and vinyl chloride have been established; however, they are not considered to be a regional air quality problem at this time. H_2S, vinyl chloride, sulfates, and visibility-reducing particles are not measured at any monitoring station in the Bay Area Air Basin. Generally, the CAAQS are equal to or more stringent than the NAAQS.

CARB also implements the ATCM for Stationary Compression Ignition Engines (Stationary CI Engine ATCM) under Title 17 of the California Code of Regulations (CCR) Section 93115. The generators are considered new >50 bhp emergency standby diesel-fueled CI engines and will comply with the ATCM by firing ultra-low sulfur diesel, maintaining a Tier 4F-compliant, Tier 2 or Tier 3 engine certification to meet emission standards, operating with a non-resettable hour meter, and operating no more than 50 hours per year for maintenance and testing purposes.

3.3.3 Regional Regulatory Authority

The Clean Air Act requires that regional planning and air pollution control agencies prepare a regional Air Quality Plan to outline the measures by which both stationary and mobile sources of pollutants can be controlled in order to achieve all standards specified in the Clean Air Act. The California Clean Air Act also requires the development of air quality plans and strategies to meet state air quality standards in areas designated as nonattainment (with the exception of areas designated as nonattainment for the state PM standards). Maintenance plans are required for attainment areas that had previously been designated as nonattainment in order to ensure continued attainment of the standards.

For air quality planning purposes, the Bay Area Air Basin is classified as a nonattainment area for O_3 and $PM_{2.5}$. BAAQMD is required to update its Clean Air Plan to reflect progress in meeting the air quality

standards and to incorporate new information regarding the feasibility of control measures and new emission inventory data. The Bay Area's record of progress in implementing previous measures must also be reviewed. Bay Area plans are prepared with the cooperation of the Metropolitan Transportation Commission (MTC), and the Association of Bay Area Governments (ABAG). On April 19, 2017, the BAAQMD adopted the most recent revision to the Clean Air Plan - the *BAAQMD 2017 Clean Air Plan: Spare the Air, Cool the Climate* (2017 Clean Air Plan) (BAAQMD, 2017a). The 2017 Clean Air Plan serves to:

- Describe a comprehensive control strategy to protect public health and the climate;
- Update the Bay Area 2010 Clean Air Plan in accordance with the requirements of the California Clean Air Act to implement "all feasible measures" to reduce emissions of O_3 precursors and to reduce transport of O_3 and its precursors to neighboring air basins;
- Enhance efforts to reduce emissions of particulate matter and toxic air contaminants; and
- Lay the groundwork for a long-term effort to reduce GHG emissions in the Bay Area Air Basin.

3.3.4 Local Regulatory Authority

BAAQMD Rules and Regulations. The BAAQMD is the regional agency responsible for rulemaking, permitting, and enforcement activities affecting stationary sources of air pollutant emissions in the Bay Area Air Basin. Specific rules and regulations adopted by the BAAQMD limit the emissions that can be generated by various activities and identify specific pollution reduction measures that must be implemented in association with these activities. These rules regulate not only emissions of the six criteria air pollutants, but also toxic emissions and acutely hazardous non-radioactive materials emissions.

Emissions sources subject to these rules are regulated through the BAAQMD's permitting process and standards of operation. Through this permitting process, including an annual permit review, the BAAQMD monitors generation of stationary emissions and uses this information in developing its air quality plans. Any sources of stationary emissions constructed as part of a project within BAAQMD's jurisdiction are subject to the BAAQMD Rules and Regulations. Both federal and state O_3 plans rely upon stationary source control measures set forth in BAAQMD's Rules and Regulations.

BAAQMD Regulation 2 Rule 2 – *New Source Review (NSR)* applies to all new or modified sources requiring a Permit to Operate (PTO) for any new source with actual or potential emissions above the rule trigger limit. The rule also specifies when BACT is required. Per the BACT requirements for CI Stationary Emergency engines rated at greater than or equal to 1,000 bhp (BAAQMD, 2020b), the following emission limits are BACT for the proposed critical backup generators:

- PM: 0.02 g/bhp-hr
- NO_X: 0.5 g/bhp-hr
- POC (NMHC): 0.14 g/bhp-hr
- CO: 2.6 g/bhp-hr
- SO_2: fuel sulfur content not to exceed 15 ppmw

Per the BACT requirements for CI Stationary Emergency engines rated at greater than 50 bhp and less than 1,000 bhp (BAAQMD, 2020c), the following emission limits are BACT for the proposed life safety generator, which reflects the CARB ATCM standard for engines rated greater than 750 bhp and less than 1,000 bhp:

- PM: 0.15 g/bhp-hr
- NMHC+NO_X: 4.8 g/bhp-hr
- CO: 2.6 g/bhp-hr
- SO_2: fuel sulfur content not to exceed 15 ppmw

Using the recommended CARB procedure for separating the NO_x+NMHC value based on 95% NO_x and 5% NMHC, the applicable standard for NO_x would be 4.56 g/bhp-hr, and the applicable standard for NMHC (ROG) would be 0.24 g/bhp-hr.

The following emission limits are BACT for the proposed security generator, which reflect the CARB ATCM standard for engines rated greater than 175 bhp and less than 300 bhp:

- PM: 0.15 g/bhp-hr
- NMHC+NO_X: 3.0 g/bhp-hr
- CO: 2.6 g/bhp-hr
- SO_2: fuel sulfur content not to exceed 15 ppmw

Using the recommended CARB procedure for separating the NO_x+NMHC value, the applicable standard for NO_x would be 2.85 g/bhp-hr, and the applicable standard for NMHC (ROG) would be 0.15 g/bhp-hr.

The critical backup generators, life safety generator, and security generator proposed for the Project meet these emission limits, so BACT is satisfied.

BAAQMD Rule 2-2-302, *Offset Requirements, Precursor Organic Compounds and Nitrogen Oxides,* and Rule 2-2-303, *Offset Requirements, $PM_{2.5}$, PM_{10}, and Sulfur Dioxide,* require offsets of emissions from new or modified sources of precursor organic compounds (POC), NO_X, $PM_{2.5}$, PM_{10}, and SO_2. Offsets are required for facilities that have a Potential to Emit (PTE) of more than 10 tons per year of POC or NO_x, or more than 100 tons per year of $PM_{2.5}$, PM_{10}, or SO_2. Per BAAQMD policy "Calculating Potential to Emit for Emergency Backup Power to Generators," published on June 3, 2019, once offset applicability has been determined using proposed non-emergency operation hours (i.e., 50 hours per year) and 100 hours of emergency use per year, the amount of offsets required is calculated using only non-emergency operation hours. Note that the 100 hours of emergency use is only to be used for determining offset applicability. The policy further acknowledges the 100 hours as a presumption specific for determining whether a facility is subject to the BAAQMD's permitting regulations intended for evaluating a facility's highest potential emissions, even if the emissions will not reach that those emissions every year. As such, only 50 hours per year for testing and maintenance operations is used to determine the amount of offsets required. The Project's stationary source potential to emit, including the additional 100 hours of emergency operation required by the policy, will remain below 10 tons per year of NO_x and POC, and as such, offsets are not anticipated to be required.

BAAQMD Rule 2-5 applies to new or modified sources of TACs for which an application is submitted on or after July 1, 2005. All TAC emissions from new and modified sources are subject to a health risk assessment (HRA) if emissions of any individual TAC exceed the trigger thresholds specified in Table 2-5-1 of Rule 2-5. The Project is a source of DPM and ammonia. DPM has a chronic trigger level of 0.26 pounds per year and ammonia has a chronic trigger level of 7,700 pounds per year and an acute trigger level of 1.4 pounds per hour.[4] If a project's TAC PTE is greater than the trigger levels, the project is subject to the risk assessment requirements of Rule 2-5. Rule 2-5 requires Best Available Control Technology for Toxics (TBACT) for any new or modified source of TACs with a cancer risk greater than 1.0 in one million or a chronic hazard index greater than 0.20. According to the BAAQMD BACT/TBACT Workbook Document Number 96.1.5 (12/22/2020), TBACT for engines rated greater than or equal to 1,000 bhp is an engine certified to meet the PM_{10} emission limit of 0.02 g/bhp-hr. According to the BAAQMD BACT/TBACT Workbook Document Number 96.1.3 (12/22/2020), TBACT for engines rated greater than 50 bhp and less than 1,000 bhp is an engine certified to meet a PM_{10} emission limit of 0.15 g/bhp-hr. The proposed critical backup generators are Tier

[4] There is no acute trigger level for DPM.

4F-compliant and the life safety generator and security building generator are certified Tier 2 or higher engines and will meet the TBACT requirements of Rule 2-5.

Rule 2-5's latest amendment adopted December 2021 requires that the project risk for projects in Overburdened Communities do not exceed a cancer risk of 6.0 in one million, a chronic hazard index of 1.0, or an acute hazard index of 1.0. The generators are located within an Overburdened Community and will comply with the applicable Rule 2-5 standards as demonstrated in Section 4.7.7.

BAAQMD Rule 2-6, *Major Facility Review*, implements permitting requirements of Title V of the Clean Air Act, and is applicable to major facilities and other facilities designated as requiring a Title V permit. Per Section 2-6-212, a major facility has the potential to emit 100 tons per year or more of any regulated air pollutant, 10 tons per year or more of a single hazardous air pollutant, or 25 tons per year or more of a combination of HAPs. Alternatively, a facility may elect to implement enforceable permit conditions such that its PTE is limited to below the major facility thresholds, in which case the facility is considered a synthetic minor facility. The Project's stationary source potential to emit will remain below the major facility thresholds, thus the Project will not be subject to Rule 2-6 and will be evaluated during BAAQMD's permitting process.

BAAQMD Rule 9-8, *Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines*, limits emissions and operating hours and outlines recordkeeping requirements for emergency engines rated greater than 50 bhp.

Santa Clara County General Plan. The Health and Safety Chapter of the *Santa Clara County General Plan, 1995-2010* (Santa Clara County, 1994) was amended in 2015. The *Health Element of the Santa Clara County General Plan* has been prepared as a new element, incorporating and updating certain existing subject matter and policies from the existing Health and Safety Chapters (Santa Clara County, 2015). The new Health Element includes strategies and policies that are intended to convey a comprehensive approach for improving air quality, protecting the climate, and protecting public health. Air Quality and Climate Change Strategy #1 is to "[s]trive for air quality improvement through regional and local land use, transportation, and air quality planning." Listed below are the air quality-related policies related to Strategy #1 with potential relevance to the proposed Project.

- HE-G.1 Air quality environmental review. Continue to utilize and comply with the Air District's project- and plan-level thresholds of significance for air pollutants and GHG emissions.
- HE-G.2 Coordination with regional agencies. Coordinate with the Air District to promote and implement stationary and area source emission measures.
- HE-G.3 Fleet upgrades. Promote Air District mobile source measures to reduce emissions by accelerating the replacement of older, dirtier vehicles and equipment, and by expanding the use of zero-emission and plug-in vehicles.
- HE-G.4 Off-road sources. Encourage mobile source emission reduction from off-road equipment such as construction, farming, lawn and garden, and recreational vehicles by retrofitting, retiring, and replacing equipment and by using alternative fuel vehicles.
- HE-G.5 GHG reduction. Support efforts to reduce GHG emissions from mobile sources, such as reducing vehicle trips, vehicle use, vehicle miles traveled (VMT), vehicle idling, and traffic congestion. These efforts may include improved transit service, better roadway system efficiency, state-of-the-art signal timing, and Intelligent Transportation Systems (ITS), transportation demand management, parking and roadway pricing strategies, and growth management measures.
- HE-G.7 Sensitive receptor uses. Promote measures to protect sensitive receptor uses, such as residential areas, schools, day care centers, recreational playfields and trails, and medical facilities by locating uses

away from major roadways and stationary area sources of pollution, where possible, or incorporating feasible, effective mitigation measures.

- HE.G.9 Health infill development. Promote measures and mitigations for infill development to protect residents from air and noise pollution, such as more stringent building performance standards, proper siting criteria, development and environmental review processes, and enhanced air filtration.
- HE-G.12 Energy technologies. Support regional and local initiatives that promote integrated building systems, distributed generation, demand response programs, smart grid infrastructure, energy storage and backup, and electric transportation infrastructure.

Gilroy General Plan. The Natural and Cultural Resources chapter of the *Gilroy General Plan* adopted in November 2020 addresses the city's goals, policies, and implementing actions for air quality (City of Gilroy, 2020). Listed below are the air quality-related policies with potential relevance to the proposed Project:

- NCR 3.14 Prepare a Qualified GHG Reduction Plan - Pursue funding through grants and any other appropriate funding mechanisms, including California Air Resources Board's list of programs and projects, California State Coastal Conservancy's Climate Ready Grant Program, Climate Corps, and CivicSpark. The plan may be prepared by amending the Gilroy 2040 General Plan or by preparing a separate GHG reduction plan. In either case, requirements for a qualified GHG reduction plan as identified in State CEQA Guidelines, § 15183.5 (b)(1) must met. Accordingly, definition and implementation of GHG reduction measures in addition to those identified in Gilroy 2040 General Plan policies and programs may be required to show progress towards meeting the reduction targets established in the GHG reduction plan.
- NCR 3.15 Reduce Construction Emissions - Require the use of low emissions construction equipment for public and private projects, consistent with the Air District 2017 Clean Air Plan. Where construction-related emissions would exceed the applicable Thresholds of Significance, the City will consider, on a case-by-case basis, implementing Additional Construction Mitigation Measures.
- NCR 3.16 Implement Dust-Control Measures - Require the implementation of the Air District's dust control measures during construction of individual projects, consistent with the Air District 2017 Clean Air Plan.
- NCR 3.17 Sensitive Receptors within 500 feet of U.S. Highway 101 - Require modeling of toxic air contaminants, and include mitigation as may be appropriate, prior to approval of new residential development within 500 feet of U.S. Highway 101, to ensure significant health risks are mitigated.
- NCR 3.18 Sensitive Receptors within 500 feet of Existing Point Sources or Existing Heavy Industrial Designated Areas. - Require modeling of toxic air contaminants, and include mitigation as may be appropriate, prior to approval of new residential development within the Downtown Specific Plan within 500 feet of existing point sources with screening factors in excess of thresholds, or within 500 feet of areas designated Heavy Industrial, to ensure significant health risks are mitigated.
- NCR 3.19 New Industrial Uses within 500 feet of Sensitive Receptors. - Require modeling, and include mitigation as may be appropriate, of toxic air contaminants prior to approval of new industrial development within 500 feet of residential uses, Neighborhood District designations, or the Downtown Specific Plan, to ensure significant health risks are mitigated.

3.3.5 Regulatory Authority for Odors and Nuisances

Although offensive odors from stationary sources rarely cause any physical harm, they remain unpleasant and can lead to public distress, generating citizen complaints to local governments. The occurrence and severity of odor impacts depend on the nature, frequency, and intensity of the source; wind speed and direction; and the distance from and sensitivity of receptors. The BAAQMD's CEQA Air Quality Guidelines recommend that odor impacts be considered for any proposed new odor sources located near existing receptors, as well as any new sensitive receptors located near existing odor sources (BAAQMD, 2022b). The

BAAQMD's CEQA Air Quality Guidelines considers land planning the primary method to mitigate impacts, and recommends implementing odor management plans where physical separation between odor sources and receptors is not possible.

3.3.6 Toxic Air Contaminants Regulations – Air Quality

TACs are regulated under both state and federal laws. Federal laws use the term HAPs to refer to similar types of compounds that are referred to as TACs under state law, however, there are some differences between HAPs and TACs. Both terms encompass essentially the same compounds. Under the 1990 Clean Air Act Amendments, 189 substances were regulated as HAPs. Since 1990, the U.S. EPA has modified the list through rulemaking to include 187 HAPs.

AB 2588. With respect to state law, in 1983 the California legislature adopted AB 1807, which establishes a process for identifying TACs and provides the authority for developing retrofit air toxics control measures on a statewide basis. Air toxics in California also may be regulated under the Air Toxics "Hot Spots" Information and Assessment Act of 1987, or AB 2588.

Under AB 2588, TACs from individual facilities must be quantified and reported to the local air pollution control agency or air quality management district. The facilities are then prioritized by the local agencies based on the quantity and toxicity of these emissions, and on their proximity to areas where the public may be exposed. In establishing priorities, the air districts are to consider the potency, toxicity, quantity, and volume of hazardous materials released from the facility; the proximity of the facility to potential receptors; and any other factors that the air district determines may indicate that the facility may pose a significant risk. High priority facilities are required to perform an HRA, and, if specific risk thresholds are exceeded, they are required to communicate the results to the public through notices and public meetings. Depending on the health risk contributions, emitting facilities can be required to implement varying levels of risk reduction measures. CARB identified approximately 1,400 TACs, including the 187 federal HAPs, under AB 2588.

AB 617. In July 2017, AB 617 was approved by the Governor. AB617 aims to reduce criteria pollutant and toxic air contaminant emissions within the state of California. The bill presents four main elements in order to achieve this goal:

- Monitoring
  - Identification and recommendation of communities that have a high cumulative exposure burden
  - Establishment of a statewide monitoring plan
  - Set-up and operation of District and Community networks including public availability/presentation of statewide data
- Community Emission Reduction Plans
  - For identified communities and integration with the statewide strategy for AB617 implementation
  - Potentially resulting in the development of District Community Emission Reduction Plans
  - Potentially resulting in the development of state and District emission reduction strategies
- Best Available Retrofit Control Technology (BARCT)
  - Development of a Statewide BACT/BARCT clearinghouse
  - BARCT implementation and the adoption of an expedited timeline for select source categories
- Emission Reporting
  - Development of a Uniform Statewide Reporting platform
  - Establishment of a statewide pollution mapping tool

BAAQMD is responsible for administering federal and state regulations related to TACs in the Bay Area Air Basin. Under federal law, these regulations include NESHAPs and Maximum Achievable Control Technology

(MACT) for affected sources. BAAQMD also administers the state regulations AB 1807 and AB 2588, which were discussed above. In addition, the agency requires that new or modified facilities that emit TACs perform air toxics screening analyses as part of the permit application. TAC emissions from new and modified sources are limited through the air toxics new source review program, which superseded the BAAQMD Risk Management Policy, in BAAQMD Regulation 2, Rule 5 for New Source Review of Toxic Air Contaminants. Sources must use the TBACT if health risk modeling identifies an individual source cancer risk of greater than 1 in a million or a chronic hazard index greater than 0.20.

Specific TAC regulations and considerations relevant to the Project are described below.

Diesel Risk Reduction Plan. In August 1998, CARB identified particulate emissions from diesel-fueled engines (DPM) as TACs. CARB developed the *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles* and the *Risk Management Guidance for the Permitting of New Stationary Diesel-Fueled Engines* (CARB, 2000a and 2000b). The goal of these programs is to reduce DPM emissions and the associated health risk by 75 percent in 2010 and by 85 percent in 2020 and to implement regulations that include increasingly stringent emissions standards for on-road diesel trucks and buses, off-road diesel vehicles and equipment, and stationary diesel engines.

In 2001, the U.S. EPA promulgated regulations 40 CFR Parts 69, 80, and 86 (U.S. EPA, 2001) requiring that the sulfur content in motor on-road vehicle diesel fuel be reduced to less than 15 ppm as of June 1, 2006. The U.S. EPA also finalized a comprehensive national emissions control program, the 2007 Heavy-duty Highway Diesel Program (also known as the HD 2007 Program), which regulates highway heavy-duty vehicles and diesel fuel as a single system. Under the HD 2007 program, the U.S. EPA established new emission standards that would significantly reduce PM and NO_X from highway heavy-duty vehicles by the time the current heavy-duty vehicle fleet has been completely replaced in 2030.

The U.S. EPA also promulgated new emission standards for nonroad diesel engines and sulfur reductions in nonroad diesel fuel that would dramatically reduce emissions attributed to nonroad diesel engines. Similar but more stringent standards have been established by CARB. This affects emissions from construction equipment, locomotives, and marine diesel equipment and vehicles. The general objective is to reduce PM emissions from diesel vehicles to levels of below 0.01 grams per brake horsepower-hour (g/bhp-hr) beginning with 2007 model year engines.

3.4 Existing Policies and Regulations – GHGs

3.4.1 International Regulation – GHG

Intergovernmental Panel on Climate Change (IPCC). In 1988, the United Nations created the IPCC to provide independent scientific information regarding climate change to policymakers. The IPCC does not conduct research itself, but rather compiles information from a variety of sources into reports regarding climate change and its impacts. The IPCC has thereafter periodically released reports on climate change, and in 2018 released its Global Warming of 1.5 degrees C, which concluded that "[w]arming of the climate system is unequivocal," and that "[a]nthropogenic GHG emissions … are extremely likely to have been the dominant cause of the observed warming since the mid-20th century" (IPCC, 2018).

United Nations Framework Convention on Climate Change. On March 21, 1994, the United States joined numerous countries around the world in signing the United Nations Framework Convention on Climate Change (UNFCCC). Under the UNFCCC, governments gather and share information on GHGs, national policies, and best practices; launch national strategies for addressing GHGs and adapting to

expected impacts, including the provision of financial and technological support to developing countries; and cooperate in preparing for adaptation to the impacts of climate change.

Kyoto Protocol. The Kyoto Protocol is an international agreement linked to the UNFCCC (discussed above). The major feature of the Kyoto Protocol is that it sets binding targets for 37 industrialized countries and the European community for reducing GHGs an average of 5% against 1990 levels over the five-year period from 2008–2012. Whereas the UNFCCC only encouraged industrialized countries to stabilize emissions, the Protocol commits them to do so. Developed countries have contributed more emissions over the last 150 years than underdeveloped countries; therefore, the Protocol places a heavier burden on developed nations under the principle of "common but differentiated responsibilities." The United States has not entered into force of the Kyoto Protocol.

Paris Agreement. In April 2015, representatives from 196 state parties signed the Paris Agreement, an agreement within the UNFCCC, dealing with GHG emissions mitigation, adaptation, and finance with the goals of keeping the global average temperature increase below 2 °C (3.6 °F) above pre-industrial levels, and ideally, below 1.5 °C (2.7 °F) recognizing that this would substantially reduce the risks and impacts of climate change. Each signatory country must plan, implement, and regularly report on the actions taken to mitigate climate change. While there are no overarching emissions targets or deadlines, each self-determined target should go beyond previously set targets. In June 2017, the U.S. announced its intention to withdraw from the agreement; however, the earliest effective date of withdrawal for the U.S. is November 2020. In response to this announcement, the United States Climate Alliance was formed by governors committing to uphold the objectives of the Paris Agreement as applicable to their states. California is a member of the United States Climate Alliance.

3.4.2 Federal Regulations and Standards – GHG

Federal Regulation of Climate Change. The United States historically has had a voluntary approach to reducing GHG emissions. However, on April 2, 2007, the U.S. Supreme Court ruled that the U.S. EPA has the authority to regulate CO_2 emissions under the CAA. The U.S. EPA's GHG Tailoring Rule, issued in May 2010, established initial emission thresholds for Prevention of Significant Deterioration (PSD) and Title V permitting based on CO_2e emissions. This rule was amended in 2012, then in 2014, the U.S. Supreme Court decided that EPA may not treat GHGs as an air pollutant for purposes of determining whether a source is a major source required to obtain a PSD or Title V permit. However, PSD permits that are otherwise required (based on emissions of other non-GHG regulated pollutants) may continue to limit GHG emissions through BACT requirements.

During the Obama administration, new NSPS were implemented limiting emissions from methane and the Clean Power Plan was established requiring states to limit GHG emissions from electricity generation. These GHG-related rules have experienced significant push-back and litigation, and in June 2019, the Clean Power Plan was replaced by the less-stringent Affordable Clean Energy rule.

Consolidated Appropriations Act of 2008 - Mandatory Reporting of GHG. The Consolidated Appropriations Act of 2008, passed in December 2007, requires the establishment of mandatory GHG reporting requirements. On September 22, 2009, the U.S. EPA issued the Final Mandatory Reporting of GHGs rule. The rule requires reporting of GHG emissions from large sources and suppliers in the United States and is intended to collect accurate and timely emissions data to inform future policy decisions. Under the rule, suppliers of fossil fuels or industrial GHGs, manufacturers of vehicles and engines, and facilities that emit 25,000 metric tons or more per year of GHG emissions are required to submit annual reports to the U.S. EPA.

3.4.3 State Regulations and Standards – GHG

Executive Order S-3-05. Executive Order S-3-05 was signed by the Governor in 2005 proclaiming California is vulnerable to the impacts of climate change. It states that increased temperatures could reduce the Sierra Nevada's snowpack, worsen California's air quality problems, and potentially cause a rise in sea levels. The Executive Order establishes total GHG emission targets that require reducing GHG emissions to the 2000 level by 2010, the 1990 level by 2020, and to 80% below the 1990 level by 2050. The 2050 reduction goal represents what scientists believe is necessary to reach levels that will stabilize the climate. The 2020 goal was established to be an aggressive, but achievable, midterm target.

AB 32. California's major initiative for reducing GHG emissions is outlined in AB 32, the California Global Warming Solutions Act of 2006, passed by the Legislature on August 31, 2006. The bill requires CARB to do the following (CARB, 2018b):

- "Prepare and approve a Scoping Plan for achieving the maximum technologically feasible and cost-effective reductions in GHG emissions from sources or categories of sources of GHGs by 2020, and update the Scoping Plan every five years.
- Maintain and continue reductions in emissions of GHG beyond 2020.
- Identify the statewide level of GHG emissions in 1990 to serve as the emissions limit to be achieved by 2020.
- Identify and adopt regulations for discrete early actions that could be enforceable on or before January 1, 2010.
- Adopt a regulation that establishes a system of market-based declining annual aggregate emission limits for sources or categories of sources that emit GHG emissions.
- Convene an Environmental Justice Advisory Committee to advise the Board in developing and updating the Scoping Plan and any other pertinent matter in implementing AB 32.
- Appoint an Economic and Technology Advancement Advisory Committee to provide recommendations for technologies, research and GHG emission reduction measures."
- California's Cap and Trade program was launched in 2013, and in 2016, California achieved the 2020 GHG reduction target.

AB 1279. California Assembly Bill 1279, also recognized as the California Climate Crisis Act, mandates the state board to undertake the following actions:

- Establish a statewide limit on greenhouse gas emissions, akin to the 1990 levels, by the year 2020.
- Ensure that statewide greenhouse gas emissions are diminished to a minimum of 40% below the 1990 levels by 2030.
- Submit an annual report to track progress.

This legislation also introduces Section 38562.2 into the California Health and Safety Code, which pertains to GHG regulations. California has set a target to attain carbon neutrality by 2045, meaning the state aims to offset the same quantity of carbon emissions it releases by removing emissions from the atmosphere. California's strategy to reach this objective includes a greater than 85% reduction in fossil fuel demand.

Executive Order B-30-15. The 2020 GHG emission reduction goal was achieved ahead of schedule leading to the issuance of Executive Order B-30-15 in 2015 which establishes a GHG "reduction target of 40% below 1990 levels by 2030 – the most aggressive benchmark enacted by any government in North America to reduce dangerous carbon emissions over the next decade and a half" (State of California, 2015). Executive Order B-30-15 was issued in support of the goals outlined in Executive Order S-3-05. The 2022

Scoping Plan, discussed below, outlines the main state strategies for meeting the 2030 deadline and to reduce GHGs that contribute to global climate change.

2022 Scoping Plan. CARB adopted the initial Climate Change Scoping Plan (Scoping Plan) in 2008, which outlines actions recommended to obtain the AB 32 goals. The Scoping Plan called for an "ambitious but achievable" reduction in California's GHG emissions, cutting approximately 30% from business-as-usual emission levels projected for 2020, or about 10% from today's levels. AB 32 requires that CARB update the scoping plan at least every five years. The first update to the Climate Change Scoping Plan was released on May 15, 2014, and built upon the initial Scoping Plan with new recommendations. Shortly after California met the 2020 GHG reduction target, the 2017 Scoping Plan was developed to identify new policies and actions to meet the 2030 GHG reduction goals (outlined in Executive Order B-30-15), and to address international goals. In November 2022, CARB redeveloped the 2017 Scoping Plan to further assess how the GHG emission reduction target can be achieved.

The 2022 Scoping Plan for Achieving Carbon Neutrality (Scoping Plan) sets out actions to reduce GHG, criteria pollutant, and toxic air contaminant emissions in California. It integrates ongoing efforts to transition away from fossil fuels by identifying and planning for the phase-in of clean technologies and sustainable fuels. This comprehensive plan outlines a technologically feasible and cost-effective path to achieve carbon neutrality by 2045, aligning with California's goal to reduce GHG emissions by at least 40 percent below 1990 levels by 2030. The plan emphasizes the critical importance of the coming decade for transformative action and introduces new GHG reduction strategies, including the consideration of Natural and Working Lands as both emission sources and carbon sinks. It outlines specific actions, evaluates their impact on air quality and the economy, and emphasizes the importance of partnerships to drive investment in a low-carbon economy.

The 2022 Scoping Plan involves the following principles which inform the approach to addressing the climate challenge (CARB, 2022):

1. *Unprecedented Investments in a Sustainable Future*

   The California Climate Commitment is an initiative aimed at using investment as a tool to achieve California's carbon neutrality goals by 2023. It allocates $10 billion for zero-emission vehicles, focusing on electric school buses and an accessible charging network, emphasizing heavy-duty vehicles and port electrification to reduce emissions in low-income communities. Additionally, it earmarks $2.1 billion for clean energy, $13.8 billion for transportation sector emissions reduction, over $720 million for climate innovation in higher education, nearly $1 billion for sustainable housing, and $9 billion for wildfire risk reduction and resilience. These investments incentivize emission reduction strategies, and align with federal and state programs while ensuring market stability for automakers transitioning to zero-emission vehicles.

2. *Centering Equity*

   The plan aligns with the governor's Executive Order to embed equity considerations within GHG reduction strategies, focusing on historically underserved and marginalized communities. The plan emphasizes climate and air initiatives with the focus of prioritizing equity by reducing air pollution disparities, reducing costs for low-income residents, and fostering high-quality jobs. Per AB 32, the development of the Scoping plan involves the convening of an Environmental Justice Advisory Committee comprised of representatives from communities with the most significant exposure to air pollution, including communities with minority populations and/or low-income populations. Moreover, the Scoping Plan reaffirms a commitment to partnering with the 109 federally recognized tribes and over 60 non-federally recognized tribes in California. Laws like

Senate Bill 535 and AB 1550 guide investments to assist vulnerable communities, further reinforcing the state's commitment to a resilient, just, and equitable future while addressing the climate crisis.

3. *Maximizing Air Quality and Health Benefits*

   The Scoping Plan outlines actions that offer both immediate air quality improvements for communities with the highest exposure to pollution and long-term GHG benefits. Many of these actions align with the 2022 State Strategy for the State Implementation Plan, which focuses on meeting federal air quality standards and reducing harmful air pollution.

4. *Economic Resilience*

   The state is investing in workforce training and supporting workers transitioning from fossil fuel industries. A $1 billion investment aims to create new jobs and assist communities during this transition. The Community Economic Resilience Fund Program focuses on sustainable job creation. To ensure a smooth shift, ongoing dialogue with workers and affected communities is named as a priority. Additionally, California is updating funding guidelines to reinforce job creation and workforce development within clean energy through Assembly Bill 680.

5. *Partnering Across Government*

   The federal government's Inflation Reduction Act of 2022 allocates $369 billion to bolster domestic energy production and manufacturing, with an expected 40 percent reduction in U.S. GHG emissions by 2030. This legislation includes incentives for clean vehicles, ENERGY STAR appliances, and enhancements in transportation and clean energy accessibility for underserved communities. State agencies are encouraged to use the Scoping Plan to assess and update their own programs and policies to align with the identified actions.

6. *Partnering with the Private Sector*

   The Scoping Plan emphasizes that Public funds and clear policies should drive private-sector efforts in emissions reduction and community resilience. Governor Newsom aims to collaborate with businesses, including small ones, to leverage their innovation and resources in tackling climate challenges. The Scoping Plan describes public private partnerships such as the Catalyst Fund, which has areas of investment including forest biomass management and utilization, climate-smart agriculture, and clean energy transmission.

7. *Supporting Innovation*

   The Scoping Plan outlines the need for innovation in non-combustion technologies, clean energy, CO2 removal options, and alternatives to short lived climate pollutants. The Scoping Plan also emphasizes the impact of AB 32 policies and programs which support both the supply and demand side to build new markets in California, especially in the fields of zero emissions vehicles, low carbon fuels, and small-scale energy storage.

8. *Engagement with Partners to Develop, Coordinate, and Export Policies*

   The Scoping Plan outlines cases in which California has collaborated with other states, tribal governments, the federal government, and international jurisdictions to develop effective strategies for reducing GHGs and to manage GHG control programs. The goal is to create integrated and cost-effective GHG reduction initiatives at regional, national, and international levels.

9. *Working Toward Carbon Neutrality*

The Scoping Plan has been expanded to include new sources and sinks within the context of achieving carbon neutrality. While natural and working lands have a crucial role in sequestering carbon, modeling indicates that they alone cannot achieve carbon neutrality by 2045. Therefore, the Scoping Plan also explores the role of carbon capture and sequestration, along with biological and mechanical carbon sequestration processes outlined in the IPCC Sixth Assessment Report.

10. *Supporting Healthy and Resilient Lands*

    The Scoping Plan focuses on the impact of natural and working lands. Healthy lands, including forests, grasslands, soils, and wetlands, can store carbon dioxide and reduce emissions. The Scoping Plan addresses the need for climate-smart land management, which promotes healthy ecosystems and supports carbon neutrality, emission reduction, and climate resilience.

11. *Maintaining the Focus on Methane and Short-Lived Climate Pollutants*

    The Scoping Plan identifies efforts to reduce short-lived climate pollutants (SLCPs) as a crucial part of the overall plan. SLCPs, such as methane, black carbon, and fluorinated gases (including hydrofluorocarbons or HFCs), are highly detrimental to both human health and the global climate. They have a more potent and immediate impact on climate change than CO2, despite having a shorter atmospheric lifespan. This makes them significant contributors to near-term climate change and global warming. California worked with several other states through the U.S. Climate Alliance to establish a similar goal to reduce SLCP emissions in line with the requirements of the Paris Agreement, identifying the potential to reduce SCLPs by 40 to 50 percent by 2030 across the U.S. Climate Alliance.

SB 375. Signed into law on October 1, 2008, SB 375 provides emissions-reduction goals around which regions can plan; integrates disjointed planning activities; and provides incentives for local governments and developers to implement "smart growth" planning and development strategies, which are to include reductions in average VMT, commuting distances, and criteria and GHG air pollutant emissions. Cities located within these regions are then required, in turn, to update their General Plans in accordance with the regional plans. SB 375 has three major components:

- Using the regional transportation planning process to achieve reductions in GHG emissions consistent with AB 32's goals;
- Offering CEQA incentives to encourage projects that are consistent with a regional plan that achieves GHG emission reductions; and
- Coordinating the regional housing needs allocation process with the regional transportation process while maintaining local authority over land-use decisions.

SB 375 requires each Metropolitan Planning Organization (MPO) to include a Sustainable Communities Strategy (SCS) in the regional transportation plan that demonstrates how the region will meet the GHG emission targets and creates CEQA streamlining incentives for projects that are consistent with the regional SCS. The focus of SB 375 is on the location of new residential projects and coordinated transportation planning. Non-compliance with SB 375 will result in transportation funds being withheld from the regional and/or local agency.

AB 398. AB 398, signed in July 2017, aims to reduce GHG emissions within the state of California. The bill outlines new requirements for California's GHG Cap-and-Trade program that includes, among others, extending the program through 2030, limiting the use of offsets, and requiring CARB to establish a price ceiling for GHG allowances.

SB 1368. In September 2006, the Governor signed Senate Bill 1368, which calls for the adoption of a GHG performance standard for in-state and imported electricity generators to mitigate climate change. On January 25, 2007, the California Public Utilities Commission (CPUC) adopted an interim GHG emissions performance standard. This standard is a facility-based emissions standard requiring all new long-term commitments for base load generation to serve California consumers with power plants that have emissions no greater than those from a combined cycle gas turbine plant. The established level is 1,100 pounds of CO_2 per megawatt-hour.

SB 743. SB 743 of 2013 amended CEQA to change the conventional approaches to transportation impact analysis which focus on vehicle level of service (LOS) and vehicle delay. SB 743 changes the focus of transportation impact analysis in CEQA from measuring impacts to drivers, to measuring the impact of driving on the environment, including GHG emissions. SB 743 amendments to CEQA require that the LOS metric be replaced with a metric considering VMT. This shift in transportation impact focus is expected to better align transportation impact analysis and mitigation outcomes with the State's goals to reduce GHG emissions, encourage infill development, and improve public health through more active transportation. Amendments to the CEQA Guidelines were approved in December 2018 and included the incorporation of changes to address SB 743. Guidelines, Section 15064.3(c) states, "A lead agency may elect to be governed by the provisions of this section immediately. Beginning on July 1, 2020, the provisions of this section shall apply statewide."

SB 1020. SB 1020 enacts a state policy with interim goals for renewable energy resources and zero-carbon resources. By December 31st, 2035, 90% of all retail electricity sales to California end-use customers, and 100% of electricity acquired to serve state agencies is mandated to be supplied by renewable/zero-carbon sources. Furthermore, the mandate for end-use customers would increase to 95% by December 31, 2040, and reach 100% by December 31, 2045.

Executive Order B-55-18. Executive order B-55-18 was signed by the Governor in 2018 committing state resources to achieving carbon neutrality in California. It states California's intention is "to achieve carbon neutrality as soon as possible, and no later than 2045, and achieve and maintain net negative emissions thereafter. This goal is in addition to the existing statewide targets of reducing greenhouse gas emissions" (State of California, 2018). The policies and measures taken in support of achieving carbon neutrality should improve air quality, support the health and economic resiliency of communities (particularly low-income and disadvantaged), support climate adaption and native biodiversity, and conserve the state's water supply and water quality.

3.4.4 Regional Policies – GHG

BAAQMD 2017 Clean Air Plan. The BAAQMD 2017 Clean Air Plan includes climate protection as a primary goal and specifies the GHG-related priorities listed below.

- Reduce emissions of "super-GHGs" such as CH_4, black carbon, and fluorinated gases
- Decrease demand for fossil fuels (gasoline, diesel, and natural gas)
  - Increase the efficiency of industrial processes, energy, and transportation systems
  - Reduce demand for vehicle travel, and high-carbon goods and services
- Decarbonize our energy system
  - Make the electricity supply carbon-free
  - Electrify the transportation and building sectors

The Clean Air Plan lays the groundwork for a long-term effort to reduce Bay Area GHG emissions by 40% below 1990 levels by 2030 and 80% below 1990 levels by 2050, consistent with the state GHG reduction targets. The Plan includes a comprehensive control strategy for GHGs that the District intends to implement over the next three to five years.

4. IMPACTS ASSESSMENT

4.1 Significance Criteria

Appendix G of the California state CEQA Guidelines recognizes the following significance criteria related to air quality and GHG emissions (California Natural Resources Agency, 2019). Based on the criteria, potential impacts to air quality would be significant if the proposed Project would:

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

The Project would cause adverse impacts associated with GHG emissions if it would:

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

The CEQA Air Quality Guidelines (BAAQMD, 2022b) contain thresholds of significance that are designed to implement the above general criteria for air quality and GHG impacts in the Bay Area Air Basin. The BAAQMD thresholds of significance are based on extensive studies, and serve as a means of translating the general standards set forth in Appendix G into quantitative thresholds against which a proposed project's air pollutant and GHG emissions can be measured (BAAQMD, 2022b). Thus, the BAAQMD thresholds of significance are considered appropriate for use in evaluating the proposed Project.

Table 4-1 and Table 4-2 present the BAAQMD thresholds of significance used as applicable in this AQIA for air quality and GHG emissions associated with the proposed Project. The table presents thresholds for construction-related and operational-related emissions. The applicability and use of the specific project-level thresholds for evaluation of the proposed Project is explained in the discussion of each impact in Section 4.2 through Section 4.7 below.

Table 4-1: BAAQMD Air Quality CEQA Thresholds of Significance

Pollutant/Criteria	Construction-Related	Operational-Related [a]
ROG	54 lb/day	54 lb/day; 10 tpy
NO_X	54 lb/day	54 lb/day; 10 tpy
PM_{10}	82 lb/day (exhaust)	82 lb/day; 15 tpy
$PM_{2.5}$	54 lb/day (exhaust)	54 lb/day; 10 tpy
PM_{10} /$PM_{2.5}$ (Fugitive Dust)	Best Management Practices	None
Local CO	None	9.0 ppm (8-hour average), 20.0 ppm (1-hour average)
Risk and Hazards for new sources and receptors (Individual Project)	Same as Operational Thresholds	Compliance with Qualified Community Risk Reduction Plan OR Increased cancer risk of >10.0 in a million Increased non-cancer risk of > 1.0 Hazard Index (Chronic or Acute) Ambient $PM_{2.5}$ increase: > 0.3 µg/m^3 annual average
Risk and Hazards for new sources and receptors (Cumulative Threshold	Same as Operational Thresholds	Compliance with Qualified Community Risk Reduction Plan OR Cancer: > 100 in a million (from all local sources) Non-cancer: > 10.0 Hazard Index (from all local sources) (Chronic) $PM_{2.5}$: > 0.8 µg/m^3 annual average (from all local sources)
Accidental Release of Acutely Hazardous Air Pollutants	None	Storage or use of acutely hazardous materials locating near receptors or new receptors locating near stored or used acutely hazardous materials considered significant
Odors	None	5 confirmed complaints per year averaged over 3 years

Source: BAAQMD, 2022b
Notes:

a. BAAQMD construction-related thresholds and operational-related thresholds that are not applicable to the Project are not listed. The daily emission thresholds reflect average daily emissions values. The annual emission thresholds reflect maximum annual emissions values. (BAAQMD, 2022b)

Table 4-2 BAAQMD Climate Impact Thresholds of Significance (Project Level)

Source Type	Thresholds of Significance
GHGs – Stationary Sources	10,000 MT CO_2e/yr
GHGs – Land Use Projects (Must Include A or B)	A. Projects must include, at a minimum, the following project design elements: 1. Buildings a. The project will not include natural gas appliances or natural gas plumbing (in both residential and nonresidential development). b. The project will not result in any wasteful, inefficient, or unnecessary energy use as determined by the analysis required under CEQA Section 21100(b)(3) and Section 15126.2(b) of the State CEQA Guidelines. 2. Transportation a. The project will achieve a reduction in project-generated vehicle miles traveled (VMT) below the regional average consistent with the current version of the California Climate Change Scoping Plan (currently 15 percent) or meet a locally adopted Senate Bill 743 VMT target that reflects the recommendations provided in the Governor's Office of Planning and Research's Technical Advisory: Evaluating Transportation Impacts in CEQA: i. Residential projects: 15 percent below the existing VMT per capita ii. Office projects: 15 percent below the existing VMT per employee iii. Retail projects: no net increase in existing VMT b. The project will achieve compliance with off-street electric vehicle requirements in the most recently adopted version of CALGreen Tier 2. OR B. Projects must be consistent with a local GHG reduction strategy that meets the criteria under State CEQA Guidelines Section 15183.5(b).

Source: BAAQMD, 2022b

4.2 Project Emissions

4.2.1 Project Construction Emissions

The proposed Project involves two phases that include construction activities. Construction emissions from the construction of the GDC will result from ground preparation, grading activities, building erection, parking lot construction activities, use of onsite construction equipment, and architectural coating. Construction emissions from the Project are included in the GDC construction emission calculations. The Project's offsite construction emissions will result primarily from material transport to and from the site, material placement in the generation yard, and worker travel. Table 4-3 summarizes the equipment used for construction activities.

Table 4-3: Construction Equipment

Phase Name	Off Road Equipment Type	Off Road Equipment Unit Amount	Horse-power	Load Factor
Site and Building #1 – Site Preparation	Excavators	4	158	0.38
	Scrapers	4	367	0.48
	Tractors/Loaders/Backhoes	4	97	0.37
Site and Building #1 – Grading	Excavators	3	158	0.38
	Graders	3	187	0.41
	Rollers	3	80	0.38
	Rubber Tired Dozers	3	247	0.40
	Scrapers	3	367	0.48
	Tractors/Loaders/Backhoes	3	97	0.37
Site and Building #1 – Foundation	Bore/Drill Rigs	4	221	0.50
	Cement and Mortar Mixers	4	9	0.56
	Excavators	3	158	0.38
	Other Construction Equipment	4	172	0.42
	Pumps	4	84	0.74
	Tractors/Loaders/Backhoes	3	97	0.37
Site and Building #1 – Structural/Building Exterior/Roof	Cement and Mortar Mixers	4	9	0.56
	Cranes	2	231	0.29
	Forklifts	6	89	0.20
	Generator Sets	2	84	0.74
	Other Construction Equipment	4	172	0.42
	Pumps	4	84	0.74
	Tractors/Loaders/Backhoes	1	97	0.37
	Welders	4	46	0.45
Site and Building #1 – ROMP01-ROMP12	Cranes	24	231	0.29
	Forklifts	48	89	0.20
	Generator Sets	24	84	0.74
	Pressure Washers	24	13	0.30
	Sweepers/Scrubbers	12	64	0.46

Phase Name	Off Road Equipment Type	Off Road Equipment Unit Amount	Horse-power	Load Factor
	Welders	36	46	0.45
Site and Building #1 – Paving	Excavators	2	158	0.38
	Graders	2	187	0.41
	Pavers	2	130	0.42
	Paving Equipment	2	132	0.36
	Plate Compactors	2	8	0.43
	Pressure Washers	2	13	0.30
	Rollers	2	80	0.38
	Rubber Tired Dozers	2	247	0.40
	Scrapers	2	367	0.48
	Tractors/Loaders/Backhoes	2	97	0.37
Site and Building #1 – ROMP01-ROMP12 Architectural Coating	Air Compressors	12	78	0.48
Site and Building #2 – Site Preparation	Excavators	4	158	0.38
	Scrapers	4	367	0.48
	Tractors/Loaders/Backhoes	4	97	0.37
Site and Building #2 – Grading	Excavators	3	158	0.38
	Graders	3	187	0.41
	Rollers	3	80	0.38
	Rubber Tired Dozers	3	247	0.40
	Scrapers	3	367	0.48
	Tractors/Loaders/Backhoes	3	97	0.37
Site and Building #2 – Foundation	Bore/Drill Rigs	4	221	0.50
	Cement and Mortar Mixers	4	9	0.56
	Excavators	3	158	0.38
	Other Construction Equipment	4	172	0.42
	Pumps	4	84	0.74
	Tractors/Loaders/Backhoes	3	97	0.37
Site and Building #2 – Structural/Building Exterior/Roof	Cement and Mortar Mixers	4	9	0.56
	Cranes	2	231	0.29
	Forklifts	6	89	0.20
	Generator Sets	2	84	0.74
	Other Construction Equipment	4	172	0.42
	Pumps	4	84	0.74
	Tractors/Loaders/Backhoes	1	97	0.37
	Welders	4	46	0.45
Site and Building #2 – ROMP01-ROMP05, ROMP07-ROMP11	Cranes	20	231	0.29
	Forklifts	40	89	0.20
	Generator Sets	20	84	0.74
	Pressure Washers	20	13	0.30
	Sweepers/Scrubbers	10	64	0.46
	Welders	30	46	0.45

Phase Name	Off Road Equipment Type	Off Road Equipment Unit Amount	Horse-power	Load Factor
Site and Building #2 – Paving	Excavators	2	158	0.38
	Graders	2	187	0.41
	Pavers	2	130	0.42
	Paving Equipment	2	132	0.36
	Plate Compactors	2	8	0.43
	Pressure Washers	2	13	0.30
	Rollers	2	80	0.38
	Rubber Tired Dozers	2	247	0.40
	Scrapers	2	367	0.48
	Tractors/Loaders/Backhoes	2	97	0.37
Site and Building #2 – ROMP01-ROMP05, ROMP07-ROMP11 Architectural Coating	Air Compressors	10	78	0.48

Construction of Phase I to support the first GDC Building is anticipated to begin in April 2024 and take approximately 11 months for exterior construction and approximately 25 months for additional interior construction. Construction of Phase II is conservatively assumed to occur immediately following the completion of the first generation yard and to take approximately 10 months. Additional Phase II interior construction activities are expected to take approximately 30 months following exterior construction. This assumption calculates conservative construction emissions as construction equipment emission profiles generally improve over time.

Construction emissions are computed using CalEEMod, Version 2020.4.0. The construction schedule and projected equipment usage were provided as inputs for the model. Inputs to the CalEEMod model are summarized as follows:

Land Uses. For Phase I, "General Light Industry" 220,500 square feet on 52.47 acres. "Parking Lot" 13,555 square feet on 0.31 acres. "Other Asphalt Surfaces" 140,312 square feet on 3.22 acres. For Phase II, "General Light Industry" 218,000 square feet on 5.00 acres. "Parking Lot" 6,777 square feet on 0.16 acres. "Other Asphalt Surfaces" 70,156 square feet on 1.61 acres.

Demolition. No demolition phase is assumed as the site is an undeveloped parcel that was previously used for agricultural production.

Site Preparation and Grading. The site preparation phase is anticipated to last 11 days as part of Phase I and 11 days as part of Phase II. The Grading and Excavation phase will be 30 days for Phase I and 30 days for Phase II. The modeling accounts for the export of 53,000 cubic yards of soil during Phase I and the import of 210,000 cubic yards of soil split evenly between both phases. The Phase I hauling trips will be phased such that the haul truck that imports material will be the same haul truck that exports material, resulting in 13,125 hauling trips each during Phase I and Phase II per the default average truck capacity of 16 cubic yards.

Building Construction. Building construction is modeled as two phases: exterior building (using the Building Construction phase) and interior construction (using the Building Construction and Architectural Coating phases). Interior building construction will take place in phases following exterior construction. Each interior construction phase is labelled as ROMP, for example, ROMP01 for the first interior building

construction phase. Model inputs for building construction that are modified from CalEEMod defaults are summarized in Table 4-4.

Paving. The paving phase includes the import of 4,274 cubic yards of paving material, modeled as 534 total hauling trips per the default average truck capacity of 16 cubic yards. The paving phase will be split between Phase I and Phase II, with two-thirds of the paving and associated hauling trips occurring during Phase I and one-third of the paving and associated hauling trips occurring during Phase II.

Table 4-4 summarizes significant modifications to default inputs of CalEEMod, which were made based on project-specific representations of construction activity. Appendix A-3 includes a comprehensive list of all modifications to default inputs of CalEEMod.

Table 4-4: CalEEMod Significant Modifications to Default Inputs

CalEEMod Phase Name	Worker Trips (per day)	Vendor Trips (per day)	Total Trips Hauling	Trip Length Hauling (miles)
Site and Building #1 – Grading	Default	Default	13,125	19.13
Site and Building #1 – Paving	Default	Default	356	19.13
Site and Building #2 – Grading	Default	Default	13,125	19.13
Site and Building #2 – Paving	Default	Default	178	19.13

Based on an assumed construction start date of April 8, 2024 and completion date of April 7, 2027, CalEEMod computes 1094 construction days for Phase I. Based on an assumed construction start date of November 2, 2026, and an anticipated completion date of February 20, 2030, CalEEMod computes 1,206 construction days for Phase II. Total construction emissions from full build out of the Project in comparison to the BAAQMD CEQA thresholds of significance are shown in Table 4-5. Average daily emissions are computed by taking the maximum annual emissions and assuming that construction occurs 260 days of the year, which is a conservative estimate based on the number of working days in a year.

Construction period GHG emissions are also computed using CalEEMod as described above. Table 4-5 includes a summary of the GHG emissions due to construction of the proposed Project.

In addition to mobile equipment and vehicle exhaust, emissions of $PM_{2.5}$ and PM_{10} due to construction fugitive dust are calculated using CalEEMod and are summarized in Table 4-5. The soil type of dust from material movement is input as a default value of 6.9% material silt content. Material moisture content of dust from material movement is input as a default value of 7.9% for bulldozing and 12% for truck loading. Material moisture content of on-road fugitive dust is input as a default value of 0.5% for all construction activities. Wind speed data is based on project location, the California Energy Commission (CEC) Forecasting Climate Zone, and information from the Western Regional Climate Center. For the proposed Project, the windspeed is input as 2.2 miles per hour (mph).

Control methods, control efficiencies, and BAAQMD basic construction mitigation measures are included in the CalEEMod calculations as mitigation, further described below as Mitigation Measure AQ-1. CalEEMod inputs associated with BAAQMD basic construction mitigation measures include a Water Exposed Area with a Frequency of two (2) times per day resulting in 55% PM_{10} and $PM_{2.5}$ reduction and a Vehicle Speed limited to 15 mph.

Table 4-5: Project Construction Emissions Summary and Comparison to Significance Thresholds

Activity	Pollutant								
	Fugitive PM_{10} [a]	Fugitive $PM_{2.5}$ [a]	PM_{10}	$PM_{2.5}$	CO	NO_x	ROG/ VOC	SO_2	CO_2e
	Maximum Pounds per Day (lb/day)								
Unmitigated Construction Emissions	4.57	1.45	6.35	3.37	74.9	62.2	50.74	0.16	For this analysis and comparison to thresholds, GHG emissions are calculated on an annual basis only.
Mitigated Construction Emissions [D]	4.58	1.45	6.16	3.18	77.7	48.5	47.6	0.16	
Significance Threshold	*N/A*	*N/A*	*82*	*54*	*N/A*	*54*	*54*	*N/A*	
Significant Impact?	*No*	*No*	*No*	*No*	*No*	*No*	*No*	*No*	
Activity	**Maximum Tons per Year (tpy) [b]**								**Metric Tons per Year (MT/yr)**
Total Unmitigated Construction Emissions	0.60	0.19	0.83	0.44	9.73	8.1	6.6	0.02	1,930
Total Mitigated Construction Emissions	0.60	0.19	0.80	0.41	10.10	6.30	6.19	0.02	1,892
Significance Thresholds [c]	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*
Significant Impact?	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*

a. Fugitive emissions will be controlled with best management practices, in accordance with the significance threshold.
b. Construction emissions represent the maximum mitigated emissions based on 260 total weekdays per year.
c. There are no annual construction-related thresholds of significance.
d. The unmitigated CO emissions are lower than the mitigated emissions as the mitigated emissions assume Tier 2, 3, or 4 engines for particular equipment. This approach is more realistic, and in certain instances more conservative than the use of unmitigated CARB emission factors which average of all equipment/engine types across California. Note, the average emissions of all equipment decrease over time due to retrofitting and improving of existing engines in accordance with CARB rules.

Mitigation Measure AQ-1 will reduce construction period NO_x emissions to levels below the BAAQMD thresholds of significance, as addressed in detail below. Appendix A-3 includes the CalEEMod output file that is the basis of the construction emission calculations.

Mitigation Measure AQ-1. Include construction equipment exhaust controls and measures to control dust and exhaust during construction.

During any construction period ground disturbance, the Applicant shall ensure that the project contractor implement measures to control dust and exhaust. Implementation of the measures recommended by BAAQMD in their CEQA Air Quality Guidelines and those listed below would reduce the air quality impacts associated with grading and new construction to a less than significant level. The contractor shall implement the following best management practices that are required of all projects:

Basic Measures

a. All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be watered two times per day.

    1. All haul trucks transporting soil, sand, or other loose material off-site shall be covered.

    2. All visible mud or dirt track-out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.

    3. All vehicle speeds on unpaved roads shall be limited to 15 miles per hour (mph).

    4. All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible. Building pads shall be laid as soon as possible after grading unless seeding or soil binders are used.

    5. Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to 5 minutes (as required by the California airborne toxics control measure Title 13, Section 2485 of California Code of Regulations [CCR]). Clear signage shall be provided for construction workers at all access points.

    6. All construction equipment shall be maintained and properly tuned in accordance with manufacturer's specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation.

    7. Post a publicly visible sign with the telephone number and person to contact at the Lead Agency regarding dust complaints. This person shall respond and take corrective action within 48 hours. BAAQMD's phone number shall also be visible to ensure compliance with applicable regulations.

Exhaust Control Measures

    8. The Applicant shall implement the following measures such that the off-road equipment to be used in the construction project (i.e., owned, leased, and subcontractor vehicles) shall meet the emission values as summarized in Table 4-5 above. Acceptable methods for reducing emissions include the use of late model engines, low-emission diesel products, alternative fuels, engine retrofit technology, after-treatment products, add-on devices such as particulate filters, and/or other options as such become available. The following are examples of feasible methods:

        a. The following construction equipment used at the site during Phase I and Phase II shall be electric:
            i. Pressure Washer
            ii. Welder

        b. The following construction equipment used at the site during Phase I and Phase II shall meet U.S. EPA emission standards for Tier 3 engines and include particulate matter emissions control equivalent to CARB Level 2 verifiable diesel emission control devices that altogether achieve an 85 percent reduction in particulate matter exhaust:
            i. Air Compressors
            ii. Concrete/Industrial Saws
            iii. Forklifts
            iv. Generator Sets
            v. Other Construction Equipment, such as Concrete Vibrators

vi. Pavers
vii. Pumps
viii. Rollers
ix. Sweeper/Scrubbers
x. Tractors/Loaders/Backhoes

c. The following construction equipment used at the site during Phase I shall meet U.S. EPA Tier 4 final emission standards according to one of the following options:
   i. Option 1: Cranes, Graders, Rubber Tired Dozers, Tractors/Loaders/Backhoes
   ii. Option 2: Cranes, Graders, Rubber Tired Dozers, Bore/Drill Rigs
   iii. Option 3: Cranes, Graders, Rubber Tired Dozers, Excavators

d. The following construction equipment used at the site during Phase II shall meet U.S. EPA Tier 4 final emission standards:
   i. Cranes
   ii. Scrapers

Effectiveness of Mitigation

The effects of Mitigation Measure AQ-1 were modeled for the proposed Project using CalEEMod and were found to reduce overall NO_x emissions to below the BAAQMD significance thresholds. Therefore, the Applicant proposes to implement Mitigation Measure AQ-1 in the proposed Project.

4.2.2 Operational Emissions Calculation Methodology

This section discusses methods used for calculating emissions associated with the proposed Project operations. An overview is provided below and details for each emission source are provided in Table 4-6 through Table 4-8.

Proposed Project Overview. Operational air pollutant and GHG emissions are those that result from operation of the 27 generators for routine non-emergency testing and maintenance purposes and estimated average annual emergency purposes, mobile sources such as employee vehicles, and general operation of the GDC buildings.

Non-Emergency Generator Hours of Operation and Mode. For the purposes of comparison to the BAAQMD maximum annual emission thresholds of significance, the Project emission calculations assume 50 hours per year per generator use for non-emergency operation testing and maintenance operation per Title 17, CCR Section 93115.6(a)(3)(A)(1)(c): ATCM for Stationary CI Engines and BAAQMD Regulation 9, Rule 8. For purposes of comparison to the BAAQMD average daily emission thresholds of significance, the maximum annual emissions are averaged over 365 days to determine the Project's average daily emissions. For the critical backup generators, the most frequent testing mode will be around 50% load. The manufacturer performance data at the 50% load, such as horsepower, is thus used for estimating non-emergency emissions.

Emergency Generator Hours of Operation and Mode. Although any operation of the engines for emergency purposes is inherently unpredictable and thus difficult to quantify, the BAAQMD CEQA Guidelines recommend that backup generators combine emissions ($PM_{2.5}$ and DPM) from operations of emergency use (or non-testing and non-maintenance) with the allowable testing and maintenance hours in CEQA air quality analyses (BAAQMD, 2022b). The BAAQMD CEQA Guidelines further states, "project sponsors can substantiate use of site-specific non-testing and non-maintenance hours for standby generator operation"

(BAAQMD, 2022b). The BAAQMD conducted a review of emergency generator operations at 45 data centers in the BAAQMD's jurisdiction from September 1, 2019, to September 30, 2020. In the CA3 Backup Generating Facility-Vantage Update to Air Quality Section of the FEIR Dated June 22, 2022, the CEC also reviewed the emergency generator operations data and stated, "BAAQMD's review covered 288 individual diesel engines that operated over a 13-month record. Because the backup generator engines were collectively available for over 2.74 million engine-hours during the 13-month period (288 engines * 9,504 hours in the 13-month record), and they were used for "non-testing/non-maintenance" purposes for 1,877 engine-hours, at those facilities where operation occurred, the engines entered into emergency operations during 0.07 percent of their available time (1,877 / 2.74 million)" (California Energy Commission, 2022). In addition, the 13-month period includes emergency operations from extreme events including the implementation of Pacific Gas & Electricity's Public Safety Power Shutoff (PSPS), severe wildfires, several California Independent System Operator (CAISO)-declared emergencies, and winter storms (CEC, 2022).

Based on the CEC statement cited above, operating 0.07 percent of the time would roughly equate to 6.13 emergency hours per year (8,760 hours * 0.0007). As such, to evaluate the emissions from emergency use and non-testing and non-maintenance hours per the recommendation of Appendix E of the BAAQMD CEQA Guidelines, the Applicant is conservatively including an evaluation of the emissions from the annual average hours of emergency operation, rounded up to 7 hours per year, to compare against the CEQA Thresholds of Significance. As the Project will be a data center within the jurisdiction of the BAAQMD, the emergency operation data collected and analyzed from the September 1, 2019, through September 30, 2020, timeframe is considered "site-specific non-testing and non-maintenance hours for standby generator operations." The Applicant anticipates that the critical back-up generators will operate between 50-75% load during an emergency event. However, for purposes of evaluating impacts from the annual average hours of emergency operation, the Applicant is conservatively representing emergency operations at 100% load to represent worst-case potential emissions.

Generator Emission Calculation Methods. The calculation methods utilized for estimating the proposed Project operational emissions are explained in detail in the following paragraphs. Emission factors and calculation methods used to quantify emissions from the proposed Project are based on facility information and data available from generally accepted public sources.

In the proposed Project, the Project is equipped with 25 critical backup generators, one life safety generator, and one security building generator. The Applicant proposes to limit operation to one generator at a time for routine maintenance and testing activities conducted pursuant to manufacturer specifications. The emission calculations are based on the generator engine horsepower, hours of operation for readiness testing and estimated emergencies, and EPA family emission factors. The critical backup generators and life safety generator will be equipped with a DPF, for which a control efficiency of 85% is assumed per CARB Executive Order DE-07-001-08. Per this executive order, CARB states that a DPF efficiency of 85% can be applied to emergency standby engines for approved engine models. The DPF for the critical backup generator model and life safety generator model is verified by CARB for model years 1996 through 2020 under Executive Order DE-07-001-08 to reduce emissions of diesel particulate matter by 85% or more (CARB, 2020a). However, a minimum abatement efficiency of 70% is conservatively assumed for diesel particulate matter due to the use of the SCR which is not included as part of CARB's verification. The Executive Order specifically notes the DPF is designed for standby engines, which typically operate at various loads. Furthermore, the Executive Order notes that duty cycles of the standby engines which are approved under the Executive Order are reviewed to ensure compatibility DPF, meaning that the DPF is compatible at all duty loads. The CARB Executive Order is provided in Appendix A-1.

Emission factors for PM, NO_x, ROG, and CO are provided by the proposed Miratech AT-IV technical specifications, which are provided in Appendix A-1. The emission factors for SO_2 are calculated with the

assumption that the proposed generators will use ultra-low sulfur diesel fuel which contains 0.0015% sulfur as defined under 40 CFR 80, Subpart I. Per this assumption, the SO_2 emission factor from AP-42 Section 3.4, Table 3.4-1 applies.

Operational GHG emissions are calculated using global warming potentials from Subpart A of 40 CFR 98, Table A-1 for CO_2, CH_4 and N_2O. Using emissions factors from Subpart C of 40 CFR 98 Tables C-1 and C-2, the equivalent emissions of CO_2 are calculated for CH_4 and N_2O to determine total potential (CO_2e emissions representing the GHG emissions for all generators (U.S. EPA, 2019a).[5]

Mobile and Building Operation Emissions. Emissions from mobile sources and general operation of the GDC buildings are calculated using CalEEMod. The CalEEMod inputs use an average daily per-job VMT equal to 19.13, which conservatively represents the Project-generated VMT without VMT mitigation measures (Hexagon, 2023). For building energy usage, at its full buildout, the Project will require 99 MW of electricity demand. However, the Applicant has committed to purchasing 100% carbon-free electricity as part of the Project's design, and as such, the GHG impacts from building electricity are calculated separately from the Total Land Use GHG Emissions in Table 4-9. Additionally, the GDC would generate building operational emissions from the use of consumer products, architectural coating such as interior painting, landscaping work, solid waste disposal, and water usage. This assessment assumes that potable water will be used, thus no mitigation measures for water use were applied in CalEEMod. CalEEMod output files are included in Appendix A-3. The Project will use low VOC cleaning supplies as a design feature to reduce the operational emissions from the use of consumer products.

4.2.3 Project Operational Emissions

Table 4-6 summarizes estimated hourly, daily, and annual emissions for the operational emissions associated with the proposed Project. The hourly emissions are separated by generator type. The daily and annual emissions account for the maximum daily and annual hours of operation, respectively, per generator type and then combined into a total value. The detailed calculations are provided in Appendix A-2. It is expected that the daily and annual operational emissions in Table 4-6 and Table 4-7 encompass emissions from start-up and shutdown conditions, however the manufacturer does not provide speciated emission profiles for specific start-up and shutdown conditions.

BAAQMD sets an odor threshold of significance where if there are five confirmed odor complaints per year averaged over three years it will result in significant adverse air quality impacts. The Project is not considered a typical odor producing source such as a wastewater (sewage) treatment plant, landfill, composting facility, refinery, or chemical plant. As such, it is assumed that the Project will not exceed the identified threshold of significance for odor.

Impacts from toxic air contaminants and comparison to the BAAQMD thresholds of significance for Risks and Hazards are discussed in Section 4.7.

[5] Emission factor for carbon dioxide obtained from 40 CFR 98, Table C–1 to Subpart C for Distillate Fuel Oil No. 2. Emission factors for methane and nitrous oxide obtained from 40 CFR 98, Table C–2 to Subpart C.

Table 4-6: Project Operational Emissions

Operation Case	Pollutant	Hourly Emissions			Average Daily Emissions	Annual Emissions
		Critical Backup Generators	Life Safety Generator	Security Building Generator	All Generators	All Generators
		Pounds per Hour	Pounds per Hour	Pounds per Hour	Pounds per Day	Tons per Year
Testing & Maintenance	$PM/PM_{10}/PM_{2.5}$	0.087	0.024	0.062	0.30	0.05
	NO_X	2.1	8.36	1.69	7.32	1.34
	ROG/VOC	0.58	0.19	0.09	2.00	0.37
	CO	2.42	1.33	0.55	8.31	1.52
	SO_2	0.023	0.011	3.40E-03	0.08	1.44E-02
Emergency	$PM/PM_{10}/PM_{2.5}$	0.16	0.02	0.06	0.08	1.43E-02
	NO_X	4.0	8.4	1.7	2.11	0.39
	ROG/VOC	1.12	0.19	0.09	0.54	0.10
	CO	6.09	1.33	0.55	2.95	0.54
	SO_2	0.044	0.011	3.40E-03	0.02	3.91E-03
						Metric Tons per Year
Testing & Maintenance	CO_2	For this analysis and comparison to thresholds, GHG emissions are calculated on an annual basis only.				1,258
	CH_4					1.28
	N_2O					3.04
	Total CO_2e					1,263
Emergency	CO_2					308
	CH_4					0.31
	N_2O					0.74
	Total CO_2e					309

a. Testing and Maintenance emission calculations assume critical backup generators operate at 50% load for 50 hours/year. Emergency emission calculations assume critical backup generators operate at 100% load for 7 hours/year. The life safety generator and security generator are conservatively estimated to operate at 100% load in both operating cases.

Table 4-7: Project Air Quality Operational Emissions to Comparison to Significance Thresholds

Activity	Pollutant					
	PM_{10}	$PM_{2.5}$	CO	NO_X	ROG/ VOC	SO_2
	Pounds per Day (lb/day)					
Generator Operational Emissions (Testing and Maintenance and Estimated Emergency)	0.38	0.38	9.44	2.55	11.26	0.10
Significance Threshold	*82*	*54*	[see note a]	*54*	*54*	*N/A*
Significant Impact?	*No*	*No*	*No*	*No*	*No*	*No*
Activity	**Tons per Year (tpy)**					
Generator Operational Emissions (Testing and Maintenance and Estimated Emergency)	0.07	0.07	1.72	0.46	2.06	0.02
Stationary Source Significance Thresholds	*15*	*10*	[see note a]	*10*	*10*	*N/A*
Significant Impact?	*No*	*No*	*No*	*No*	*No*	*No*

a. CO is evaluated in this AQIA based on ambient air concentrations rather than emissions quantity.

Table 4-8: Summary of Land Use Criteria Pollutant Operational Emissions

Activity	Pollutant					
	PM_{10}	$PM_{2.5}$	CO	NO_X	ROG/ VOC	SO_2
	Pounds per Day (lb/day)					
Mobile and Building Operational Emissions [a]	5.74	1.55	18.88	2.12	11.58	0.05
Activity	**Tons per Year (tpy)**					
Mobile and Building Operational Emissions [a]	1.05	0.28	3.45	0.39	2.11	0.01

a. The BAAQMD CEQA Guidelines do not include significance thresholds for the criteria pollutant emissions from land use, and as such, the values in this table is for disclosure purposes only.

4.2.4 Project-Level Climate Impacts

The BAAQMD CEQA Guidelines state that, "evaluating climate impacts under CEQA can be challenging because global climate change is inherently a cumulative problem. Climate change is not caused by any individual emission source but by a large number of sources around the world emitting GHGs that collectively create a significant cumulative impact. Climate change impacts may include an increase in extreme heat days, higher concentrations of air pollutants, sea level rise, impacts on water supply and water quality, increased frequency of wildfires, public health impacts, impacts on ecosystems, impacts on agriculture, and other environmental impacts. No single project could generate enough GHG emissions to noticeably change the global climate" (BAAQMD, 2022b). As recognized by BAAQMD in the preceding quote, climate change is a cumulative effect and therefore no single project alone is large enough to impact climate change. This concept is also reflected in California's 2022 Climate Change Scoping Plan. Regulations are implemented in order to reduce the cumulative impact of GHG emissions on a statewide level.

The BAAQMD CEQA Guidelines also emphasize that a lead agency can conclude that a project would not make a cumulatively considerable contribution to global climate change if it contributed its "fair share" of what is needed to achieve the State's climate change goals (BAAQMD, 2022). The CEQA Guidelines provide two recommended thresholds of significance for land use projects, of which the second option (Option B) is to be consistent with a qualified greenhouse gas reduction strategy (GHGRS) pursuant to Title 14 of the California Code of Regulations, Sections 15064.4 and 15183.5(b). As the City of Gilroy does not yet have a qualified GHGRS, the Applicant is providing the following analysis of the Project as it compares to the first option (Option A) of the Land Use Thresholds of Significance:

Land Use Design Element	Project's Consistency with Design Element
A.1.a Buildings: The project will not include natural gas appliances or natural gas plumbing (in both residential and nonresidential development).	The Project design does not include natural gas appliances nor natural gas plumbing. As such, the Project is consistent with this Design Element.
A.1.b Buildings: The project will not result in any wasteful, inefficient, or unnecessary energy use as determined by the analysis required under CEQA Section 21100(b)(3) and Section 15126.2(b) of the State CEQA Guidelines.	The Project is designed to operate the data center as efficiently as feasible and practical. The Project has proposed to implement the following efficiency measures: 1. Reflective roof surface 2. Meet or exceed Title 24 requirements 3. Electric Vehicle Parking 4. Low flow plumbing fixtures 5. Landscaping to meet the City of Gilroy's low water use requirements. In addition, the Applicant will implement Mitigation Measure GHG-1, which will require the Applicant to commit to purchasing 100% carbon-free electricity as addressed in further detail below. As such, the Project is consistent with and well exceeds the intent of this Design Element in that the Project will have no GHG emissions from its electrical consumption.

Land Use Design Element	Project's Consistency with Design Element
A.2.a Transportation: The project will achieve a reduction in project-generated vehicle miles traveled (VMT) below the regional average consistent with the current version of the California Climate Change Scoping Plan (currently 15 percent) or meet a locally adopted Senate Bill 743 VMT target that reflects the recommendations provided in the Governor's Office of Planning and Research's Technical Advisory: Evaluating Transportation Impacts in CEQA: i. Residential projects: 15 percent below the existing VMT per capita ii. Office projects: 15 percent below the existing VMT per employee iii. Retail projects: no net increase in existing VMT	The VMT Assessment prepared for the Project states, "many communities such as Gilroy have very limited multi-modal transportation infrastructure and lack a mix of complementary land uses. The minimal existing multi-modal infrastructure reduces the opportunity for non-vehicular trips to the project site. Therefore, it is highly unlikely that developments like the proposed project in cities such as Gilroy can achieve OPR's recommended 15% reduction in VMT" (Hexagon, 2023). The VMT Assessment further concludes that of the design elements that are feasible to incorporate, there are no measures that would result in a 15% reduction to the Project once Phase II begins. The primary drivers limiting the Applicant's ability to meet this Design Element are the community's limited alternative modes of transportation and supporting employment land uses within the City, for which the Applicant has no control over nor any capability within the Project's design to mitigate. Because the Project would generate daily VMT in excess of the BAAQMD's threshold of achieving a 15% reduction below existing VMT per capita, and given that, due to the nature and location of the proposed facility, there is no feasible way to reduce employee VMT levels to below the established threshold, absent of the City adopting its own City-specific VMT policies and impact thresholds, the Applicant will implement Mitigation Measure GHG-2 to reduce the VMT GHG emissions to levels below the BAAQMD thresholds of significance, as addressed in further detail below.
A.2.b Transportation: The project will achieve compliance with off-street electric vehicle requirements in the most recently adopted version of CALGreen Tier 2.	The Project is designed with electric vehicle parking and will comply with the off-street electric vehicle requirements in the most recently adopted version of CALGreen Tier 2. As such, the Project is consistent with this Design Element.

Mitigation Measure GHG-1 The Applicant will purchase 100% carbon-free electricity from its electric utility provider, purchase renewable or carbon-free energy credits, or similar instruments that accomplish the same goals of 100% carbon-free electricity. The Applicant will submit documentation to the City of Gilroy of the initial enrollment and annual reporting to demonstrate either continued participation or alternative measures to continue providing 100% carbon-free electricity as verified by an independent third-party auditor specializing in GHG emissions.

To address the Project's GHGs generated from VMTs in excess of the 15% VMT reduction below the regional average, the Applicant used CalEEMod to calculate the amount of GHG emissions to reduce or offset. For determining mobile GHG emissions in CalEEMod, the Applicant input the unmitigated average daily VMT of 19.13 VMT. The CalEEMod output of both Phase I and Phase II is 809.39 MT CO_2e per year for mobile GHG emissions. GHG emissions have a linear relationship with VMT, thus the quantity of MT CO_2e to reduce for the Project to meet all design elements of the land use CEQA Guidelines is determined as 58.81 MT CO_2e per year. The 58.81 MT CO_2e per year represents the difference of GHG emissions the Project would contribute by implementing all feasible VMT mitigation measures to achieve an average daily VMT of 17.36 VMT and the remaining GHG emissions contribution associated with achieving the 15% VMT reduction from below the regional average, which is an average daily VMT of 15.97 VMT (Hexagon, 2023). Therefore, the Applicant proposes to implement Mitigation Measure GHG-2 in the proposed Project.

Mitigation Measure GHG-2 To ensure that GHG emissions from employee VMTs are reduced to less than significant levels, prior to the issuance of a Certificate of Occupancy for the Project, the Applicant will prepare and submit to the City a GHG Reduction Plan that identifies one or more GHG reduction actions that will be taken to reduce GHG emissions from vehicles by a minimum of 58.81 MT of CO_2e per year for the thirty-year assumed lifespan of the Project to offset emissions from employees travelling to and from the Project site on a daily basis. The GHG Reduction Plan shall prioritize additional onsite GHG reduction design features to the extent feasible.

If additional onsite GHG reduction measures are not feasible, the Applicant shall, to the extent feasible, make direct investments in offsite GHG reduction activities/programs within the City of Gilroy. Examples include but are not limited to offsite building retrofit programs that pay for cool roofs, solar panels, solar water heaters, smart meters, energy efficient lighting energy efficient windows, and insulation. Other examples include financing programs for installing electric vehicle charging stations, electrifying school buses, or planting local urban forests. The Applicant shall retain a qualified air quality/GHG professional to quantify the GHG reductions resulting from the implementation of the GHG Reduction Plan using substantial evidence, to the satisfaction of the City. If the Applicant chooses to participate in a local offsite GHG reduction project or program, evidence of such participation shall be provided to the City by the entity that is implementing the project or program. Evidence presented shall describe how the Applicant is participating, the expected GHG reduction volume that can be assigned to the Project as a result of the Applicant's participation, and verification that the Applicant has met participation requirements. The evidence would be subject to review and approval of City staff prior to issuance of a Certificate of Occupancy.

If through the implementation of both onsite GHG reduction measures, and investment in local offsite GHG reduction measures/programs, the Project's GHG emissions have still not been reduced by the necessary amount of 58.81 MT CO_2e per year for the thirty-year assumed lifespan of the Project, the Applicant may purchase carbon offset credits to account for the remaining balance of necessary GHG emissions. The carbon offsets shall meet the following standards:

- Carbon offset credits shall be issued by a recognized, reputable and accredited registry that mandates the use of established protocols for quantifying and issuing the offset credits. Credits issued based on protocols approved by CARB should be prioritized. Examples of such registries include the Climate Action Reserve, American Carbon Registry, and Verra.
- The carbon offset credits should be generated from projects developed in the United States. Credits from projects developed internationally should not be used unless the applicant demonstrates with substantial evidence that sufficient carbon offsets from projects in the United States are unavailable. International

offsets must be quantified and issued using established protocols that are recognized in the United States and that are issued by recognized, reputable and accredited registries.

- All carbon offset credits purchased to reduce GHG emissions, must meet the criteria of being real, quantifiable, permanent, verifiable, enforceable, and additional consistent with the standards set forth in Health and Safety Code, Section 38562, subdivisions (d)(1) and (d)(2).

Prior to the City issuing a Certificate of Occupancy for the Project, the Applicant shall submit the GHG Reduction Plan for review and approval of the City of Gilroy. If carbon offsets are proposed, prior to approval of a Certificate of Occupancy, the Applicant shall provide an executed contract or other certification to the City that the requisite volume carbon offset credits have been purchased.

As the Land Use CEQA Guidelines do not include quantitative thresholds for the land use GHG emissions, the GHG emissions quantified from land use elements in Table 4-9 are included for informational purposes only.

Table 4-9: Project Climate Operational Emissions Summary and Comparison to Significance Thresholds

Stationary Source Activity	Annual GHG Emissions (MT/year)			
	CO_2	CH_4	N_2O	CO_{2e}
Generator Testing and Maintenance and Estimated Annual Average Emergency Operation	1,566	2	4	1,572
Total Stationary Source Operational Emissions	**1,566**	**2**	**4**	**1,572**
Significance Threshold	*N/A*	*N/A*	*N/A*	*10,000*
Significant Impact?	*N/A*	*N/A*	*N/A*	*No*
Land Use Activity	**Annual GHG Emissions (MT/year)**			
	CO_2	CH_4	N_2O	CO_{2e}
Area	0.01	0.00	0.00	0.01
Energy (Unmitigated)	80,240.25	12.98	1.57	81,034
Energy (GHG-1 Mitigations)	(-80,240.25)	(-12.98)	(-1.57)	(-81,034)
Mobile (Unmitigated)	799.15	0.04	0.03	809.39
Mobile (VMT Reductions Mitigations) [a]	(-73.94)	(-0.004)	(-0.003)	(-74.89)
Mobile (GHG-2 Mitigations)	(-58.07)	(-0.003)	(-0.002)	(-58.81)
Waste	110.37	6.52	0.00	273.45
Water	32.17	3.30	0.08	138.03
Total Land Use Emissions (Unmitigated)	**81,182**	**22.84**	**1.68**	**82,255**
Total Land Use Emissions (Mitigated)	**810**	**9.85**	**0.11**	**1,087**
Significance Threshold [b]	*N/A*	*N/A*	*N/A*	*N/A*
Significant Impact?	*N/A*	*N/A*	*N/A*	*N/A*

a. Represents the difference in GHG emissions from the Project's unmitigated 19.13 VMT to the 17.36 VMT achieved assuming implementation of all VMT reduction measures feasible for the Project.

b. There are no quantity-based thresholds of significance for land use GHG emissions.

4.3 Air Dispersion Modeling Methodology

This section presents the modeling methods used prior to evaluating potential air quality impacts and health risks associated with the proposed Project's construction and operational phase. Each model incorporates the same components and inputs described below. AERMOD dispersion modeling is used in this AQIA to perform a load screening analysis and comparison to AAQS standards based on the operation of equipment associated with the Project. The concentrations of pollutants from the proposed Project for both the construction phase and operational phase with the incorporation of background concentration data do not exceed the NAAQS or CAAQS except for PM_{10} for the 24-hour and annual averaging period. This is addressed further in Section 4.5.4 and Section 4.6.4.

4.3.1 Air Dispersion Model

The air quality analysis is conducted according to U.S. EPA guidelines. The AERMOD model (version 19191) is used with Trinity Consultants' (Trinity's) *BREEZE™ AERMOD Suite* software to calculate ground-level concentrations using the regulatory default parameters, except as otherwise specified in this section. All model runs for this analysis use the BREEZE-developed parallel processing executable. This executable retains all of the U.S. EPA AERMOD code but adds code to allow AERMOD to run on multiple processor cores simultaneously, producing results faster.

4.3.2 Coordinate System

The locations of emission sources and receptors are represented in the Universal Transverse Mercator (UTM) coordinate system using the World Geodetic System (WGS84) projection. The UTM grid divides the world into coordinates that are measured in north meters (measured from the equator) and east meters (measured from the central meridian of a particular zone, which is set at 500 km).

4.3.3 Terrain Elevations

The terrain elevation for each receptor and emission source is determined using the United States Geological Survey (USGS) 1/3 arc-second National Elevation Dataset (NED). The data, obtained from the USGS, have terrain elevations at 10-meter intervals. The terrain height for each individual modeled receptor and emission source is determined by assigning the interpolated height from the digital terrain elevations surrounding each modeled receptor or emission source.

The AERMOD terrain preprocessor, AERMAP (version 18081), is used to compute the hill height scales for each receptor. AERMAP searches all NED data points for the terrain height and location that has the greatest influence on each receptor to determine the hill height scale for that receptor. AERMOD then uses the hill height scale in order to select the correct critical dividing streamline and concentration algorithm for each receptor.

4.3.4 Meteorological Data

Meteorological data is provided by BAAQMD for the calendar years 2013 through 2017. Surface data is from the San Martin Airport (Station ID 23293; elevation of 85.3 meters); upper air data is from the Oakland International Airport (Station ID 23230). The closest meteorological stations are selected for surface and upper air data. The meteorological data was not processed by BAAQMD with the default adj_u* option as site-specific friction data was available and incorporated into the analysis.

The Applicant requested more recent meteorological data from BAAQMD and was informed the 2013-2017 meteorological data is considered the most current data for modeling purposes formally approved by

BAAQMD as of February 2021. The Applicant also evaluated processing 2018-2020 meteorological data independently from BAAQMD and determined that significant portions of these data were missing. For each year 2018-2020 the missing data exceeded the EPA threshold of 10% with between 19.4% and 53.8% of the raw surface data missing. It is also anticipated that meteorological data on a year-to-year basis would not change in the same manner as background concentrations of criteria pollutants. As such, the 2013-2017 meteorological data remains the most appropriate data for use.

4.3.5 Building Downwash

Emission sources' proximity to nearby structures creates the potential for downwash of the emission plume and elevated ground-level concentrations. Off-site buildings to the north and northwest of the facility fenceline are conservatively included to account for potential building downwash effects. Off-site building dimensions are estimated using Google Earth measurements. On-site building dimensions were determined from the facility site plans and generator enclosure dimensions are determined from the equipment specifications in Appendix A-1.

The Building Profile Input Program (BPIP) with Plume Rise Model Enhancements (PRIME) (version 04274) is used to determine the building downwash characteristics for each stack in 10-degree intervals. The PRIME version of BPIP features enhanced plume dispersion coefficients due to turbulent wake and reduced plume rise caused by a combination of the descending streamlines in the lee of the building and the increased entrainment in the wake.

4.3.6 Receptors

According to U.S. EPA regulations, "ambient air" is defined as the portion of the atmosphere external to the source, to which the public has access. The dispersion modeling concentrations are determined for ambient air locations (i.e., receptors). The Applicant's property boundary is the ambient air boundary for the modeling demonstrations. The following receptors are used to ensure ambient air is protected:

- Boundary receptors with 20 meter (m) spacing; and
- A variable density receptor grid with 20 m intervals from the facility center to 500 m, 50 m intervals to 1,000 m, 100 m intervals to 2,000 m, 200 m intervals to 5,000 m, and 500 m intervals to 10,000 m.

For the air dispersion modeling analysis demonstrating compliance with the AAQS, receptors are set at ground level. For the health risk analysis, receptors are set at a flagpole height of 1.5 meters to conservatively represent an average human's breathing height as recommended by the BAAQMD Recommended Methods for Screening and Modeling Local Risks and Hazards (BAAQMD, 2011).

4.4 Generator Load Screening Analysis

The proposed generators will operate during the operational phase of the project at varying loads for purposes of maintenance and testing, and the pollutant emission rates and stack parameters (specifically exhaust temperature and flow rate) will differ for each load. The generators will not all operate simultaneously on a short-term basis for routine maintenance and testing activities conducted pursuant to the manufacturer specifications. Therefore, a load screening analysis was completed to determine the worst-case load and generator for each pollutant and short-term averaging period (e.g. 1-hour, 3-hour, 8-hour, 24-hour) for use in Federal and State AAQS modeling demonstrations. The goal of this analysis is to identify a single generator operating scenario which conservatively represents any potential combinations of generators which could operate during each pollutant averaging period (e.g. assuming a single worst-case engine operated continuously at a single load over the 8-hour averaging period instead of a more realistic

scenario of various engines operating at various loads for short periods of time over the 8-hour averaging period).

The analysis implements one model (herein referred to as the "General Screening Model") for all pollutant and short-term averaging standards except for 1-hour NO_2 which is further discussed in Section 4.4.3. For CO, SO_2, PM_{10}, and $PM_{2.5}$, the worst-case generator/load combinations are used to develop the AAQS models described further in Section 4.6.

4.4.1 Emission Sources

AERMOD allows for emission units to be represented as point, volume, area, or road sources. The modeled generators are considered point sources and are modeled as such. There are 127 point sources in the General Screening Model, including five point sources for each of the 25 critical backup generators (one source for each load scenario) and one point source for the life safety generator and security generator. The point sources at each critical backup generator represent 10%, 25%, 50%, 75%, and 100% loads using the load-specific stack parameters per manufacturer specification sheets. The point sources for the life safety generator and security generator represent 100% load. Refer to Appendix A-4 for a summary of emission unit modeling parameters. Figure 4-1 demonstrates the emission source layout.



Figure 4-1: Layout of Modeled Emission Sources for the Proposed Project

The stack parameters for each critical backup generator load and the 100% load for the life safety generator and the security generator are summarized in Table 4-10.

Table 4-10: Load Screening Analysis Generator Parameters

Generator Category		Critical Backup Generators					Life Safety Generator	Security Generator
Operating Scenario		A	B	C	D	E	F	G
Load (%)		100	75	50	25	10	100	100
Horsepower (bhp)	a	3633	2760	1889	1029	497	900	280
Stack temperature (F)	a	853.1	804.8	775.1	731.8	562.6	994.3	948
Stack flow rate (cfm)	a	18,497	15,126	11,701	7,238	4,428	4,784.4	1,229.0
Stack velocity (m/s)	b	25.49	20.84	16.12	9.97	6.10	30.95	24.40
PM Emission Factor (g/bhp-hr)	c	0.02	0.02	0.02	0.02	0.03	8.20E-02	0.100
ROG Emission Factor (g/bhp-hr)	d	0.1	0.14	0.22	0.3	0.67	0.097	0.142
CO Emission Factor (g/bhp-hr)	d	0.42	0.26	0.32	0.82	2.37	0.67	0.89
SO_2 Emission Factor (g/bhp-hr)	e	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055
NO_x Emission Factor (g/bhp-hr)	f	0.5	0.5	0.5	0.5	0.5	4.21	2.74
PM Short-term Emission Rate (g/s/generator)	g	2.018E-02	1.533E-02	1.049E-02	5.717E-03	4.142E-03	2.051E-02	7.778E-03
NO_x Short-term Emission Rate (g/s/generator)	g	5.046E-01	3.833E-01	2.624E-01	1.429E-01	6.903E-02	1.053E+00	2.134E-01
ROG Short-term Emission Rate (g/s/generator)	g	1.009E-01	1.073E-01	1.154E-01	8.575E-02	9.250E-02	2.424E-02	1.102E-02
CO Short-term Emission Rate (g/s/generator)	g	4.239E-01	1.993E-01	1.679E-01	2.344E-01	3.272E-01	1.678E-01	6.960E-02
SO_2 Short-term Emission Rate (g/s/generator)	g	5.555E-03	4.220E-03	2.888E-03	1.573E-03	7.599E-04	1.376E-03	4.281E-04

a. Operating Scenarios A through E represent varying load operation of the 3516C emergency generators. Operating Scenario F represents the life safety generator operation at 100% load. Operating Scenario G represents the security generator operation at 100% load.
3516C Engine operating parameters come from manufacturer performance data sheet titled "Performance Data [EM1895]", dated June 16, 2021, General Performance Data.
Life safety generator horsepower comes from the South Coast AQMD Certified ICE-Emergency Generators spreadsheet for a Caterpillar C-18 600kWe engine (SCAQMD, 2021).
Life safety generator operating parameters come from the manufacturer's generator specification sheet titled "Performance Data [DM8518]", dated June 15, 2021, General Performance Data.
Security generator horsepower and operating parameters provided by Caterpillar dealership contact Bob Shepherd (Quinn Group, Inc. Manager) on 9/2/2020 for Perkins/Caterpillar Model 1106D-E70TA(C7.1) for 175 kW generators.

b. Stack velocity (m/s) = [Stack flow rate (cfm)] / [Stack area (ft^2)] * [0.3048 m/ft] / [60 sec/min]. The stack diameter is 26 inches for all critical emergency generators. The stack diameter is 12 inches for the life safety generator. The stack diameter is 6.85 inches for the security generator.

c. Critical backup generator PM emission factors conservatively reflect the SCR abatement package guarantee for all loads per the Miratech specification sheet. Life safety generator and security building generator PM emission factors per the U.S. EPA engine family certification levels for the respective engine families (U.S. EPA, 2022b).

d. Critical backup generator emission factors come from manufacturer performance data sheet titled "Performance Data [EM1894]", dated June 16, 2021, Emissions Data section: Rated Speed Nominal Data: 1800 rpm.
Life safety generator emission factors come from the U.S. EPA engine family certification levels (U.S. EPA, 2022b).
Security generator emission factors come from the U.S. EPA engine family certification levels (U.S. EPA, 2022b).

e. The proposed generators will use ultra-low sulfur diesel fuel which contains 0.0015% sulfur as defined under 40 CFR 80, Subpart I. The SO_2 emission factor is from AP-42 Section 3.4, Table 3.4-1 (10/96).

f. Critical backup generator Tier 4F NO_x emission factor per the Miratech specification sheet.

g. Short-term Emission Rate (g/s/generator) = [Pollutant Emission Factor (g/bhp-hr)] * [Engine Horsepower (bhp)] / [3,600 s/hr].

4.4.2 Emission Rates

The General Screening Model is run with a point source unit emission rate of 1 gram per second (g/s) for "Other" pollutant as reflected in the load screening analysis model inputs included in Appendix A-4.[6] The pollutant-specific emission rates are then applied to the unitized model results.

The Refined 1-Hour NO_2 Analysis as discussed in Section 4.4.3 uses the NO_X short-term emission rates directly for the corresponding engine and load in g/s instead of utilizing the unitized 1 g/s emission rate as the model involves a single pollutant and averaging period.

4.4.3 Refined Analysis for 1-Hour NO_2 Standards

For comparison to the 1-hour NO_2 NAAQS and CAAQS, each generator and operating load (if applicable) is modeled using the Plume Volume Molar Ratio Method (PVMRM) per U.S. EPA's guidelines (U.S. EPA, 2017). The in-stack ratio (ISR) is set at 0.1 based on data presented in the U.S. EPA's NO_2/NO_X ISR database for diesel/kerosine-fired reciprocating internal combustion engines (U.S. EPA, 2020b). Emissions modeled in the refined analysis reflect the emission rates listed in Table 4-11 for each applicable load and generator and are not annualized as is generally the standard practice for modeling intermittent emission sources.[7]

As part of the PVMRM technique, 2013-2017 hourly ozone data from local monitoring stations is included in the modeling analysis to refine the NO_X to NO_2 conversion rate.[8] The 2013-2017 hourly ozone data is used to match the 2013-2017 meteorological data used. Ozone data from the monitoring station at the San Martin monitoring station is utilized, then for hours in which ozone data at this station was not available, data from the 158 East Jackson St., San Jose monitoring station is utilized. Missing hourly ozone data is substituted as follows: for one to two consecutive hours of missing values, the missing value is replaced by the greatest preceding or succeeding value. For three or more consecutive hours of missing hourly values, the maximum value occurring from the same month and hour across the five years of ozone data is used.

Seasonal hourly (SEASHR) NO_2 background data matching the AAQS format are incorporated. Hourly 2018-2020 NO_2 data is from the 1007 Knox Ave., San Jose monitoring station is used. A significant portion of the 2021 NO_2 hourly data is missing from the San Jose monitoring station, thus the seasonal hourly background data is limited to 2018-2020 data. Missing hourly data is replaced in the same manner as for hourly ozone data previously described. For NAAQS models, hourly data is represented based on the 98th percentile for each season and hour. The 98th percentile is represented using the 3rd-highest value for each season and hour as consistent with EPA Guidance (U.S. EPA, 2011). For CAAQS models, the maximum SEASHR data is used as consistent with the format of the standard.

Because PVMRM is dependent on all sources represented in the model, individual models for each generator, load, and standard (CAAQS/NAAQS) are run to determine the worst-case scenario for comparison to the 1-hour NO_2 NAAQS and CAAQS. Based on the results of the previously prepared AQIA, the Applicant updated the seasonal background data, generator stack parameters, and emission rate for only the top five

[6] AERMOD allows the user to select specific pollutants to implement specific averaging methodologies and chemical reaction options. Thus, "Other" is utilized to make the analysis generic for all pollutants.
[7] EPA guidance recommends annualizing emissions from intermittent sources, such as emergency generators, to demonstrate compliance with the 1-hour NO_2 and SO_2 NAAQS (U.S. EPA, 2011). However, to provide a conservative representation, the 1-hr SO_2 and NO_2 emission rates are modeled as maximum hourly emission rates.
[8] The time period of 2013-2017 was selected for the ozone data to be consistent with the meteorological data (a requirement to run PVMRM).

worst-case generators that remained in this AQIA's generator yard design for both CAAQS and NAAQS. By assuming Tier 4F-compliant emission rates, the worst-case generator for both CAAQS and NAAQS was determined to be the security generator. Further description of the individual emission sources is provided in Sections 4.4.1 and 4.4.2.

4.4.4 Load Screening Analysis Model Results

The General Screening Model results are scaled to the emission rates provided for each pollutant and generator load per the critical backup generators' manufacturer performance specifications and life safety/security generators' EPA engine family certification levels. The generator which contributes the maximum ambient concentration after the scaling process for each pollutant/averaging period combination is determined to be the worst-case engine and is then selected for the short-term Federal and/or State AAQS modeling demonstration. A detailed summary of the worst-case generator at the worst-case load for each criteria pollutant and AAQS averaging period based on these scaled results is included in Table 4-11. The location of the worst-case generators is depicted in Figure 4-1. AERMOD dispersion model outputs for the General Screening Model are included in Appendix A-5.

Table 4-11: Load Screening Analysis Model Worst-Case Scenario Results

Pollutant	Averaging Period	Worst-Case Generator	Worst-Case Load	Pollutant-Specific Emission Rate (g/s/generator)
NO_2	1-hour CAAQS	SEC1G [a]	100%	2.134E-01
	1-hour NAAQS	SEC1G [a]	100%	2.134E-01
CO	1-hour	GEN10	10%	3.272E-01
	8-hour	GEN2	10%	3.272E-01
SO_2	1-hour	GEN10	100%	5.555E-03
	3-hour	GEN8	100%	5.555E-03
	24-hour	GEN25	100%	5.555E-03
PM_{10}	24-hour	LSGEN1	100%	2.051E-02
$PM_{2.5}$	24-hour	LSGEN1	100%	2.051E-02

a. Additional modeling implementing hourly restrictions on the worst-case hours for SEC1G were necessary to demonstrate compliance.

4.5 Construction Phase Air Dispersion Modeling Analysis

Ambient air quality standards define clean air and protect public health, including the health of sensitive populations such as children and the elderly. Therefore, modeling in comparison to the NAAQS and CAAQS provides insight into the impact of the proposed Project on public health and clean air in the area surrounding the proposed Project area. All construction AAQS modeling represents the worst-case emissions by using the maximum emission rates per pollutant across all years of construction operation as represented in one year, which is chosen as 2026 during which the Phase II exterior building is constructed and the Phase I building is operational.

4.5.1 Emission Sources

AERMOD allows for emission units to be represented as point, volume, area, or road sources. Emissions from the construction equipment tailpipes and fugitive dust from soil disturbance (material handling, roads, and surfaces) are represented as volume sources. The source parameters associated with the construction volume sources are provided in Table 4-12 below.

Table 4-12: Project Construction Air Dispersion Modeling Volume Source Input Parameters

Source Description	Model ID	Release Height (m)	Initial Lateral Dimension (m)	Initial Vertical Dimension (m)
Volume Source: Construction Equipment Tailpipe Emissions	EXHAUST	1.12	97.23	0.52
Volume Source: Fugitive Dust from Soil Disturbance (material handling and road dust entrainment)	FUGDUST	1.12	97.23	0.52

Both volume sources are located over the proposed facility buildings to represent the general area construction would occur. The volume source type is representative of the construction emission sources as they are fugitive in nature and may occur above ground level or with a vertical plume rise. The release heights of EXHAUST and FUGDUST are based on the midpoint height of the weighted average height of the construction equipment. The weighted average height is developed using dimensions of the equipment type and the anticipated quantity of the equipment type. Most emissions from FUGDUST are from material handling operations as opposed to road dust entrainment, thus the initial and lateral dimensions are conservatively represented similarly to EXHAUST as opposed to haul road volume source dimensions. Construction equipment types include, but are not limited to, concrete saws, crushers, excavators, dozers, tractors, graders, scrapers, and cranes. The initial lateral and vertical dimensions are estimated using the area encompassing the two proposed construction phases and dividing by a factor of 4.3 and 2.15, respectively, as consistent with AERMOD user guidance (U.S. EPA, 2019b).

Short-term averaging period models only represent the construction volume sources while long-term averaging period models represent both the construction volume sources and the generators associated with the Phase I building (GEN1 through GEN25, LSGEN1) and the security generator (SEC1) (collectively referred to as the Phase I generators). Generators are not included in short-term averaging period models because the Applicant will implement Mitigation Measure AQ-2 to comply with the 1-hour NO_2 CAAQS and NAAQS limits, as further described in Section 4.5.4.

4.5.2 Emission Rates

Emission rates for the construction emission sources reflect the maximum annual and daily mitigated emissions as calculated using CalEEMod. All construction AAQS modeling represents the worst-case emissions by using the maximum emission rates per pollutant across all years of construction operation as represented in one year, which is 2023 during which the Phase II building is constructed. The CalEEMod calculations assume 8 hours of construction equipment operation during weekdays, as will be the typical operating schedule. The dispersion modeling reflects that construction activities will occur during weekdays, generally for 8-hours per day and in accordance with local construction restrictions. Construction equipment tailpipe emissions include NO_X, CO, SO_2, PM_{10}, and $PM_{2.5}$. For the 1-hour NO_2 NAAQS and CAAQS models, emissions are represented using NO_2 PVMRM with the same ozone and background data described in Section 4.4.3, while all other pollutants are represented using the respective pollutant's "Concentration Only" method. Construction equipment material handling fugitive particulate emissions (i.e. scooping/dumping of soil) are included with Fugitive PM_{10} and Fugitive $PM_{2.5}$.

Emission rates for the Phase I generators represented in the long-term averaging period models are consistent with those used for the operational phase dispersion modeling further described in Section 4.6.2.

4.5.3 Background Concentration

Background concentration data at the ambient air monitoring station in closest proximity to the Project is determined as described in Section 3.2.3 of this AQIA.

As shown in Table 4-12, the background concentrations alone of PM_{10} at certain averaging periods exceed the AAQS. Therefore, any additional Project emissions of PM_{10} at the same averaging periods would also inherently exceed the AAQS, regardless of the magnitude of potential emissions from the proposed Project.

4.5.4 Ambient Air Dispersion Model Results

The CEQA environmental checklist criterion "b" addresses whether a project would result in a cumulative considerable net increase of any criteria pollutant for which the project region is in non-attainment under an applicable federal or state ambient air quality standard. The BAAQMD has determined the criteria pollutant project-level thresholds to address the CEQA environmental checklist criterion "b" in determining if an individual project's contribution to the cumulative impact is cumulatively considerable. The Project's average daily and annual criteria pollutant emissions are below the BAAQMD CEQA Thresholds of Significance, thus would not have a significant adverse air quality impact under the BAAQMD's recommended guidelines. To provide a complete analysis that describes the foreseeable impacts of the Project, the Applicant has also completed ambient air dispersion modeling to confirm that all federal and state ambient air quality standards will not experience a cumulative considerable net increase.

The Applicant has chosen to model the worst potential impacts from the construction phase using several conservative assumptions, such as the following:

1. The maximum potential emissions are represented for all dispersion modeling. The maximum potential emissions are from construction operations in 2026 or 2027. Construction of the Phase II building exterior is anticipated to only occur during 2026.
2. Because Phase I will be operational by 2025, annual generator emissions are included to represent operational and construction impacts combined.
3. Volume source location is centrally located between the Phase I and Phase II buildings during the construction of the Phase II building. The Phase II building is located on the east side of the property while the majority of receptors are located to the west of the property boundary. Therefore, emissions are conservatively represented as being located closer to the western receptors than actual construction operations during the worst-case construction emissions time frame.
4. Volume source initial vertical dimensions were conservatively chosen to be closer to the ground thus reducing potential dispersion and resulting in increased ground level concentrations.
5. BAAQMD guidance recommends removing the offsite emissions beyond 1,000 feet of the project boundary.[9] The modeled emission rates did not exclude the offsite emissions beyond 1,000 feet of the project boundary, and as such, are conservative representations of the emissions occurring at the Facility.

The total concentrations of PM_{10} from the background concentrations and construction emissions exceed the 24-hour CAAQS and the annual CAAQS. However, for each of these exceedances, the concentrations of pollutant emissions resulting from the Project are below the applicable Class II Significant Impact Levels

[9] Per e-mail correspondence with Areana Flores (BAAQMD) and Emily Wen (Trinity) on January 7, 2020.

(SIL) thresholds of 5 µg/m^3 for 24-hour impacts and 1 µg/m^3 for annual impacts, which represent the concentrations of criteria pollutants in the ambient air that are considered inconsequential in comparison to the NAAQS (U.S. EPA, 2018). As stated previously, the background concentrations for each of these cases already exceed the CAAQS and thus despite the comparably minimal Project contributions, the CAAQS is exceeded. As demonstrated in Table 4-5, the construction PM_{10} emissions from the proposed Project are well under the BAAQMD CEQA thresholds of significance. Due to these circumstances, the Applicant does not consider the Project emissions as significantly impacting the state or federal air quality plans.

The following should be noted with respect to Table 4-14:

- The background concentration data for PM_{10} is above the 24-hour and annual CAAQS and the background concentration data for $PM_{2.5}$ is above the 24-hour NAAQS and annual CAAQS without including concentrations from the proposed Project.
- Therefore, the concentration of PM_{10} is above the 24-hour and annual CAAQS when cumulated with background concentration data available from BAAQMD ambient air monitors and it can be deduced that the background concentrations of PM_{10} are responsible for the proposed Project's total concentration exceeding the CAAQS for PM_{10}.
- Further, the concentrations of PM_{10} resulting from the proposed Project alone are significantly below the CAAQS and the 24-hour and annual concentrations of PM_{10} resulting from the proposed Project are below the PM_{10} 24-hour and annual SILs.
- Per the BAAQMD CEQA thresholds of significance, PM_{10} emissions are much lower than the significance thresholds, as discussed in Section 4.2.1.

To comply with the 1-hour NO_2 CAAQS and NAAQS, the Applicant is implementing Mitigation Measure AQ-2 to reduce NO_X impacts below the threshold, as addressed in detail below.

Mitigation Measure AQ-2. Limit generator maintenance and testing such that generator maintenance and testing operation does not occur during the same hour as the Phase II building exterior construction equipment operation.

Table 4-13: Construction Phase Ambient Air Quality Dispersion Model Results and Comparison to AAQS

Pollutant	Averaging Period	Ambient Air Quality Standards		Construction Concentration (µg/m³)	Background Concentration (µg/m³)	Total Concentration (µg/m³)	Comparison to Ambient Air Quality Standards		If AAQS Exceeded, Comparison to SIL [d]
		CAAQS [b]	NAAQS [c]				CAAQS	NAAQS	
		(µg/m³)	(µg/m³)				Below Threshold?	Below Threshold?	Below Threshold?
NO_2	1-hour [a]	339	--	--	--	179.9	Yes	--	--
		--	188	--	--	146.6	--	Yes	--
	Annual	57	--	4	27	30.9	Yes	--	--
		--	100	4	25	28.1	--	Yes	--
CO	1-hour	23,000	--	259	2,749	3,008	Yes	--	--
		--	40,000	205	2,406	2,611	--	Yes	--
	8-hour	10,000	--	66	2,062	2128.6	Yes	--	--
		--	10,000	58	2,062	2,119.6	--	Yes	--
SO_2	1-hour	655	--	0.56	38	38.6	Yes	--	--
		--	196	0.35	5	5.6	--	Yes	--
	3-hour	--	1,300	0.27	5	5.3	--	Yes	--
	24-hour	105	--	0.09	4	4.0	Yes	--	--
	Annual	--	80	0.016	0.28	0.3	--	Yes	--
PM_{10}	24-hour	50	--	4	137	140.9	No	--	Yes
		--	150	3	61	64.2	--	Yes	--
	Annual	20	--	0.48	23	23.6	No	--	Yes
$PM_{2.5}$	24-hour	--	35	1.19	26	27	--	Yes	--
	Annual	--	12	0.270	10	10.2	--	Yes	--
		12	--	0.276	7.2	7.4	Yes	--	--

a. For 1-hr NO_2 impacts, the total concentration reflects the highest modeled 1-hour NO_2 concentration (Project concentration) combined with seasonal hour of day NO_2 background concentrations.

b. The CAAQS are codified in the California Code of Regulations Title 17 §70200 Table of Standards (CARB, 2008b).

c. The NAAQS are codified in 40 CFR Part 50, National Primary and Secondary Ambient Air Quality Standards (U.S. EPA, 2020c).

d. For PM_{10}, the SILs are 5 µg/m³ for 24-hour impacts and 1 µg/m³ for annual impacts. Class II SILs are codified in 40 CFR Section 51.165(b)(2) (U.S. EPA, 1986).

4.6 Operational Phase Air Dispersion Modeling Analysis

In addition to construction phase air dispersion modeling, operational phase air dispersion modeling was also conducted.

4.6.1 Emission Sources

Air dispersion models for averaging periods of less than one year (short-term) incorporate the representative worst-case generator as determined per the load screening analysis. Stack parameters correspond to the representative, worst-case load identified in the load screening analysis.

Air dispersion models for annual averaging periods include all 25 critical backup generators, one life safety generator, and one security generator. Stack parameters for the critical backup generators, such as temperature and flow rate, are conservatively set at 10% load, representing the lowest temperature and flow rate. Low temperatures and low flow rates are considered to be most conservative because cooler, slow-moving plumes are less ideal for dispersion and tend to concentrate closer to the Project area, resulting in higher concentrations. In contrast, hot and fast-moving plumes will disperse more quickly and create lower concentrations around the facility.

4.6.2 Emission Rates

The AERMOD dispersion model is run with different emission rates dependent upon the averaging period of the model. For averaging periods of less than one year (short-term), the emissions factors from the manufacturer specification sheets for the worst-case representative generator load are converted to a g/s equivalent value. This equivalent value is input as the emission rate into the AERMOD dispersion model. The worst-case emission rates for each short-term AAQS are summarized in Table 4-12.

Operational schedules will be limited to one generator at a time for routine maintenance and testing activities conducted pursuant to manufacturer specifications. The short-term AAQS models represent the most conservative emissions scenario in which the worst-case load/generator operates continuously over the entire averaging period.

For annual averaging periods, the annual PTE calculated in the emission calculations in Section 4.2.3 per generator was converted to a g/s equivalent value for the critical backup generators and life safety generator.[10] These equivalent values are input as the emission rate for the respective type of generator into the AERMOD dispersion model.

4.6.3 Background Concentration

Background concentration data at the ambient air monitoring station in closest proximity to the Project is determined as described in Section 3.2.3 of this AQIA.

As shown in Table 4-14, the background concentrations alone of PM_{10} at certain averaging periods exceed the AAQS. Therefore, any additional Project emissions of PM_{10} at the same averaging periods would also inherently exceed the AAQS, regardless of the magnitude of potential emissions from the proposed Project.

[10] This emission rate conversion from annual PTE in tpy to g/s is based on 8,760 hours per year of operation as AERMOD will estimate annual impacts from 8,760 hours per year of operation.

4.6.4 Ambient Air Dispersion Model Results

The CEQA environmental checklist criterion "b" addresses whether a project would result in a cumulative considerable net increase of any criteria pollutant for which the project region is in non-attainment under an applicable federal or state ambient air quality standard. The BAAQMD has determined the criteria pollutant project-level thresholds to address the CEQA environmental checklist criterion "b" in determining if an individual project's contribution to the cumulative impact is cumulatively considerable. The Project's average daily and annual criteria pollutant emissions are below the BAAQMD CEQA Thresholds of Significance, thus would not have a significant adverse air quality impact under the BAAQMD's recommended guidelines. To provide a complete analysis that describes the foreseeable impacts of the Project, the Applicant has also completed ambient air dispersion modeling to confirm that all federal and state ambient air quality standards will not experience a cumulative considerable net increase.

The representative worst-case generators from the load screening analysis model were modeled and the resulting concentrations were compared to the NAAQS and CAAQS for each pollutant at each applicable averaging period. A detailed summary of the results and the comparison to NAAQS and CAAQS is included in Table 4-14. As discussed in Section 4.5.4, the total concentrations of PM_{10} from the background concentrations and Project emissions exceed the 24-hour CAAQS and the annual CAAQS. However, for each of these exceedances, the concentrations of pollutant emissions resulting from the Project are below the applicable Class II Significant Impact Levels (SIL) thresholds of 5 $\mu g/m^3$ for 24-hour impacts and 1 $\mu g/m^3$ for annual impacts, which represent the concentrations of criteria pollutants in the ambient air that are considered inconsequential in comparison to the NAAQS (U.S. EPA, 2018). As stated previously, the background concentrations for each of these cases already exceed the CAAQS and thus despite the comparably minimal Project contributions, the CAAQS is exceeded. As demonstrated in Table 4-7, the operational PM_{10} emissions from the proposed Project are well under the BAAQMD CEQA thresholds of significance. Due to these circumstances, the Applicant does not consider the Project emissions as significantly impacting the state or federal air quality plans.

The following should be noted with respect to Table 4-14:

- The background concentration data for PM_{10} is above the 24-hour and annual CAAQS and the background concentration data for $PM_{2.5}$ is above the 24-hour NAAQS and annual CAAQS without including concentrations from the proposed Project.
- Therefore, the concentration of PM_{10} is above the 24-hour and annual CAAQS when cumulated with background concentration data available from BAAQMD ambient air monitors and it can be deduced that the background concentrations of PM_{10} are responsible for the proposed Project's total concentration exceeding the CAAQS for PM_{10}.
- Further, the concentrations of PM_{10} resulting from the proposed Project alone are significantly below the CAAQS and the 24-hour and annual concentrations of PM_{10} resulting from the proposed Project are below the PM_{10} 24-hour and annual SILs.
- Per the BAAQMD CEQA thresholds of significance, PM_{10} emissions are much lower than the significance thresholds, as discussed in Section 4.2.3.

To comply with the 1-hour NO_2 NAAQS, the Applicant is implementing Mitigation Measure AQ-3 to reduce NO_X impacts below the threshold, as addressed in detail below.

Mitigation Measure AQ-3. Limit operational schedule for SEC1.

The Applicant shall not conduct maintenance and testing at 100% load for the security building generator from 4:00 PM to 7:00 AM to comply with the 1-hour NO_2 NAAQS.

Table 4-14: Operation Phase Ambient Air Quality Dispersion Model Results and Comparison to AAQS

Pollutant	Averaging Period	Ambient Air Quality Standards		Project Concentration ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	Comparison to Ambient Air Quality Standards		If AAQS Exceeded, Comparison to SIL [d]
		CAAQS [b]	NAAQS [c]				CAAQS	NAAQS	
		($\mu g/m^3$)	($\mu g/m^3$)				Below Threshold?	Below Threshold?	Below Threshold?
NO_2	1-hour [a]	339	--	--	--	269	Yes	--	--
		--	188	--	--	179	--	Yes	--
	Annual	57	--	0.8	27	28	Yes	--	--
		--	100	0.8	25	25	--	Yes	--
CO	1-hour	23,000	--	126	2,749	2,875	Yes	--	--
		--	40,000	113	2,406	2,519	--	Yes	--
	8-hour	10,000	--	45	2,062	2,107	Yes	--	--
		--	10,000	41	2,062	2,103	--	Yes	--
SO_2	1-hour	655	--	1.07	38	39.1	Yes	--	--
		--	196	0.69	5	5.9	--	Yes	--
	3-hour	--	1,300	0.36	5	5.3	--	Yes	--
	24-hour	105	--	0.24	4	4.2	Yes	--	--
	Annual	--	80	0.009	0.28	0.3	--	Yes	--
PM_{10}	24-hour	50	--	1.6	137	139	No	--	Yes
		--	150	1.6	61	63	--	Yes	--
	Annual	20	--	0.025	23.1	23.1	No	--	Yes
$PM_{2.5}$	24-hour	--	35	1.36	26.1	27	--	Yes	--
	Annual	--	12	0.021	9.9	9.9	--	Yes	--
		12	--	0.025	7.2	7.2	Yes	--	--

a. The 1-hr NO_2 impacts, the total concentration reflects the highest modeled 1-hour NO_2 concentration (Project concentration) combined with seasonal hour of day NO_2 background concentrations for the appropriate standard. The 1-hr NO_2 impact reflects Mitigation Measure AQ-3 which is conservatively not reflected in the other AAQS models.

b. The CAAQS are codified in the California Code of Regulations Title 17 §70200 Table of Standards (CARB, 2008b).

c. The NAAQS are codified in 40 CFR Part 50, National Primary and Secondary Ambient Air Quality Standards (U.S. EPA, 2020d).

d. For PM_{10}, the SILs are 5 $\mu g/m^3$ for 24-hour impacts and 1 $\mu g/m^3$ for annual impacts. Class II SILs are codified in 40 CFR Section 51.165(b)(2) (U.S. EPA, 1986).

4.7 Health Risk Assessments

This section presents the evaluation of potential health risks from TACs associated with the proposed Project. Two HRAs are completed to determine the potential health risks, one for the construction phase and one for the operational phase of the Project. The HRA for the operational phase of the Project also includes consideration of estimated average annual emissions from emergency operations. The air toxic sources evaluated with the proposed Project for the construction phase are the emissions of diesel particulate matter from diesel-fired construction equipment for the exterior of the Phase II building and the DPM and ammonia from the operation of the Phase I building emergency generators. The air toxic sources evaluated with the proposed Project for the operational phase are the emissions of DPM and ammonia from emergency generators. AERMOD dispersion modeling and the Hotspots Analysis and Reporting Program Air Dispersion Modeling and Risk Tool (ADMRT) (version 21081) are used in this AQIA to estimate carcinogenic and chronic (long-term) health risks at residential and worker receptors and acute health risks at all receptors as a result of the emissions associated with the Project. The analysis concludes that the health risks are below BAAQMD's HRA thresholds of significance. The increased risk is evaluated on a per-receptor basis using the results from HRA conducted for the proposed Project emissions scenario. The results support a less than significant air quality impact on air toxic pollutant emissions. The following sections detail the parameters relevant to the air dispersion model and HRA.

4.7.1 Receptors

The fenceline and refined variable density receptors used for the air dispersion modeling are also used to evaluate the project health risks associated with the proposed Project. Section 4.3.6 provides details on the receptors that are used to evaluate project risk. The receptors are set at a flagpole height of 1.5 meters to conservatively represent an average human's breathing height as recommended by the BAAQMD Recommended Methods for Screening and Modeling Local Risks and Hazards (BAAQMD, 2011).

There are four key receptor types as follows:

- The Point of Maximum Impact (PMI) is selected as the highest risk receptor regardless of location.
- The Maximally Exposed Individual Resident (MEIR) is selected as the highest impact receptor which best aligns with a residence as modeled with resident exposure pathways and duration.
- Maximally Exposed Individual Sensitive Receptor (MEISR) is selected as the highest impact receptor which best aligns with a sensitive receptor (e.g., school, hospital, nursing home) as modeled with resident exposure pathways and duration.
- Maximally Exposed Individual Worker (MEIW) is selected as the highest impact receptor which best aligns with a workplace as modeled with worker exposure pathways and duration.

Potential sensitive receptors near the project are identified and summarized in Section 3.2.4. For purposes of the health risk analysis, the sensitive receptors are further refined to account for the anticipated chronic (long-term) exposure at the receptor location. Further discussion of the sensitive receptors considered for the health risk analysis is provided in Section 4.7.7.

4.7.2 Emission Sources

For the construction phase HRA, emissions are conservatively represented by using the maximum exhaust particulate emission rates as representative for 2026 in which the Phase II building is constructed and during which the Phase I building is operational. The AERMOD dispersion model is run with one volume source representing construction equipment tailpipe emissions and point sources representing 25 critical backup generators, one life safety generator, and one security generator. The conservatively estimated

volume source parameters are provided in Section 4.5.1 and point source parameters are consistent with the operational phase HRA described in this section.

For the operational phase HRA, the AERMOD dispersion model is run with point sources representing each of the 25 critical backup generators, one life safety generator, and one security generator. For the testing and maintenance analysis, stack parameters such as temperature and flow rate for the critical backup generators are conservatively set at 50% load, representing the lowest temperature and flow rate of routine testing operations. For consideration of potential emergency operations, stack parameters are set at 100% load. Stack parameters for the life safety generator and security generator are set at 100% load due to the availability of manufacturer-specified stack parameter data.

4.7.3 Emission Rates

The AERMOD dispersion model is run with a point source unitized emission rate of 1 g/s for "Other" pollutant. For the construction phase HRA, the AERMOD results are scaled by the worst-case annual construction exhaust PM PTE determined in CalEEMod for the volume source and the project operational annual PTE per generator per the emission calculations in Section 4.2.1. for the emergency generators. For the project operational HRA, the AERMOD results are scaled by the project operational annual PTE per generator in the emission calculations in Section 4.2.1 for all 27 emergency generators. The scaled PTE is then inputted into HARP.

4.7.4 Exposure Pathways

Results from the air dispersion modeling assessment are combined with applicable TAC emission rates in HARP to model risk and exposure. Exposure pathways are generally classified as primary pathways and secondary pathways. Inhalation is the primary exposure pathway for all modeled sources and substances. For multi-pathway substances, non-inhalation exposure pathways are also to be evaluated.

Residential cancer risks and chronic hazard indices are evaluated for the following default exposure pathways: dermal absorption, soil ingestion (reflecting a 0.02 m/s deposition rate for particulate-controlled sources), and mother's milk. HARP default parameters were used for numerical pathway inputs.

Worker cancer risks and chronic hazard indices are evaluated based on default worker multi-pathway exposure for the following exposure pathways: dermal absorption, soil ingestion (reflecting a 0.02 m/s deposition rate for particulate-controlled sources). An 8-hour breathing rate with moderate intensity and a 4.2 worker adjustment factor (WAF) was applied to the inhalation pathway to conservatively account for exposure to workers while testing occurred primarily during regular business hours.

4.7.5 Construction Phase Exposure Duration

As construction is not expected to occur for more than 7 years, the exposure duration is represented as 7 years with residential and sensitive receptor exposure assumed to begin prior to birth (during the third trimester of pregnancy). Worker exposure is assumed to begin at age 16 and for a total duration of 7 years. For the residential scenario, the default fraction of time at residence for age bins greater than or equal to 16 years is applied to account for adults spending a portion of the day away from their residence. The fraction of time at residence for age bins less than or equal to 16 years is applied because there are no schools located within the Zone of Impact (ZOI), which is the 1 per million or greater cancer risk zone associated with the Project (OEHHA, 2015). The Zone of Impact is further discussed in Section 4.7.7.

4.7.6 Operational Phase Exposure Duration

Consistent with health risk default parameters, residential and sensitive receptor exposure is assumed to begin prior to birth (during the third trimester of pregnancy) and continue for 30 years while worker exposure is assumed to begin at age 16 and continue for 25 years. For the residential scenario, the default fraction of time at residence for age bins greater than or equal to 16 years is applied to account for adults spending a portion of the day away from their residence. The fraction of time at residence for age bins less than or equal to 16 years is applied because there are no schools located within the ZOI, which is the 1 per million or greater cancer risk zone associated with the Project (OEHHA, 2015). The Zone of Impact is further discussed in the subsequent section.

4.7.7 Project Air Toxic Modeling Results

The risk from the proposed Project for each residential, sensitive, and worker receptor is evaluated against the BAAQMD significance thresholds. Both the cancer risks and chronic hazard indices for residents, sensitive individuals, and workers are all below the BAAQMD significance thresholds for health risk. These risks are listed in Table 4-16 and Table 4-17. Thus, the HRA concludes that the Project would not have a significant health risk.

Figure 4-2 shows the location of the MEIR, MEISR, MEIW, and PMI of the operational phase. The MEIR, MEISR, MEIW, and PMI locations are the same for both cancer risk and chronic hazard index evaluations. The construction phase MEIR, MEISR, and MEIW are the same locations as that for the operational phase.

The cancer risk and chronic hazard indices for the sensitive receptors listed in Table 3-6 are not individually evaluated because the risks are below that of the MEISR which are below the BAAQMD significance thresholds.

Table 4-15: Construction Phase Health Risk Assessment Results

Receptor	Sensitive Receptor ID [a]	HARP Receptor ID	Location (UTM Zone 10)	Location (Latitude/ Longitude)	Cancer Risk (in 1 million)		Acute Hazard Index		Chronic Hazard Index		Significant Impact?
					Project Risk	Significance Threshold	Project Hazard Index	Significance Threshold	Project Hazard Index	Significance Threshold	
MEIR	N/A	2134	628869 m E 4097265 m N	37.012727, -121.551446	3.81	10	See PMI	1	1.43E-03	1	No
MEISR	4	1500	627569 m E 4097865 m N	37.018311, -121.565953	1.93	10	See PMI	1	7.29E-04	1	No
MEIW	N/A	457	628049 m E 4097905 m N	37.018606, -121.560551	2.04	10	See PMI	1	5.44E-03	1	No
PMI	N/A	924	628469 m E 4097725 m N	37.016927, -121.555862	35.2	N/A [b]	--	--	1.31E-02	N/A [b]	N/A
		484	628069 m E 4097605 m N	37.0159, -121.560378	--	--	4.68E-02	1	--	--	No

a. Sensitive Receptor ID corresponds to the ID provided in Table 3-6.

b. The BAAQMD CEQA Air Quality Guidelines note that the health risk evaluation should be considered for the MEI. Per BAAQMD Rule 2-5-302 and BAAQMD Rule 11-18-213, the MEI is defined as "a person that may be located at the receptor location where the highest exposure to toxic air contaminants emitted from a given source or project is predicted, as shown by an APCO-approved HRA." The definitions go on to specify that MEI locations consider exposure to residents, workers, and students. As such, the MEI location differs from the PMI in this evaluation. Since the PMI is not located at a receptor location where a person may reasonably be located on a long-term basis, the chronic and cancer risk thresholds are not applicable to the PMI location.

Table 4-16: Operational Phase Health Risk Assessment Results for Testing and Maintenance Operation

Receptor	Sensitive Receptor ID [a]	HARP Receptor ID	Location (UTM Zone 10)	Location (Latitude/ Longitude)	Cancer Risk (in 1 million)		Acute Hazard Index		Chronic Hazard Index		Significant Impact?
					Project Risk	Significance Threshold	Project Hazard Index	Significance Threshold	Project Hazard Index	Significance Threshold	
MEIR	N/A	2845	628569 m E 4096365 m N	37.004657, -121.554970	2.56	10	See PMI	1	See PMI	1	No
MEISR	4	1500	627569 m E 4097865 m N	37.018311, -121.565953	1.29	10	See PMI	1	See PMI	1	No
MEIW	N/A	457	628049 m E 4097905 m N	37.018606, -121.560551	1.25	10	See PMI	1	See PMI	1	No
PMI	N/A	549	628109 m E 4097765 m N	37.01733, -121.559900	26.35	N/A [b]	--	1	2.15E-03	N/A [b]	N/A
		4682	628069.8 m E 4097624.5 m N	37.0160, -121.560365	--	--	2.78E-02	1	--	--	No

a. Sensitive Receptor ID corresponds to the ID provided in Table 3-6.

b. The BAAQMD CEQA Air Quality Guidelines note that the health risk evaluation should be considered for the MEI. Per BAAQMD Rule 2-5-302 and BAAQMD Rule 11-18-213, the MEI is defined as "a person that may be located at the receptor location where the highest exposure to toxic air contaminants emitted from a given source or project is predicted, as shown by an APCO-approved HRA." The definitions go on to specify that MEI locations consider exposure to residents, workers, and students. As such, the MEI location differs from the PMI in this evaluation. Since the PMI is not located at a receptor location where a person may reasonably be located on a long-term basis, the chronic and cancer risk thresholds are not applicable to the PMI location.

c. Reflects load and emission profiles of each critical backup generator at 50% load for 50 hours/year. Life safety generator and security generator are both conservatively represented at 100% load for 50 hours/year.

Table 4-17: Operational Phase Health Risk Assessment Results for Emergency Operation

Receptor	Sensitive Receptor ID [a]	HARP Receptor ID	Location (UTM Zone 10)	Location (Latitude/ Longitude)	Cancer Risk (in 1 million)		Acute Hazard Index		Chronic Hazard Index		Significant Impact?
					Project Risk	Significance Threshold	Project Hazard Index	Significance Threshold	Project Hazard Index	Significance Threshold	
MEIR	N/A	2845	628569 m E 4096365 m N	37.004657, -121.554970	0.45	10	See PMI	1	See PMI	1	No
MEISR	4	1500	627569 m E 4097865 m N	37.018311, -121.565953	0.24	10	See PMI	1	See PMI	1	No
MEIW	N/A	457	628049 m E 4097905 m N	37.018606, -121.560551	0.24	10	See PMI	1	See PMI	1	No
PMI	N/A	549	628109 m E 4097765 m N	37.01733, -121.559900	5.15	N/A [b]	--	1	4.09E-04	N/A [b]	N/A
		4667	628070.4 m E 4097505.1 m N	37.015, -121.56037	--	--	2.16E-02	1	--	--	No

a. Sensitive Receptor ID corresponds to the ID provided in Table 3-6.

b. The BAAQMD CEQA Air Quality Guidelines note that the health risk evaluation should be considered for the MEI. Per BAAQMD Rule 2-5-302 and BAAQMD Rule 11-18-213, the MEI is defined as "a person that may be located at the receptor location where the highest exposure to toxic air contaminants emitted from a given source or project is predicted, as shown by an APCO-approved HRA." The definitions go on to specify that MEI locations consider exposure to residents, workers, and students. As such, the MEI location differs from the PMI in this evaluation. Since the PMI is not located at a receptor location where a person may reasonably be located on a long-term basis, the chronic and cancer risk thresholds are not applicable to the PMI location.

c. Reflects load and emission profiles of each critical backup generator at 100% load for 7 hours/year. Life safety generator and security generator are both conservatively represented at 100% load for 7 hours/year.

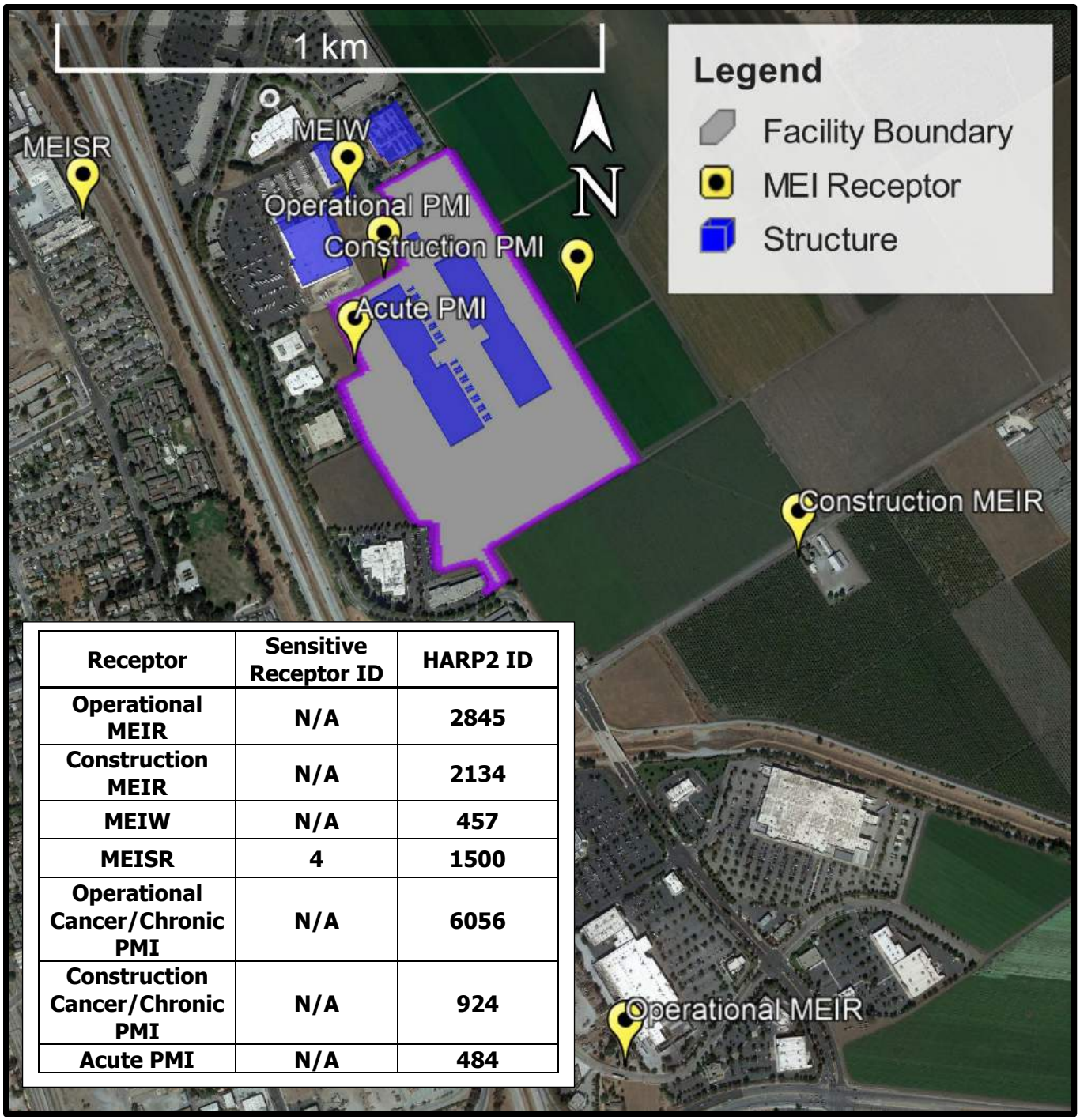
Table 4-18: Operational Phase Health Risk Assessment Results for Testing and Maintenance and Emergency Operation

Receptor	Sensitive Receptor ID [a]	HARP Receptor ID	Location (UTM Zone 10)	Location (Latitude/ Longitude)	Cancer Risk (in 1 million)		Acute Hazard Index		Chronic Hazard Index		Significant Impact?
					Project Risk	Significance Threshold	Project Hazard Index	Significance Threshold	Project Hazard Index	Significance Threshold	
MEIR	N/A	2845	628569 m E 4096365 m N	37.004657, -121.554970	3.00	10	See PMI	1	See PMI	1	No
MEISR	4	1500	627569 m E 4097865 m N	37.018311, -121.565953	1.53	10	See PMI	1	See PMI	1	No
MEIW	N/A	457	628049 m E 4097905 m N	37.018606, -121.560551	1.49	10	See PMI	1	See PMI	1	No
PMI	N/A	549	628109 m E 4097765 m N	37.01733, -121.559900	31.5	N/A [b]	--	1	2.55E-03	N/A [b]	N/A
		4682	628069.8 m E 4097624.5 m N	37.0160, -121.560365	--	--	4.90E-02	1	--	--	No

a. Sensitive Receptor ID corresponds to the ID provided in Table 3-6.

b. The BAAQMD CEQA Air Quality Guidelines note that the health risk evaluation should be considered for the MEI. Per BAAQMD Rule 2-5-302 and BAAQMD Rule 11-18-213, the MEI is defined as "a person that may be located at the receptor location where the highest exposure to toxic air contaminants emitted from a given source or project is predicted, as shown by an APCO-approved HRA." The definitions go on to specify that MEI locations consider exposure to residents, workers, and students. As such, the MEI location differs from the PMI in this evaluation. Since the PMI is not located at a receptor location where a person may reasonably be located on a long-term basis, the chronic and cancer risk thresholds are not applicable to the PMI location.

c. Summation of HRA results in Tables 4-16 and 4-17.



Receptor	Sensitive Receptor ID	HARP2 ID
Operational MEIR	N/A	2845
Construction MEIR	N/A	2134
MEIW	N/A	457
MEISR	4	1500
Operational Cancer/Chronic PMI	N/A	6056
Construction Cancer/Chronic PMI	N/A	924
Acute PMI	N/A	484

Figure 4-2: Location of MEIs and PMIs

As shown in Figure 4-2, the operational phase and construction phase PMIs are located along the north side of the Facility property boundary. The PMI locations are outside of a building in a place where the Applicant does not anticipate individuals would be located for extended periods of time.

The MEISR is a healthcare and rehabilitation center located to the west of the Facility property boundary which is anticipated to have in-patient care. The MEISR is determined by refining the list of sensitive

receptors identified in Section 3.2.4. to those which will have chronic exposure. DPM is the only toxic pollutant emitted from the Project's operations with cancer and chronic impacts. As such, sensitive receptors with the potential for chronic exposure are evaluated for determining the MEISR. Acute health risks as a result of the ammonia emissions are evaluated at all receptors and is independent of receptor type.

Figure 4-3 demonstrates the ZOI (the 1 per million or greater cancer risk zone) as a bright yellow outline and the zone of influence (the 1,000 feet zone around the property boundary) as a light green shaded area. There are no chronically-exposed sensitive receptors within the zone of influence.



Figure 4-3: Operational Phase One in 10^6 Cancer Risk Zone of Impact

An additional BAAQMD threshold of significance for the risk and hazards category evaluates the ambient $PM_{2.5}$ increase associated with the Project operations. The threshold is 0.3 µg/m^3 on an annual average basis and the maximum ambient $PM_{2.5}$ increase associated with the Project at any receptor is 0.025 µg/m^3; therefore, any value at an MEI location will inherently be lower (BAAQMD, 2022b). Thus, the ambient $PM_{2.5}$ increase associated with the Project is not a significant impact.

4.7.8 Cumulative Health Risk Assessment Results

In addition to the HRA described above, an assessment of the proposed Project's impact summed with the impacts of sources within 1,000 feet of the Project was conducted and compared to the BAAQMD CEQA cumulative thresholds of significance (BAAQMD, 2022b).[11] The cumulative cancer risk, hazard index, and ambient $PM_{2.5}$ concentration are calculated using the maximum cancer risk and hazard indices from stationary sources within 1,000 feet of the proposed Project, as provided by BAAQMD. The cancer risk and $PM_{2.5}$ concentration from highways, major streets, and rails within 1,000 feet of the Project are determined using BAAQMD raster files that incorporate annual average daily traffic (AADT) per EMFAC 2014 data for fleet mix and includes OEHHA's 2015 Guidance Methods. The raster files encompass highways, major streets, and rails with greater than 30,000 AADT. Table 4-19 summarizes the impacts from cumulative sources in comparison to the BAAQMD threshold of significance for cumulative risk and hazards.

[11] Per the BAAQMD CEQA Guidelines, the zone of influence for the cumulative threshold is 1,000 feet from the source or receptor.

Table 4-19: Impacts from Cumulative Sources

Source [a]	Maximum Cancer Risk (in 1 million)			Maximum Hazard Index			Maximum Annual $PM_{2.5}$ Contribution ($\mu g/m^3$) [b]		
	MEIW	MEIR	MEISR	MEIW	MEIR	MEISR	MEIW	MEIR	MEISR
Plant No. 14520, Kaiser Permanente	6.56			0.01			0.01		
Plant No. 15334, Target Store T1851	0.01			0			0		
Plant No. 15772, City of Gilroy	1.54			0			0		
Plant No. 18259, County of Santa Clara - VHC Gilroy	1.64			0			0		
Plant No. 19648, City of Gilroy	6.23			0			0.01		
Highway	12.07	5.90	34.43	-- [c]			0.197	0.095	0.576
Railways	0.97	0.81	1.38	-- [c]			0.001	0.001	0.002
Major Streets	0.08	0.04	0.07	-- [c]			0.002	0.001	0.002
Total Cumulative Sources	29.10	22.72	51.86	1.00E-02	1.00E-02	1.00E-02	0.22	0.12	0.60
Project Operation of Generators	1.49	3.00	1.53	1.82E-03	4.94E-04	2.32E-04	0.02476		
Total Cumulative Sources + Project Operation	*30.59*	*25.72*	*53.39*	*0.012*	*0.010*	*0.010*	*0.25*	*0.14*	*0.62*
Significance Threshold	*100*			*10*			*0.8*		
Significant Impact?	**No**			**No**			**No**		

a. Sources within 1,000 feet of the Facility are determined using BAAQMD's Permitted Stationary Sources Risk and Hazards tool (BAAQMD, 2022). As of 2020, BAAQMD has updated its procedures to only provide maximum values for each stationary source/facility. As such, only the maximum values are represented for each source/facility.

b. Maximum Annual $PM_{2.5}$ reflects the project impact determined for the annual $PM_{2.5}$ CAAQS. Annual $PM_{2.5}$ CAAQS is conservatively used to represent the MEIW, MEIR, MEISR.

c. Hazard index is not provided for highways, major streets and railways per the BAAQMD raster files.

The cumulative cancer risk, hazard index, and $PM_{2.5}$ concentration were estimated for the MEIR, MEIW, and MEISR. It is important to note that Table 4-19 specifies specific values for these MEI receptor locations where the data is available and otherwise substitutes the overall maximum receptor value as a conservative representation. As such, the annual $PM_{2.5}$ project impact for the MEIR, MEIW, and MEISR all conservatively reflect the maximum annual $PM_{2.5}$ impact from the Project. Based on the results of the comparison to cumulative thresholds for the proposed Project, the Project's health risk for maximally exposed individuals does not exceed the cumulative health risk thresholds when summed with the health risk of sources within 1,000 feet of the Project.

The cumulative health risk impacts are not individually evaluated for each sensitive receptor listed in Table 3-6 because these sensitive receptors are either greater than 1,000 feet from the Project or they are not chronically-impacted sensitive receptors. Per the BAAQMD 2022 CEQA Guidelines, cumulative impacts are evaluated for the aggregate total of sources within a 1,000 foot radius from the fenceline of a source plus the contribution from the Project. Only sensitive receptors 1, 2, and 3 are within 1,000 feet of the Project and these receptors are categorized as worker receptors due to the operating hours and nature of business for these facilities. As such, the sensitive receptors listed in Table 3-6 do not need to be further evaluated as part of the cumulative health risk assessment.

4.8 Impact Summary and Mitigation Recommendations

Table 4-20 summarizes the checklist questions from Appendix G of the California State CEQA Guidelines for air quality and GHG impacts and determinations resulting from the proposed Project analysis.

Table 4-20: Environmental Impact Significance Determinations

Air Quality				
Would the project:	**Potentially Significant Impact**	**Less than Significant with Mitigation Incorporated**	**Less than Significant Impact**	**No Impact**
a. Conflict with or obstruct implementation of the applicable air quality plan?		X		
b. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable Federal or State ambient air quality standard?		X		
c. Expose sensitive receptors to substantial pollutant concentrations?			X	
d. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?			X	
Greenhouse Gas Emissions				
a. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?		X		
b. Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?		X		

4.8.1 Types of Impacts

Direct Impacts. Direct impacts are the result of a project itself (from its operation) in the form of emissions generated at a project location. For example, exhaust emissions from vehicles and fugitive dust are direct impacts.

Indirect Impacts. Indirect impacts are those that may occur at locations other than a project location, or on a regional basis. For example, an increase in electricity usage could affect regional air quality.

Cumulative Impacts. Cumulative impacts are the combination of a project's direct and/or indirect impacts along with other existing, proposed, and reasonably foreseeable projects that may be related to the project. For example, the cumulative impact of all operational activity in an air basin may affect regional air quality.

Consistency with Plans and Programs. A project may be considered to have a significant impact if it conflicts with or delays implementation of any applicable air quality attainment or maintenance plan. A project is conforming if it complies with the applicable rules and regulations, complies with all proposed control measures that are not yet adopted from the applicable plan(s), and is consistent with the growth forecasts in the applicable plan(s) (or is directly included in the applicable plan).

4.8.2 Impact: Air Quality Criteria A and B

The following discuss the Project's air quality impact based on air quality significance Criteria A and B.

- Potential to conflict with or obstruct implementation of the applicable air quality plan (Criterion A) (Less than Significant, With Mitigation Incorporated).

As shown in Table 4-7, with the incorporation of Mitigation Measure AQ-3 to reduce offsite NOx concentration impacts from routine testing and maintenance operations, the emissions associated with the proposed Project would not exceed applicable significance thresholds and would result in less than significant operational impacts, with mitigation incorporated. In addition, the concentration of NO_x resulting from the proposed Project does not exceed the CAAQS or NAAQS with implementation of Mitigation Measure AQ-2 and Mitigation Measure AQ-3. The concentration of CO resulting from the proposed project is below the CAAQS 1-hr and 8-hr standards, thus demonstrating CO impacts will not exceed the BAAQMD CEQA Thresholds of Significance for local CO. As explained in Section 4.5.4, the ambient air quality dispersion model resulted in PM_{10} exceeding the CAAQS, however, this was due to background concentration data rather than pollutant concentrations resulting from the Project. Furthermore, although PM_{10} exceeded the CAAQS due to high background pollutant concentrations, Project emissions of PM_{10} were below applicable SILs. Therefore, the proposed Project would not conflict with or have any adverse impact on implementation of the 2017 Bay Area Clean Air Plan nor would the proposed Project disrupt or hinder implementation of any plan control measures with mitigation incorporated.

- Potential to result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or state ambient air quality standard (Criterion B) (Less than Significant, With Mitigation Incorporated)

Therefore, the proposed Project's operational emissions will be less than significant with mitigation incorporated (i.e., Mitigation Measure AQ-1, Mitigation Measure AQ-2 and Mitigation Measure AQ-3). Because the proposed Project does not conflict with any applicable air quality plans with mitigation incorporated, the proposed Project would also not contribute to cumulatively considerable air quality impacts.

4.8.3 Impact: Air Quality Criteria C and D

The following discuss the Project's air quality impact based on air quality significance Criteria C and D.

- Potential to expose sensitive receptors to substantial pollutant concentrations (Criterion C) (Less than Significant, No Mitigation Required).

The primary air toxic source associated with the proposed Project is DPM from the operation of the 27 proposed generators. Health risk to local receptors is analyzed using dispersion modeling as presented above in Sections 4.3 through 4.6. The results of the health risk assessment shown in Table 4-16 and Table 4-17 demonstrate the highest cancer, chronic, and acute risks as a result of this Project are below BAAQMD's thresholds of significance for Risks and Hazards. Additionally, cumulative health risk impacts were assessed for all sources within 1,000 feet of the Project boundary (per BAAQMD CEQA Air Quality Guidelines) and are below the BAAQMD CEQA threshold of significance for cumulative health risk impacts. Further, the Project would result in an ambient $PM_{2.5}$ increase of 0.025 $\mu g/m^3$ which is well below the significance threshold of 0.3 $\mu g/m^3$ and is therefore considered to be a less than significant impact. Additionally, as summarized in Table 4-20 above, cumulative impacts of $PM_{2.5}$ are also below the cumulative threshold of significance of 0.8 $\mu g/m^3$.

Therefore, no significant health risks are expected to occur from the operations of the proposed Project and no mitigation is required.

- Potential to result in other emissions (such as those leading to odors) adversely affecting a substantial number of people (Criterion D) (Less than Significant, No Mitigation Required).

The proposed Project would not involve the development of the types of land uses that would result in emissions that are typically associated with odor issues, such as wastewater (sewage) treatment plants, landfills, composting facilities, refineries, or chemical plants. Nor would the Project locate sensitive receptors within proximity of these types of odor-producing sources. Therefore, the proposed Project would not result in impacts associated with odor.

4.8.4 Impact: Greenhouse Gases Criteria A and B

The following discuss the Project's impact based on GHG significance Criteria A and B.

- Potential to generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment (Criterion A) (Less than Significant, With Mitigation Incorporated).

The proposed Project's operational emissions are presented in Table 4-7 and are compared to the BAAQMD threshold of significance applicable to the GHG emissions from stationary sources. GHG emissions associated with the proposed Project would be well below the 10,000 MT CO_2e per year significance threshold.

The proposed Project's land use elements do not meet all design element requirements of the BAAQMD climate-level land use thresholds of significance, specifically those related to employee VMTs. Mitigation Measure GHG-1 will be implemented to ensure indirect GHG emissions from the Project's electricity usage is reduced to ensure consistency with applicable GHG emission plans and policies. Mitigation Measure GHG-2 will be implemented to ensure the Project's GHG contributions from employee VMTs are reduced by a minimum of 58.81 MT of CO_2e per year to the City's satisfaction, prior to the issuance of a Certificate of Occupancy for the Project. Through the implementation of Mitigation Measures GHG-1 and GHG-2 described above, the Project's GHG impacts would be reduced to less than significant levels. Therefore, through the implementation of Mitigation Measures GHG-1 and GHG-2, the proposed Project is not considered to have the potential to generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment, with mitigation incorporated.

- Potential to conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs. (Criterion B) (Less than Significant, With Mitigation Incorporated).

As discussed above, through the implementation of Mitigation Measures GHG-1 and GHG-2, the proposed Project's GHG emissions will be less than significant with mitigation incorporated. Because the proposed Project does not conflict with any applicable plan, policy, or regulation adopted with mitigation incorporated, the proposed Project would also not contribute to cumulatively considerable GHG impacts, with mitigation incorporated.

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APPENDIX A-1: EQUIPMENT SPECIFICATIONS

Cat® 3516C
Diesel Generator Sets



Image shown may not reflect actual configuration

	170 (6.69)
	215 (8.46)
	78 (4764.73)
	14.7:1
	TA
	EUI
	ADEM™ A3

Standby 60 Hz ekW (kVA)	Mission Critical 60 Hz ekW (kVA)	Prime 60 Hz ekW (kVA)	Continuous 60 Hz ekW (kVA)	Emissions Performance
2500 (3125)	2500 (3125)	2250 (2812)	2050 (2562)	U.S. EPA Stationary Emergency Use Only (Tier 2)

Standard Features

Cat® Diesel Engine
- Meets U.S. EPA Stationary Emergency Use Only (Tier 2) emission standards
- Reliable performance proven in thousands of applications worldwide

Generator Set Package
- Accepts 100% block load in one step and meets other NFPA 110 loading requirements
- Conforms to ISO 8528-5 G3 load acceptance requirements
- Reliability verified through torsional vibration, fuel consumption, oil consumption, transient performance, and endurance testing

Alternators
- Superior motor starting capability minimizes need for oversizing generator
- Designed to match performance and output characteristics of Cat diesel engines

Cooling System
- Cooling systems available to operate in ambient temperatures up to 50°C 122°F)
- Tested to ensure proper generator set cooling

EMCP 4 Control Panels
- User-friendly interface and navigation
- Scalable system to meet a wide range of installation requirements
- Expansion modules and site specific programming for specific customer requirements

Warranty
- 24 months/1000-hour warranty for standby and mission critical ratings
- 12 months/unlimited hour warranty for prime and continuous ratings
- Extended service protection is available to provide extended coverage options

Worldwide Product Support
- Cat dealers have over 1,800 dealer branch stores operating in 200 countries
- Your local Cat dealer provides extensive post-sale support, including maintenance and repair agreements

Financing
- Caterpillar offers an array of financial products to help you succeed through financial service excellence
- Options include loans, finance lease, operating lease, working capital, and revolving line of credit
- Contact your local Cat dealer for availability in your region

Optional Equipment

Engine

Air Cleaner
- ❑ Single element
- ❑ Dual element

Muffler
- ❑ Industrial grade (15 dB)

Starting
- ❑ Standard batteries
- ❑ Oversized batteries
- ❑ Standard electric starter(s)
- ❑ Heavy duty electric starter(s)
- ❑ Air starter(s)
- ❑ Jacket water heater

Alternator

Output voltage
- ❑ 380V ❑ 6300V
- ❑ 440V ❑ 6600V
- ❑ 480V ❑ 6900V
- ❑ 600V ❑ 12470V
- ❑ 2400V ❑ 13200V
- ❑ 4160V ❑ 13800V

Temperature Rise (over 40°C ambient)
- ❑ 150°C
- ❑ 125°C/130°C
- ❑ 105°C
- ❑ 80°C

Winding type
- ❑ Random wound
- ❑ Form wound

Excitation
- ❑ Internal excitation (IE)
- ❑ Permanent magnet (PM)

Attachments
- ❑ Anti-condensation heater
- ❑ Stator and bearing temperature monitoring and protection

Power Termination

Type
- ❑ Bus bar
- ❑ Circuit breaker
- ❑ 1600A ❑ 2000A
- ❑ 2500A ❑ 3000A
- ❑ 3200A ❑ 4000A
- ❑ 5000A
- ❑ IEC ❑ UL
- ❑ 3-pole ❑ 4-pole
- ❑ Manually operated
- ❑ Electrically operated

Trip Unit
- ❑ LSI ❑ LSI-G
- ❑ LSIG-P

Control System

Controller
- ❑ EMCP 4.2B
- ❑ EMCP 4.3
- ❑ EMCP 4.4

Attachments
- ❑ Local annunciator module
- ❑ Remote annunciator module
- ❑ Expansion I/O module
- ❑ Remote monitoring software

Charging
- ❑ Battery charger – 10A
- ❑ Battery charger – 20A
- ❑ Battery charger – 35A

Vibration Isolators
- ❑ Rubber
- ❑ Spring
- ❑ Seismic rated

Cat Connect

Connectivity
- ❑ Ethernet
- ❑ Cellular
- ❑ Satellite

Extended Service Options

Terms
- ❑ 2 year (prime)
- ❑ 3 year
- ❑ 5 year
- ❑ 10 year

Coverage
- ❑ Silver
- ❑ Gold
- ❑ Platinum
- ❑ Platinum Plus

Ancillary Equipment
- ❑ Automatic transfer switch (ATS)
- ❑ Uninterruptible power supply (UPS)
- ❑ Paralleling switchgear
- ❑ Paralleling controls

Certifications
- ❑ UL2200
- ❑ CSA
- ❑ IBC seismic certification
- ❑ OSHPD pre-approval

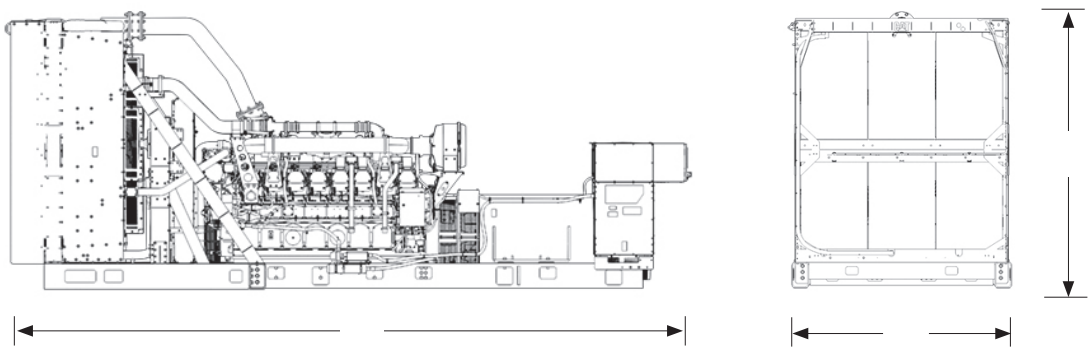
Note: *Some options may not be available on all models. Certifications may not be available with all model configurations. Consult factory for availability.*

Package Performance

Performance	Standby		Mission Critical		Prime		Continuous	
Frequency	60 Hz		60 Hz		60 Hz		60 Hz	
Gen set power rating with fan	2500 ekW		2500 ekW		2250 ekW		2050 ekW	
Gen set power rating with fan @ 0.8 power factor	3125 kVA		3125 kVA		2812 kVA		2562 kVA	
Emissions	EPA ESE (TIER 2)		EPA ESE (TIER 2)		EPA ESE (TIER 2)		EPA ESE (TIER 2)	
Performance number	EM1894-01		EM1895-02		DM8447-04		DM8268-03	
Fuel Consumption								
100% load with fan – L/hr (gal/hr)	656.8	(175.3)	656.8	(175.3)	593.0	(156.6)	549.3	(145.1)
75% load with fan – L/hr (gal/hr)	510.8	(134.9)	510.8	(134.9)	467.8	(123.6)	435.6	(115.1)
50% load with fan – L/hr (gal/hr)	372.4	(98.4)	372.4	(98.4)	341.9	(90.3)	316.8	(83.7)
25% load with fan – L/hr (gal/hr)	219.3	(57.9)	219.3	(57.9)	203.0	(53.6)	188.9	(49.9)
Cooling System								
Radiator air flow restriction (system) – kPa (in. water)	0.12	(0.48)	0.12	(0.48)	0.12	(0.48)	0.12	(0.48)
Radiator air flow – m^3/min (cfm)	2800.0	(98881)	2800.0	(98881)	2800.0	(98881)	2800.0	(98881)
Engine coolant capacity – L (gal)	233.0	(61.6)	233.0	(61.6)	233.0	(61.6)	233.0	(61.6)
Radiator coolant capacity – L (gal)	268.8	(71.0)	268.8	(71.0)	268.8	(71.0)	268.8	(71.0)
Total coolant capacity – L (gal)	501.8	(132.6)	501.8	(132.6)	501.8	(132.6)	501.8	(132.6)
Inlet Air								
Combustion air inlet flow rate – m^3/min (cfm)	242.2	(7212.2)	242.2	(7212.2)	193.1	(6819.8)	183.8	(6491.7)
Exhaust System								
Exhaust stack gas temperature – °C °F)	490.7	(915.2)	490.7	(915.2)	471.3	(880.4)	463.6	(866.5)
Exhaust gas flow rate – m^3/min (cfm)	554.5	(19578.8)	554.5	(19578.8)	507.9	(17935.1)	476.5	(16826.7)
Exhaust system backpressure (maximum allowable) – kPa in. water)	6.7	(27.0)	6.7	(27.0)	6.7	(27.0)	6.7	(27.0)
Heat Rejection								
Heat rejection to jacket water – kW Btu/min)	826	(46992)	826	(46992)	777	(44160)	739	(42021)
Heat rejection to exhaust (total) – kW Btu/min)	2502	(142265)	2502	(142265)	2243	(127532)	2092	(118949)
Heat rejection to aftercooler – kW Btu/min)	786	(44723)	786	(44723)	690	(39224)	619	(35176)
Heat rejection to atmosphere from engine – kW Btu/min)	161	(9146)	161	(9146)	150	(8542)	145	(8229)
Heat rejection from alternator – kW Btu/min)	121	(6853)	121	(6853)	99	(5607)	94	(5368)
Emissions (Nominal)								
NOx mg/Nm^3 (g/hp-h)	2349.1	(5.32)	2349.1	(5.32)	2206.7	(4.95)	2038.1	(4.62)
CO mg/Nm^3 (g/hp-h)	195.4	(0.42)	195.4	(0.42)	141.2	(0.30)	124.8	(0.27)
HC mg/Nm^3 (g/hp-h)	42.1	(0.10)	42.1	(0.10)	44.4	(0.11)	49.2	(0.12)
PM mg/Nm^3 (g/hp-h)	14.1	(0.04)	14.1	(0.04)	10.9	(0.03)	11.0	(0.03)
Emissions (Potential Site Variation)								
NOx mg/Nm^3 (g/hp-h)	2818.9	(6.38)	2818.9	(6.38)	2648.0	(5.94)	2445.8	(5.55)
CO mg/Nm^3 (g/hp-h)	351.8	(0.76)	351.8	(0.76)	254.2	(0.55)	224.6	(0.49)
HC mg/Nm^3 (g/hp-h)	55.9	(0.14)	55.9	(0.14)	59.1	(0.15)	65.5	(0.16)
PM mg/Nm^3 (g/hp-h)	19.7	(0.05)	19.7	(0.05)	15.2	(0.04)	15.3	(0.04)

3516C Diesel Generator Sets
Electric Power

Weights and Dimensions



Dim "A" mm (in)	Dim "B" mm (in)	Dim "C" mm (in)	Dry Weight kg (lb)
7495 (295.1)	2569 (101.2)	3009 (118.5)	17 590 38,780)

Note: *For reference only. Do not use for installation design. Contact your local Cat dealer for precise weights and dimensions.*

Ratings Definitions

Standby
Output available with varying load for the duration of the interruption of the normal source power. Average power output is 70% of the standby power rating. Typical operation is 200 hours per year, with maximum expected usage of 500 hours per year.

Mission Critical
Output available with varying load for the duration of the interruption of the normal source power. Average power output is 85% of the mission critical power rating. Typical peak demand up to 100% of rated power for up to 5% of the operating time. Typical operation is 200 hours per year, with maximum expected usage of 500 hours per year.

Prime
Output available with varying load for an unlimited time. Average power output is 70% of the prime power rating. Typical peak demand is 100% of prime rated ekW with 10% overload capability for emergency use for a maximum of 1 hour in 12. Overload operation cannot exceed 25 hours per year.

Continuous
Output available with non-varying load for an unlimited time. Average power output is 70-100% of the continuous power rating. Typical peak demand is 100% of continuous rated kW for 100% of the operating hours.

Applicable Codes and Standards
AS1359, CSA C22.2 No100-04, UL142, UL489, UL869, UL2200, NFPA37, NFPA70, NFPA99, NFPA110, IBC, IEC60034-1, ISO3046, ISO8528, NEMA MG1-22, NEMA MG1-33, 2014/35/EU, 2006/42/EC, 2014/30/EU.

Note: Codes may not be available in all model configurations. Please consult your local Cat dealer for availability.

Data Center Applications
Tier III/Tier IV compliant per Uptime Institute requirements. ANSI/TIA-942 compliant for Rated-1 through Rated-4 data centers.

Fuel Rates
Fuel rates are based on fuel oil of 35º API [16°C (60ºF)] gravity having an LHV of 42,780 kJ/kg 18,390 Btu/lb) when used at 29ºC (85ºF) and weighing 838.9 g/liter (7.001 lbs/U.S. gal.)

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Materials and specifications are subject to change without notice.
The International System of Units (SI) is used in this publication.

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3516 PGFL
LEHE1377-00 (8-17)

PERFORMANCE DATA[EM1895]

June 16, 2021

Performance Number: EM1895 **Change Level: 06**

SALES MODEL:	3516C	**COMBUSTION:**	CT NJECTION
BRAND:	CAT	**ENGINE SPEED (RPM):**	1,800
ENGINE POWER (BHP):	3,634	**HERTZ:**	60
GEN POWER WITH FAN (EKW):	2,500.0	**FAN POWER (HP):**	130.1
COMPRESSION RATIO:	14.7	**ASPIRATION:**	A
RATING LEVEL:	MISSION CRITICAL STANDBY	**AFTERCOOLER TYPE:**	ATAAC
PUMP QUANTITY:	1	**AFTERCOOLER CIRCUIT TYPE:**	JW+OC, ATAAC
FUEL TYPE:	SEL	**INLET M NIFOLD AIR TEMP (F):**	122
MANIFOLD TYPE:	Y	**JACKET WATER TEMP (F):**	219.2
GOVERNOR TYPE:	ADEM3	**TURBO CONFIGURATION:**	PARALLEL
ELECTRONICS TYPE:	ADEM3	**TURBO QUANTITY:**	4
CAMSHAFT TYPE:	STANDARD	**TURBOCHARGER MODEL:**	GT6041BN-48T-1.10
IGNITION TYPE:	CI	**CERTIFICATION YEAR:**	2006
INJECTOR TYPE:	UI	**CRANKCASE BLOWBY RATE (FT3/HR):**	3,619.4
FUEL INJECTOR:	3920221	**FUEL RATE (RATED RPM) NO LOAD (GAL/HR):**	16.0
UNIT INJECTOR TIMING (IN):	64.34	**PISTON SPD @ RATED ENG SPD (FT/MIN):**	2,539.4
REF EXH STACK DIAMETER (IN):	12		
MAX OPERATING LTITUDE (FT):	2,953		

INDUSTRY	SUBINDUSTRY	APPLICATION
ELECTRIC POWER	STANDARD	PACKAGED GENSET
OIL AND GAS	LAND PRODUCTION	PACKAGED GENSET

General Performance Data

THIS STANDBY ATING S FOR A STANDBY ONLY NGINE A ANGEMENT. ATING HE NGINE O A PRIME O CONTINUOUS ATING S NOT PERMITTED.

HE NLET MANIFOLD A TEMP LISTED N HE HEADER, AND N HE GENERAL PERFORMANCE ATA, S HE AVERAGE NLET MANIFOLD MP F ONT O AR ON HE NGINE.

GENSET POWER WITH FAN	PERCENT LOAD	ENGINE POWER	BRAKE MEAN EFF PRES (BMEP)	BRAKE SPEC FUEL CONSUMPTN (BSFC)	ISO BRAKE SPEC FUEL CONSUMPTN (BSFC)	VOL FUEL CONSUMPTN (VFC)	ISO VOL FUEL CONSUMPTN (VFC)	ELEC SPEC FUEL CONSUMPTN (ESFC)	ISO ELEC SPEC FUEL CONSUMPTN (ESFC)
KW	%	BHP	PSI	LB/BHP-HR	LB/BHP-HR	GAL/HR	GAL/HR	LB/EKW-HR	LB/EKW-HR
2,500.0	100	3,633	336	0.334	0.328	171.3	168.0	0.486	0.477
2,250.0	90	3,283	303	0.335	0.329	155.1	152.1	0.489	0.480
2,000.0	80	2,935	271	0.339	0.333	140.4	137.7	0.498	0.489
1,875.0	75	2,760	255	0.342	0.336	133.2	130.7	0.504	0.494
1,750.0	70	2,586	239	0.346	0.339	126.0	123.6	0.511	0.501
1,500.0	60	2,237	207	0.354	0.347	111.5	109.4	0.527	0.517
1,250.0	50	1,889	174	0.365	0.358	97.1	95.2	0.551	0.540
1,000.0	40	1,547	143	0.373	0.366	81.4	79.8	0.577	0.566
750.0	30	1,203	111	0.385	0.378	65.3	64.1	0.618	0.606
625.0	25	1,029	5	0.394	0.386	57.2	56.1	0.649	0.637
500.0	20	854	79	0.403	0.396	48.6	47.6	0.689	0.676
250.0	10	497	46	0.441	0.433	30.9	30.3	0.877	0.860

GENSET POWER WITH FAN	PERCENT LOAD	ENGINE POWER	INLET MFLD PRES	INLET MFLD TEMP	EXH MFLD TEMP	EXH MFLD PRES	ENGINE OUTLET TEMP	COMPRESSOR OUTLET PRES	COMPRESSOR OUTLET TEMP
KW	%	BHP	N-HG	G F	G F	N-HG	G F	N-HG	G F
2,500.0	100	3,633	78.1	121.9	1,235.7	67.6	853.1	85	466.7
2,250.0	90	3,283	71.3	119.4	1,190.0	61.3	824.5	78	443.1
2,000.0	80	2,935	64.3	116.9	1,158.9	55.3	810.7	70	417.8
1,875.0	75	2,760	60.7	115.8	1,145.6	52.3	804.8	66	404.7
1,750.0	70	2,586	57.1	114.7	1,133.3	49.3	798.9	63	391.3
1,500.0	60	2,237	49.5	112.7	1,112.4	43.2	787.1	55	363.6
1,250.0	50	1,889	41.3	111.0	1,091.8	36.8	775.1	46	334.7
1,000.0	40	1,547	31.4	109.4	1,061.5	29.3	770.6	36	297.5
750.0	30	1,203	21.7	107.9	1,010.3	22.1	752.8	25	249.8
625.0	25	1,029	17.2	107.2	968.3	18.7	731.8	21	223.4
500.0	20	854	12.7	106.4	902.0	15.5	695.6	16	197.2
250.0	10	497	4.8	104.1	700.7	9.8	562.6	7	152.3

General Performance Data (Continued)

PERFORMANCE DATA[EM1895]

June 16, 2021

GENSET POWER WITH FAN	PERCENT LOAD	ENGINE POWER	WET I LET AIR VOL FLOW RATE	ENGINE OUTLET WET EXH GAS VOL FLOW RATE	WET I LET AIR MASS FLOW RATE	WET EXH GAS MASS FLOW RATE	WET EXH VOL FLOW RATE (32 DEG F ND 29.98 IN HG)	DRY EXH VOL FLOW RATE (32 DEG F ND 29.98 I HG)
KW	%	BHP	CFM	CFM	LB/HR	LB/HR	FT3/MIN	FT3/MIN
2,500.0	100	3,633	7,133.1	18,497.4	31,696.1	32,910.2	6,927.7	6,289.9
2,250.0	90	3,283	6,756.8	17,036.6	29,886.4	30,985.9	6,522.8	5,944.9
2,000.0	80	2,935	6,350.9	15,740.8	28,028.8	29,019.5	6,092.1	5,568.4
1,875.0	75	2,760	6,132.5	15,125.9	27,059.2	27,9 8.2	5,881.4	5,382.5
1,750.0	70	2,586	5,902.5	14,507.6	26,056.9	26,945.9	5,667.5	5,192.6
1,500.0	60	2,237	5,408.9	13,196.0	23,934.4	24,726.5	5,204.1	4,777.6
1,250.0	50	1,889	4,844.0	11,701.1	21,447.3	22,136.3	4,659.1	4,284.7
1,000.0	40	1,547	4,122.0	9,918.3	18,264.4	18,842.5	3,963.7	3,647.8
750.0	30	1,203	3,423.6	8,121.4	15,177.8	15,642.9	3,293.2	3,036.5
625.0	25	1,029	3,105.0	7,237.8	13,766.9	14,173.7	2,986.8	2,759.5
500.0	20	854	2,791.1	6,276.7	12,375.6	12,721.7	2,671.3	2,475.8
250.0	10	497	2,236.2	4,428.4	9,910.4	10,129.4	2,129.9	1,9 7.8

Heat Rejection Data

GENSET POWER WITH FAN	PERCENT LOAD	ENGINE POWER	REJECTION TO JACKET WATER	REJECTION TO TMOSPHERE	REJECTION TO EXH	EXHAUST RECOVERY TO 350F	FROM OIL COOLER	FROM FTERCOOLER	WORK ENERGY	LOW HEAT VALUE ENERGY	HIGH HEAT VALUE ENERGY
KW	%	BHP	BTU/MIN	BTU/MIN	BTU/MIN	BTU/MIN	BTU/MIN	BTU/MIN	BTU/MIN	BTU/MIN	BTU/MIN
2,500.0	100	3,633	46,9 2	9,146	142,265	70,115	19,835	44,723	154,077	372,403	396,702
2,250.0	90	3,283	44,242	8,557	127,929	62,041	17,960	39,380	139,243	337,204	359,207
2,000.0	80	2,935	41,477	8,162	116,879	56,282	16,262	34,167	124,444	305,311	325,233
1,875.0	75	2,760	40,076	8,007	111,588	53,551	15,425	31,612	117,053	289,608	308,505
1,750.0	70	2,586	38,657	7,874	106,293	50,817	14,588	29,085	109,651	273,881	291,752
1,500.0	60	2,237	35,755	7,684	95,729	45,311	12,915	24,201	94,874	242,485	258,307
1,250.0	50	1,889	32,626	7,527	85,184	39,388	11,245	19,401	80,109	211,118	224,893
1,000.0	40	1,547	29,235	7,262	72,693	33,148	9,427	13,873	65,583	176,9 5	188,544
750.0	30	1,203	25,476	6,784	59,425	26,293	7,565	8,706	51,005	142,037	151,305
625.0	25	1,029	23,394	6,435	52,542	22,520	6,621	6,496	43,653	124,317	132,429
500.0	20	854	21,006	5,9 5	44,739	18,221	5,624	4,534	36,223	105,594	112,484
250.0	10	497	15,737	5,026	27,795	8,787	3,578	1,916	21,071	67,181	71,564

Sound Data

SOUND PRESSURE DATA FOR HIS RATING CAN BE FOUND IN PERFORMANCE NUMBER - M8779.

Emissions Data

DIESEL

RATED SPEED NOMINAL DATA: 1800 RPM

GENSET POWER WITH FAN		EKW	2,500.0	1,875.0	1,250.0	625.0	250.0
PERCENT LOAD		%	100	75	50	25	10
ENGINE POWER		BHP	3,633	2,760	1,889	1,029	497
TOTAL NOX (AS NO2)		G/HR	19,123	11,751	5,837	2,974	2,654
TOTAL CO		G/HR	1,515	725	607	831	1,165
TOTAL HC		G/HR	376	375	408	307	329
TOTAL CO2		KG/HR	1,740	1,340	966	559	296
PART MATTER		G/HR	132.5	88.4	94.3	9.6	100.7
TOTAL NOX (AS NO2)	(CO R 5% O2)	MG/NM3	2,349.1	1,857.9	1,286.9	1,127.3	1,858.5
TOTAL CO	(CO R 5% O2)	MG/NM3	195.4	118.8	140.1	330.3	862.6
TOTAL HC	(CO R 5% O2)	MG/NM3	42.1	54.8	81.8	105.8	212.3
PART MATTER	(CO R 5% O2)	MG/NM3	14.1	11.8	18.4	34.7	63.0
TOTAL NOX (AS NO2)	(CO R 5% O2)	PPM	1,144	905	627	549	05
TOTAL CO	(CO R 5% O2)	PPM	156	95	112	264	690

PERFORMANCE DATA[EM1895]

June 16, 2021

TOTAL HC	(CO R 5% O2)	PPM	79	102	153	197	396
TOTAL NOX (AS NO2)		G/HP-HR	5.32	4.30	3.12	2.92	5.39
TOTAL CO		G/HP-HR	0.42	0.26	0.32	0.82	2.37
TOTAL HC		G/HP-HR	0.10	0.14	0.22	0.30	0.67
PART MATTER		G/HP-HR	0.04	0.03	0.05	0.10	0.20
TOTAL NOX (AS NO2)		LB/HR	42.16	25.91	12.87	6.56	5.85
TOTAL CO		LB/HR	3.34	1.60	1.34	1.83	2.57
TOTAL HC		LB/HR	0.83	0.83	0.90	0.68	0.72
TOTAL CO2		LB/HR	3,836	2,955	2,130	1,233	654
PART MATTER		LB/HR	0.29	0.19	0.21	0.22	0.22
OXYGEN N XH		%	9.4	10.4	11.3	12.2	14.4
DRY SMOKE OPACITY		%	1.7	1.4	1.9	2.6	4.0
BOSCH SMOKE NUMBER			0.83	0.80	0.85	0.97	1.13

RATED SPEED POTENTIAL SITE VARIATION: 1800 RPM

GENSET POWER WITH FAN		**EKW**	**2,500.0**	**1,875.0**	**1,250.0**	**625.0**	**250.0**
PERCENT LOAD		**%**	**100**	**75**	**50**	**25**	**10**
ENGINE POWER		**BHP**	**3,633**	**2,760**	**1,889**	**1,029**	**497**
TOTAL NOX (AS NO2)		G/HR	22,948	14,101	7,004	3,568	3,185
TOTAL CO		G/HR	2,726	1,304	1,092	1,496	2,098
TOTAL HC		G/HR	500	49	543	408	437
PART MATTER		G/HR	185.5	123.7	132.1	139.5	141.0
TOTAL NOX (AS NO2)	(CO R 5% O2)	MG/NM3	2,818.9	2,229.5	1,544.3	1,352.7	2,230.2
TOTAL CO	(CO R 5% O2)	MG/NM3	351.8	213.9	252.3	594.6	1,552.7
TOTAL HC	(CO R 5% O2)	MG/NM3	55.9	72.8	108.8	140.7	282.4
PART MATTER	(CO R 5% O2)	MG/NM3	19.7	16.5	25.8	48.5	88.2
TOTAL NOX (AS NO2)	(CO R 5% O2)	PPM	1,373	1,086	752	659	1,086
TOTAL CO	(CO R 5% O2)	PPM	281	171	202	476	1,242
TOTAL HC	(CO R 5% O2)	PPM	104	136	203	263	527
TOTAL NOX (AS NO2)		G/HP-HR	6.38	5.15	3.74	3.50	6.47
TOTAL CO		G/HP-HR	0.76	0.48	0.58	1.47	4.26
TOTAL HC		G/HP-HR	0.14	0.18	0.29	0.40	0.89
PART MATTER		G/HP-HR	0.05	0.05	0.07	0.14	0.29
TOTAL NOX (AS NO2)		LB/HR	50.59	31.09	15.44	7.87	7.02
TOTAL CO		LB/HR	6.01	2.88	2.41	3.30	4.62
TOTAL HC		LB/HR	1.10	1.10	1.20	0.90	0.96
PART MATTER		LB/HR	0.41	0.27	0.29	0.31	0.31

Regulatory Information

EPA EMERGENCY STATIONARY			**2011 - ----**	
GASEOUS MISSIONS ATA MEASUREMENTS P OVIDED O HE EPA ARE CONSISTENT W H HOSE SCRIBED N EPA 40 CFR PART 60 SUBPART AND SO 8178 FOR MEASURING HC, CO, PM, AND NOX. HE "MAX LIMITS" SHOWN BELOW ARE W GHTED CYCLE AVERAGES AN A IN COMPLIANCE WITH HE MERGENCY STATIONARY GULATIONS.				
Locality	**gency**	**Regulation**	**Tier/Stage**	**Max Limits - G/BKW - HR**
U.S. (INCL CALIF)	EPA	STATIONARY	EMERGENCY STATIONARY	CO: 3.5 NOx + HC: 6.4 PM: 0.20

Altitude Derate Data

STANDARD

ALTITUDE CORRECTED POWER CAPABILITY (BHP)

MBIENT OPERATING TEMP (F)	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**100**	**110**	**120**	**ORMAL**
ALTITUDE (FT)											
0	3,634	3,634	3,634	3,634	3,634	3,634	3,634	3,634	3,634	3,634	3,634
1,000	3,634	3,634	3,634	3,634	3,634	3,634	3,634	3,634	3,634	3,561	3,634
2,000	3,634	3,634	3,634	3,634	3,634	3,634	3,634	3,604	3,541	3,480	3,634
3,000	3,628	3,628	3,628	3,628	3,628	3,603	3,537	3,474	3,413	3,354	3,628

4,000	3,504	3,504	3,504	3,504	3,504	3,471	3,408	3,347	3,289	3,232	3,504
5,000	3,384	3,384	3,384	3,384	3,384	3,344	3,283	3,225	3,168	3,113	3,384
6,000	3,269	3,269	3,269	3,269	3,269	3,221	3,162	3,105	3,051	2,9 8	3,269
7,000	3,159	3,159	3,159	3,159	3,159	3,101	3,044	2,9 0	2,937	2,887	3,159
8,000	3,052	3,052	3,052	3,052	3,041	2,985	2,930	2,878	2,827	2,779	3,052
,000	2,950	2,950	2,950	2,950	2,926	2,872	2,820	2,769	2,721	2,674	2,950
10,000	2,851	2,851	2,851	2,851	2,815	2,763	2,713	2,664	2,617	2,544	2,851

Cross Reference

Test Spec	Setting	Engine Arrangement	Engineering Model	Engineering Model Version	Start Effective Serial umber	End Effective Serial umber
4577176	LL1858	5084280	GS336	-	SBK02000	
4581567	LL6760	5157721	PG243	-	LYM00001	

Supplementary Data

Type	Classification	Performance umber
SOUND	SOUND PRESSURE	M8779

Performance Parameter Reference

Parameters Reference:DM9600-12

PERFORMANCE DEFINITIONS

PERFORMANCE FINITIONS M9600
APPLICATION:
Engine performance tolerance values below are representative of a typical production engine tested in a calibrated dynamometer test cell at SAE J19 5 standard reference conditions. Caterpillar maintains ISO9001:2000 certified quality management systems for engine test Facilities to assure accurate calibration of test equipment. ngine test data is corrected in accordance with SAE J19 5. Additional reference material SAE J1228, J1349, ISO 8665, 3046-1:2002E, 3046-3:1989, 1585, 2534, 2288, and 9249 may apply in part or are similar to SAE J19 5. Special engine rating request (SERR) test data shall be noted.
PERFORMANCE PARAMETER OLERANCE FACTORS:
Power +/- 3%
Torque +/- 3%
Exhaust stack temperature +/- 8%
Inlet airflow +/- 5%
Intake manifold pressure-gage +/- 10%
Exhaust flow +/- 6%
Specific fuel consumption +/- 3%
Fuel rate +/- 5%
Specific F consumption +/- 3%
F rate +/- 5%
Heat rejection +/- 5%
Heat rejection exhaust only +/- 10%
Heat rejection CEM only +/- 10%
Heat Rejection values based on using treated water.
Torque is included for truck and industrial applications, do not use for Gen Set or steady state applications.
On C7 - C18 engines, at speeds of 1100 PM and under these values are provided for reference only, and may not meet the tolerance listed.
These values do not apply to C280/3600. For these models, see the tolerances listed below.
C280/3600 HEAT JECTION OLERANCE FACTORS:
Heat rejection +/- 10%
Heat rejection to Atmosphere +/- 50%
Heat rejection to Lube Oil +/- 20%
Heat rejection to Aftercooler +/- 5%
ST CELL ANSDUCER OLERANCE FACTORS:
Torque +/- 0.5%
Speed +/- 0.2%
Fuel flow +/- 1.0%
Temperature +/- 2.0 C degrees
Intake manifold pressure +/- 0.1 kPa
OBSERVED NGINE PERFORMANCE IS CORRECTED TO SAE J19 5 FERENCE

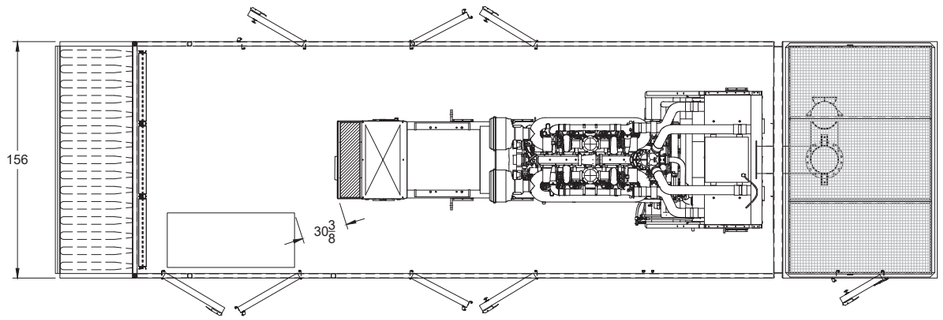
PERFORMANCE DATA[EM1895]

AIR AND FUEL CONDITIONS.
FERENCE ATMOSPHERIC NLET A
FOR 3500 ENGINES AND SMALLER
SAE J1228 AUG2002 for marine engines, and J1995 JAN2014 for other engines, reference atmospheric pressure is 100 KPA (29.61 in hg), and standard temperature is 25deg C (77 deg F) at 30% relative humidity at the stated aftercooler water temp, or inlet manifold temp.
FOR 3600 NGINES
Engine rating obtained and presented in accordance with SO 3046/1 and SAE J19 5 JANJAN2014 reference atmospheric pressure is 100 KPA (29.61 in hg), and standard temperature is 25deg C (77 deg F) at 30% relative humidity and 150M altitude at the stated aftercooler water temperature.
MEASUREMENT LOCATION FOR NLET A MPERATURE
Location for air temperature measurement air cleaner inlet at stabilized operating conditions.
FERENCE XHAUST STACK AMETER
he eference xhaust Stack Diameter published with this dataset is only used for the calculation of Smoke Opacity values displayed in this dataset. This value does not necessarily represent the actual stack diameter of the engine due to the variety of exhaust stack adapter options available. Consult the price list, engine order or general dimension drawings for the actual stack diameter size ordered or options available.
FERENCE FUEL
SEL
Reference fuel is #2 distillate diesel with a 35API gravity;
A lower heating value is 42,780 KJ/KG (18,390 BTU/LB) when used at 15 deg C (59 deg F), where the density is
850 G/Liter (7.0936 Lbs/Gal).
GAS
Reference natural gas fuel has a lower heating value of 33.74 KJ/L (905 BTU/CU Ft). Low BTU ratings are based on 18.64 KJ/L (500 BTU/CU FT) lower heating value gas. Propane ratings are based on 87.56 KJ/L (2350 BTU/CU Ft) lower heating value gas.
NGINE POWER (NET) S HE CORRECTED FLYWHEEL POWER (GROSS) LESS EXTERNAL AUXILIARY LOAD
Engine corrected gross output includes the power required to drive standard equipment; lube oil, scavenge lube oil, fuel transfer, common rail fuel, separate circuit aftercooler and jacket water pumps. Engine net power available for the external (flywheel) load is calculated by subtracting the sum of auxiliary load from the corrected gross flywheel out put power. ypical auxiliary loads are radiator cooling fans, hydraulic pumps, air compressors and battery charging alternators. For ier 4 ratings additional Parasitic losses would also include Intake, and xhaust estrictions.
ALTITUDE CAPABILITY
Altitude capability is the maximum altitude above sea level at standard temperature and standard pressure at which the engine could develop full rated output power on the current performance data set.
Standard temperature values versus altitude could be seen on TM2001.
When viewing the altitude capability chart the ambient temperature is the inlet air temp at the compressor inlet.
Engines with ADEM M UI and HEUI fuel systems operating at conditions above the defined altitude capability derate for atmospheric pressure and temperature conditions outside the values defined, see M2001.
Mechanical governor controlled unit injector engines require a setting change for operation at conditions above the altitude defined on the engine performance sheet. See your Caterpillar technical representative for non standard ratings.
REGULATIONS AND PRODUCT COMPLIANCE
MI missions information is presented at 'nominal' and 'Potential Site Variation' values for standard ratings. No tolerances are applied to the emissions data. These values are subject to change at any time. The controlling federal and local emission requirements need to be verified by your Caterpillar technical representative.
Customer's may have special emission site requirements that need to be verified by the Caterpillar Product Group engineer.
EMISSION CYCLE LIMITS:
Cycle emissions Max Limits apply to cycle-weighted averages only. Emissions at individual load points may exceed the cycle-weighted limit.
MISSIONS FINITIONS:
Emissions : M1176
EMISSION CYCLE FINITIONS
1. For constant-speed marine engines for ship main propulsion, including,diesel-electric drive, test cycle 2 shall be applied, for controllable-pitch propeller sets
test cycle 2 shall be applied.
2. For propeller-law-operated main and propeller-law-operated auxiliary engines the test cycle 3 shall be applied.
3. For constant-speed auxiliary engines test cycle 2 shall be

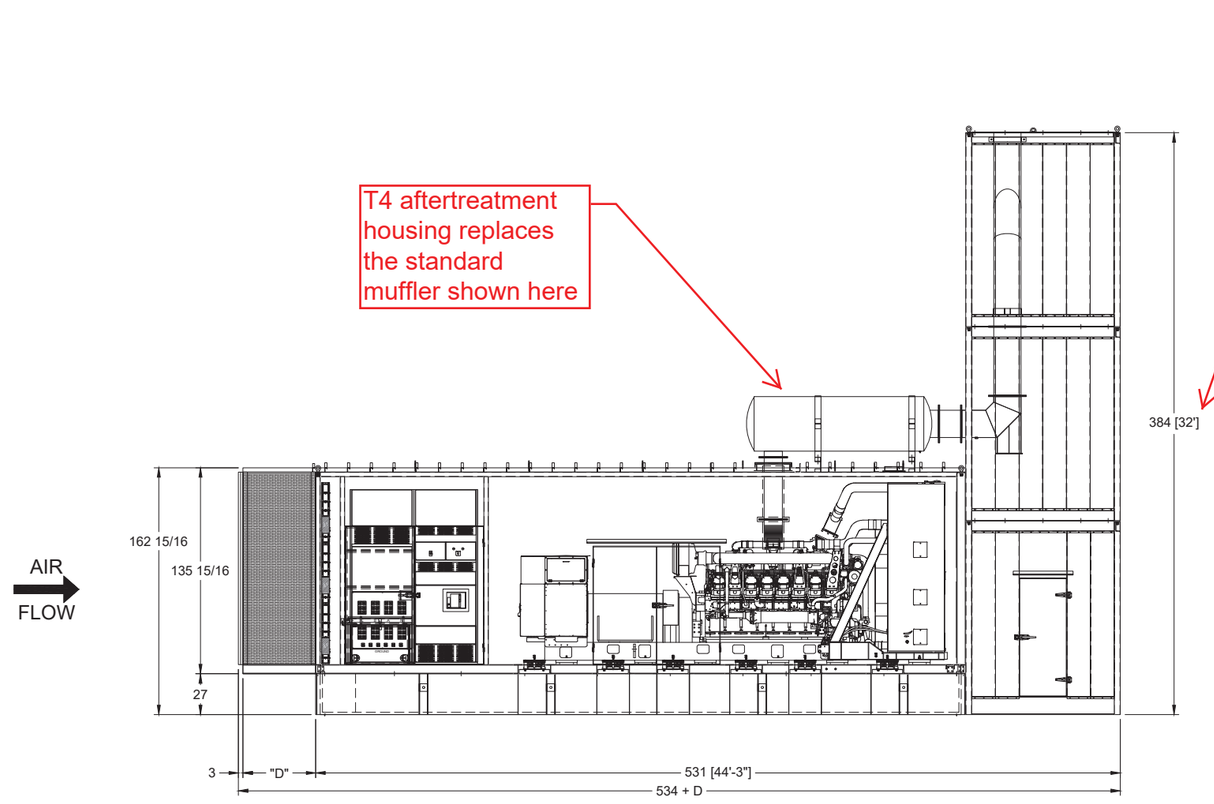
applied.
4. For variable-speed, variable-load auxiliary engines, not included above, test cycle C1 shall be applied.
HEAT JECTION FINITIONS:
Diesel Circuit Type and HHV Balance : DM9500
HIGH SPLACEMENT (HD) FINITIONS:
3500: M1500
ATING FINITIONS:
Agriculture : TM6008
Fire Pump : M600
Generator Set : M6035
Generator (Gas) : M6041
ndustrial Diesel : M6010
Industrial (Gas) : M6040
Irrigation : M5749
Locomotive : M6037
Marine Auxiliary : M6036
Marine Prop (Except 3600) : M5747
Marine Prop (3600 only) : M5748
MSHA : M6042
Oil Field (Petroleum) : M6011
Off-Highway Truck : M6039
On-Highway Truck : M6038
SOUND FINITIONS:
Sound Power : M8702
Sound Pressure : M7080
ate Released : 07/10/19

REMOVABLE SOUND PLENUM OPTIONS

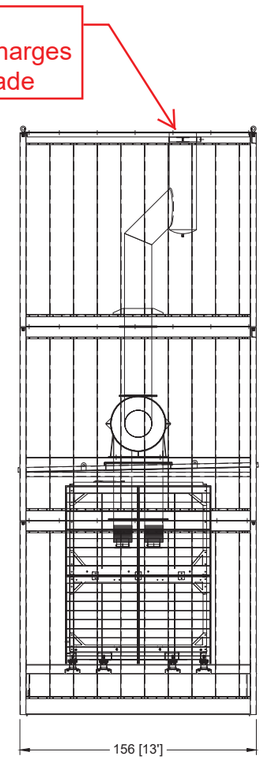
D =	Sound option
None	No sound Option
18"	85 dba
30"	75 dba
48"	65 dba



TOP VIEW



SIDE VIEW



END VIEW

1 GENERAL ASSEMBLY: 32' TOWER
SCALE = 1 : 100

JOHNSON THERMAL SYSTEMS

REV:	DATE:	BY:	DESCRIPTION:	APP BY:	DATE:
CO	01-19-21	SC	ISSUED FOR CONCEPTUAL	SC	01-19-21

ISSUED FOR CONCEPTUAL

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DO NOT SCALE

DRAWN BY: SC	DATE: 01-09-21
CHECKED BY: SC	DATE: 01-09-21
APPROVED BY: SC	DATE: 01-09-21

PROJECT NAME: OPTDC ONE DESIGN

PROJECT LOCATION: ---

CLIENT NAME: ---

QUOTE NUMBER: Q-2948-1

CUSTOMER PO NUMBER: ---

JOB NUMBER: ---

DRAWING DESCRIPTION: GENERAL ASSEMBLY

DRAWING NO: G-101A REV: CO

SHEET 1 OF 3

Application & Performance Warranty Data

Project Information

Site Location:	California
Project Name:	Confidential Retail Client - AT IV Systems
Application:	Standby Power
Number Of Engines:	1
Operating Hours per Year:	100

Engine Specifications

Engine Manufacturer:	Caterpillar
Model Number:	3516C
Rated Speed:	1800 RPM
Generator Power:	2500 ekW
Type of Fuel:	Ultra-Low Sulfur Diesel (ULSD)
Type of Lube Oil:	1 wt% sulfated ash or less
Lube Oil Consumption:	0.1 % Fuel Consumption
Number of Exhaust Manifolds:	1

Engine Cycle Data

Load	Speed	Power	Exhaust Flow	Exhaust Temp.	Fuel Cons.	NO_x	CO	NMHC	PM	O_2	H_2O
%		*bhp*	*acfm (cfm)*	*F*		*g bhp-hr*	*g/bhp-hr*	*g/bhp-hr*	*g/bhp-hr*	*%*	*%*
100	Rated	3,633	19,579	915		6.38	0.76	0.14	0.05	9.4	10

Emission Data (100% Load)

Emission	Raw Engine Emissions						Target Outlet Emissions						Calculated Reduction
	g/bhp-hr	*tons/yr*	*ppmvd @ 15% O*	*ppmvd*	*g/kW-hr*	*lb/MW-hr*	*g/bhp-hr*	*tons/yr*	*ppmvd @ 15% O*	*ppmvd*	*g/kW-hr*	*lb/MW-hr*	
NO_x	6 38	2 55	541	1,054	8.556	18.86	0.5	0 2	42	83	0.671	1.48	92.2%
CO	0.76	0.3	106	206	1.019	2.25	2.6	1 04	362	705	3 487	7.69	
NMHC**	0.14	0.06	34	66	0.188	0.41	0.14	0.06	34	66	0.188	0.41	
PM_{10}	0.05	0.02	16	32	0.067	0.15	0.02	0.01	6	13	0 027	0.06	60%

MW referenced as NO_2

MW referenced as CH_4. Propane in the exhaust shall not exceed 15% by volume of the NMHC compounds in the exhaust, excluding aldehydes. The 15% (vol.) shall be established on a wet basis, reported on a methane molecular weight basis. The measurement of exhaust NMHC composition shall be based upon EPA method 320 (FTIR), and shall exclude formaldehyde.

System Specifications

SCR/DOC/ADPF System Specifications (SP-AT-IV 8-TBD, ACIS-3, Commissioning & Startup)

esign Exhaust Flow Rate:	19,579 acfm (cfm)
Design Exhaust Temperature :	915°F
Total Catalyst Volume:	46 cubic feet
SCR Catalyst Volume:	46 cubic feet
SCR Catalyst Space Velocity:	9,690 1/hr
System Pressure Loss:	20.0 inches of WC (Clean) (49.8 mBar)
Sound Attenuation:	Critical Grade
Exhaust Temperature Limits:	572 – 977°F (300 – 525°C)
Minimum Regeneration Temperature[3]:	500°F (260°C)
Reactant:	Urea
Percent Concentration:	32.5%
System Dosing Capacity:	60 L/hr
Estimated Reactant Consumption:	13.8 gal/hr (52.1 L/hr) / Per Engine

MIRATECH Scope of Supply & Equipment Details

	Model Number	Quantity
SCR/DOC/ADPF Housing	**SP-AT-IV 8-TBD**	**/ engine**
AT IV Housing	SP-AT-IV 8-TBD-HSG	1 / engine
• Number of Catalyst Layers	2 0	
• Number of Spare Catalyst Layers	1 0	
• Number of Catalyst Blocks per Layer	64	
• Material	Carbon Steel	
• Paint	High Temperature Dark Grey	
• Inlet Pipe Size & Connection	24 inch FF Flange, 150# ANSI standard bolt pattern	
• Outlet Pipe Size & Connection	24 inch FF Flange, 150# ANSI standard bolt pattern	
• Door Location	Top	
• Dimensions	65.375" H x 100.000" W x 256" L	
• Weight Without Catalyst	9,500 lbs	
• Weight Fully Loaded With Catalyst	15,580 lbs	
• Insulation	None	
Tray Set	Tray Set-AT IV 8-450mm	2 / engine
Oxidation Element	MECB-OXZ-SB3213-2421-19020071	2 / engine
SCR Catalyst	SCRC-044-075-450	128 / engine
AT IV Module	SP-AT IV Module	8 / engine
AT IV Electronics	SP-AT-IV Electronics	3 / engine
AT-IV Transformer	SP-AT-IV Transformer	3 / engine
AT IV Assembly Kit	SP-AT-IV 8 Assembly Kit	2 / engine
Equipment Installment	SP-INSTALLATION-0	1 / engine
Equipment Mounting Standoff	SP-STANDOFF-TBD	1 / engine
SCR Control System	**ACIS-3**	**/ engine**
SCR Controller	OLC-60-HMI	1 / engine
• Overall Dimensions	24.110 W x 31.535 H x 12.442 D	
• Weight	76 lbs	
Dosing Box	SEN60.lab.wt	1 / engine
• Overall Dimensions	15.75 W x 15.75 H x 6.562 D	
• Weight	28 lbs	
Reactant Pump	VPN75.lab	1 / engine
• Overall Dimensions	19.685 W x 15.906 H x 23.031 D	
• Weight	88 lbs	
Reactant Filter	FILTER115	1 / engine
Injector	EN75.600	1 / engine
• Weight	12 lbs	
Differential Pressure Sensor	PT 040	1 / engine

	Model Number	Quantity
Bypass Probe	NP-18	2 / engine
Temperature Sensor	TT-14-FLEX60-32-1112	2 / engine
Air Compressor	CA75.lab	1 / engine
• Overall Dimensions	21.445 W x 26.772 H x 15.748 D	
• Weight	82 lbs	
NOx Sensor	NOX-24V	2 / engine
Wiring Harness	BLU-WH-NOX-24V 50-SL	2 / engine
• Overall Length	600 inches	
Junction Box	SP-JB-TBD	1 / engine
Commissioning & Startup	**Commissioning & Startup**	**/ engine**
Analyzer Charges	Analyzer Charges	1 / engine
Expense Charges	Expense Charges	1 / engine
Labor Charges	Labor Charges	1 / engine

Optional Content MIRATECH Scope of Supply & Equipment Details

	Model Number	Quantity
FACTORY INSTALLED	**FACTORY INSTALLED**	**/ engine**
304 SS Adder	**SP-AT IVS-8-TBD-HSG**	**/ engine**

Customer Scope Of Supply

- Support Structure
- Attachment to Support Structure (Bolts, Nuts, Levels, etc.)
- Expansion Joints
- Exhaust Piping
- Inlet Pipe Bolts, Nuts, & Gasket
- Outlet Pipe Bolts, Nuts, & Gasket
- Insulation for Exhaust Piping
- Insulation for Housing
- Installation, Fabrication, and Installation of Mounting Frame for Particulate Filters
- Power Input (230 VAC, 60 Hz, Single Phase)
- Component Installation Including External Tubing and Wiring
- Isolated Engine Load Signal to MIRATECH Equipment (4-20 mA)
- ry Contact (N.O.) for Engine Run Signal to MIRATECH Equipment
- Heat Tracing of Reactant Lines (Required when Ambient Temperatures are Below 40 °F)
- Heat Tracing of Sample Lines (Required when Ambient Temperatures are Below 32 °F)
- Design for Structural Support and Thermal Expansion
- Reactant Storage Tank

Special Notes & Conditions

For housings and exhaust components that are insulated, internally or externally, please refer to Section 7.1 of the General Terms and Conditions of Sale to prevent voiding MIRATECH product warranty

- Carbon steel is suitable for temperatures up to 900° F / 482° C continuously, when covered with external insulation or a heat shield. For continuous operation above 900° F / 482° C, where the equipment is externally insulated or has a heat shield, stainless steel should be used.

Diesel Particulate Filters depend on exhaust temperature to keep soot regenerated and the filter back pressure within acceptable levels. If the engine will be operated consistently at low loads/low exhaust temperatures, the customer should make provisions to add load via facility operations or a load bank. Refer to the included *Guidelines for Successful Operation of LTR™ DPF*

- A packed silencer installed upstream of the MIRATECH catalyst system will void MIRATECH's limited warranty
- Final catalyst housings are dependent on engine output and required emission reductions. Changes may be made to optimize the system design at the time of order
- Any drawings included with this proposal are preliminary in nature and could change depending on final product selection.
- Any sound attenuation listed in this proposal is based on housing with catalyst elements installed.
- MIRATECH Corporation warrants that the emissions reductions requested for this inquiry will be achieved at the design and test load point as outlined in the proposal. Tier 4 is an engine certificate designation, not an actual tons/yr or g/bhp-hr measurement. MIRATECH will utilize the engine manufacturer’s emission data at 100% load to provide our warranty. This is the maximum volume potential point for pollutants to be emitted. Permitting is normally done on a mass flow or tons per year basis, therefore the system will be sized accordingly. The MIRATECH design is to achieve the blended Tier 4 emission targets from the D2 test cycle, measured at 100% engine load conditions.
- Any emission reductions listed in this proposal are based on housing with catalyst elements installed.
- MIRATECH will confirm shipping location upon placement of order.

Cat® C18 SEL GENERATOR S TS

Standby & Prime: 60Hz



Image shown might not reflect actual configuration

Engine Model	Cat® C18 ACERT™ In-line 6, 4-cycle diesel
Bore x Stroke	145mm x 183mm (5.7in x 7.2in)
Displacement	18.1 L (1106 in³)
Compression Ratio	14.5:1
Aspiration	Turbocharged Air-to-Air Aftercooled
Fuel Injection System	MEUI
Governor	Electronic ADEM™ A4

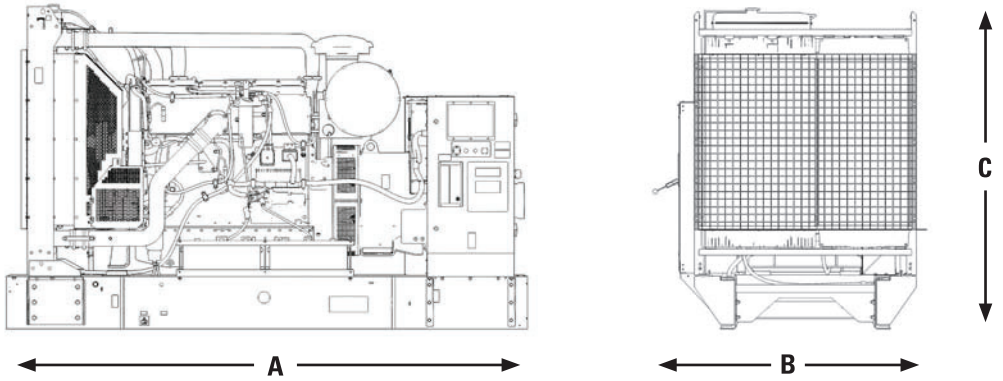
Model	Standby	Prime	Emission Strategy
C18	600 ekW, 750 kVA	545 ekW, 681 kVA	TIER II Non-Road

PACKAGE PERFORMANCE

Performance	Standby	Prime
Frequency	60 Hz	
Genset Power Rating	750 kVA	681 kVA
Genset power rating with fan @ 0.8 power factor	600 ekW	545 ekW
Emissions	TIER II Non-Road	
Performance Number	DM8518-04	DM8522-05
Fuel Consumption		
100% load with fan, L/hr (gal/hr)	161.6 (42.7)	151.1 (39.9)
75% load with fan, L/hr (gal/hr)	129.6 (34.2)	123.6 (32.6)
50% load with fan, L/hr (gal/hr)	91.7 (24.2)	89.2 (23.6)
25% load with fan, L/hr (gal/hr)	46.8 (12.4)	48.7 (12.9)
Cooling System[1]		
Radiator air flow restriction (system), kPa (in. Water)	0.12 (0.48)	0.12 (0.48)
Radiator air flow, m³/min (cfm)	803 (28357)	803 (28357)
Engine coolant capacity, L (gal)	20.8 (5.5)	20.8 (5.5)
Radiator coolant capacity, L (gal)	61 (16)	61 (16)
Total coolant capacity, L (gal)	82 (22)	82 (22)
Inlet Air		
Combustion air inlet flow rate, m³/min (cfm)	47.8 (1687.8)	46.7 (1649.0)
Max. Allowable Combustion Air Inlet Temp, °C (°F)	49 (120)	49 (120)
Exhaust System		
Exhaust stack gas temperature, °C (°F)	534.6 (994.3)	518.2 (964.8)
Exhaust gas flow rate, m³/min (cfm)	135.5 (4784.4)	129.6 (4576.4)
Exhaust system backpressure (maximum allowable) kPa (in. water)	10.0 (40.0)	10.0 (40.0)
Heat Rejection		
Heat rejection to jacket water, kW (Btu/min)	189 (10747)	175 (9953)
Heat rejection to exhaust (total) kW (Btu/min)	634 (36053)	596 (33895)
Heat rejection to aftercooler, kW (Btu/min)	153 (8700)	142 (8076)
Heat rejection to atmosphere from engine, kW (Btu/min)	86 (4902)	83 (4726)

Emissions (Nominal)[2]	Standby		Prime	
NOx, mg/Nm³ (g/hp-hr)	2798.7 (5.8)		2462.2 (5.1)	
CO, mg/Nm³ (g/hp-hr)	225.2 (0.5)		195.1 (0.4)	
HC, mg/Nm³ (g/hp-hr)	3.8 (0.01)		5.0 (0.01)	
PM, mg/Nm³ (g/hp-hr)	13.3 (0.03)		13.1 (0.03)	
Alternator[3]				
Voltages	480V	600V	480V	600V
Motor starting capability @ 30% Voltage Dip	1633 skVA	2023 skVA	1633 skVA	2023 skVA
Current	902 amps	722 amps	819 amps	656 amps
Frame Size	LC7024F	LC7024H	LC7024F	LC7024H
Excitation	AR	AR	AR	AR
Temperature Rise	150 ° C	130 ° C	125 ° C	105 ° C

WEIGHTS & DIMENSIONS



Dim "A" mm (in)	Dim "B" mm (in)	Dim "C" mm (in)	Dry Weight kg (lb)
3477 (137)	**1628 (64)**	**2102 (83)**	**4431 (9769)**

APPLICABLE CODES AND STANDARDS:

AS1359, CSA C22.2 No100-04, UL142, UL489, UL869, UL2200, NFPA37, NFPA70, NFPA99, NFPA110, IBC, IEC60034-1, ISO3046, ISO8528, NEMA MG1-22, NEMA MG1-33, 2006/95/EC, 2006/42/EC, 2004/108/EC.
Note: Codes may not be available in all model configurations. Please consult your local Cat Dealer representative for availability.

STANDBY: Output available with varying load for the duration of the interruption of the normal source power. Average power output is 70% of the standby power rating. Typical operation is 200 hours per year, with maximum expected usage of 500 hours per year.

PRIME: Output available with varying load for an unlimited time. Average power output is 70% of the prime power rating. Typical peak demand is 100% of prime rated ekW with 10% overload capability for emergency use for a maximum of 1 hour in 12. Overload operation cannot exceed 25 hours per year

RATINGS: Ratings are based on SAE J1349 standard conditions. These ratings also apply at ISO3046 standard conditions.

DEFINITIONS AND CONDITIONS

[1] For ambient and altitude capabilities consult your Cat dealer. Air flow restriction (system) is added to existing restriction from factory.

[2] Emissions data measurement procedures are consistent with those described in EPA CFR 40 Part 89, Subpart D & E and ISO8178-1 for measuring HC, CO, PM, NOx. Data shown is based on steady state operating conditions of 77° F, 28.42 in HG and number 2 diesel fuel with 35° API and LHV of 18,390 BTU/lb. The nominal emissions data shown is subject to instrumentation, measurement, facility and engine to engine variations. Emissions data is based on 100% load and thus cannot be used to compare to EPA regulations which use values based on a weighted cycle.

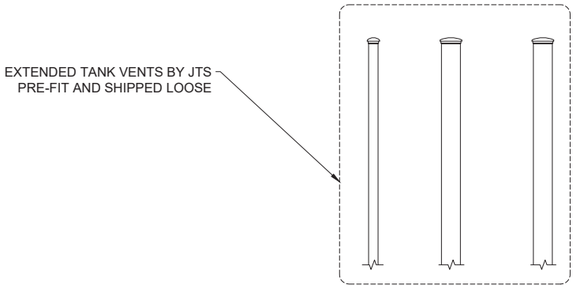
[3] UL 2200 Listed packages may have oversized generators with a different temperature rise and motor starting characteristics. Generator temperature rise is based on a 40° C ambient per NEMA MG1-32.

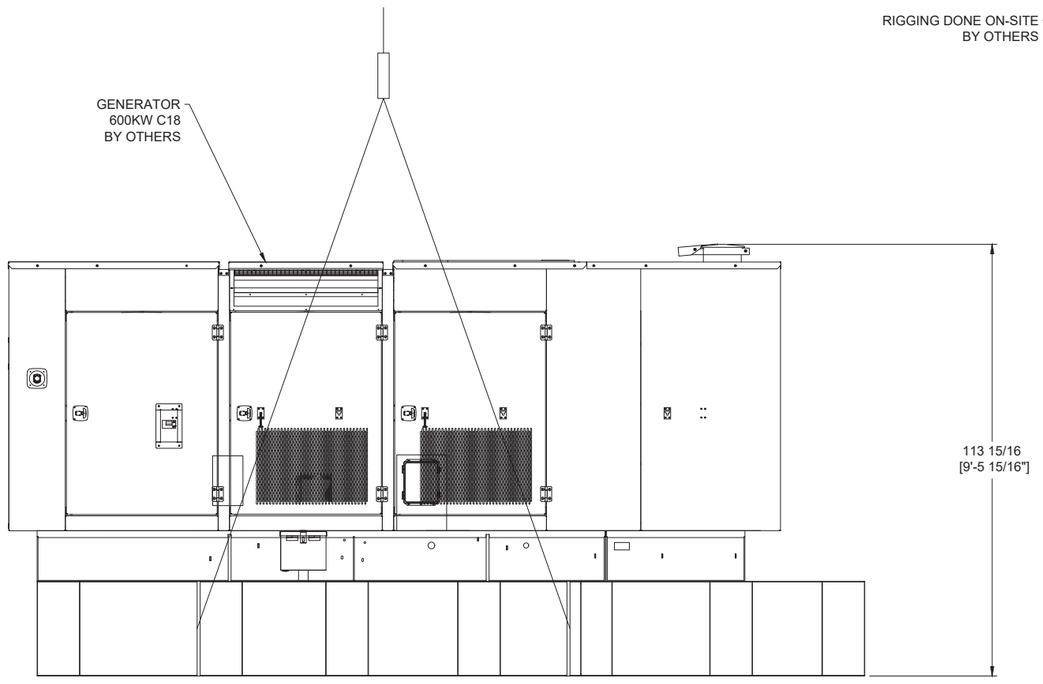
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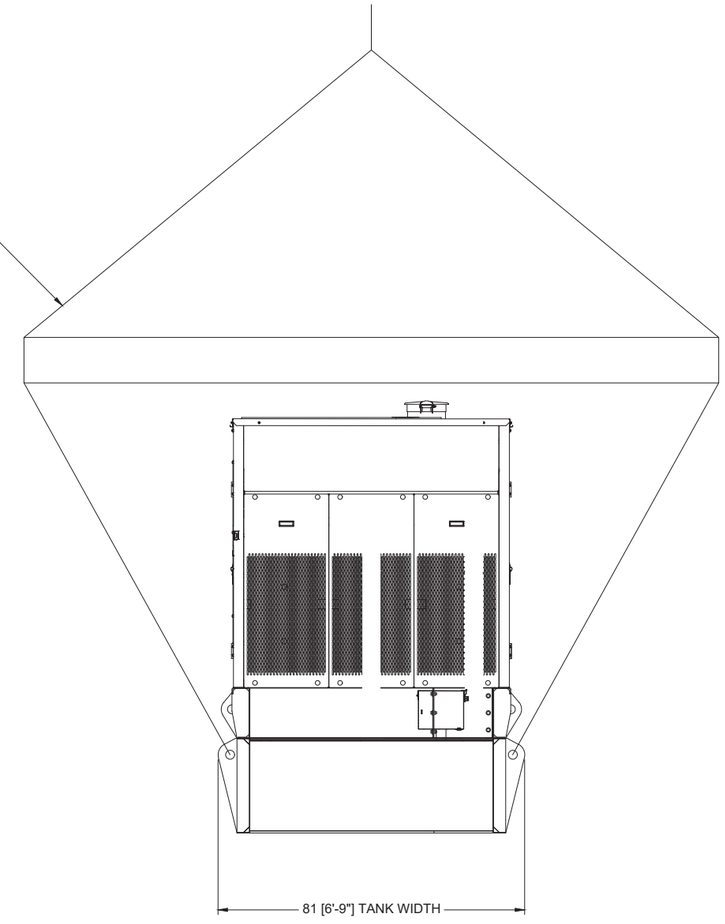
Materials and specifications are subject to change without notice.The International System of Units (SI) is used in this publication.
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LEHE1581-02 (05/20)





SIDE VIEW



DISCHARGE END VIEW

1 SHIPPING DIAGRAM
SCALE = 1 : 40

JOHNSON THERMAL SYSTEMS

REV:	DATE:	BY:	DESCRIPTION:	APP BY:	DATE:
A	05-29-20	JS	INITIAL SUBMITTAL	VC	05-29-20

ISSUED FOR APPROVAL

THE INFORMATION ON THIS DOCUMENT IS INTENDED TO CONVEY AND DOCUMENT THAT THE CONTRACT SPECIFICATION HAS BEEN ACCURATELY INTERPRETED AND MAY NOT BE ACCURATE FOR CONSTRUCTION PURPOSES.

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UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN INCHES
DO NOT SCALE

DRAWN BY: JS	DATE: 05-29-20
CHECKED BY: JO	DATE: 05-29-20
APPROVED BY: VC	DATE: 05-29-20

PROJECT NAME:
AMAZON OPTDC C18 HOUSE GEN PACKAGE MASTER

PROJECT LOCATION:

CLIENT NAME:
PETERSON POWER SYSTEMS

QUOTE NUMBER:

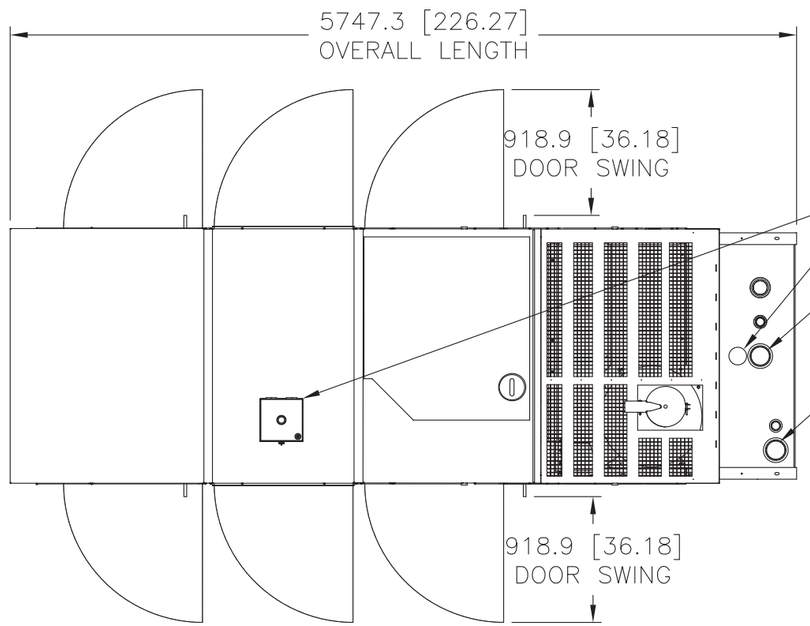
CUSTOMER PO NUMBER:

JOB NUMBER:

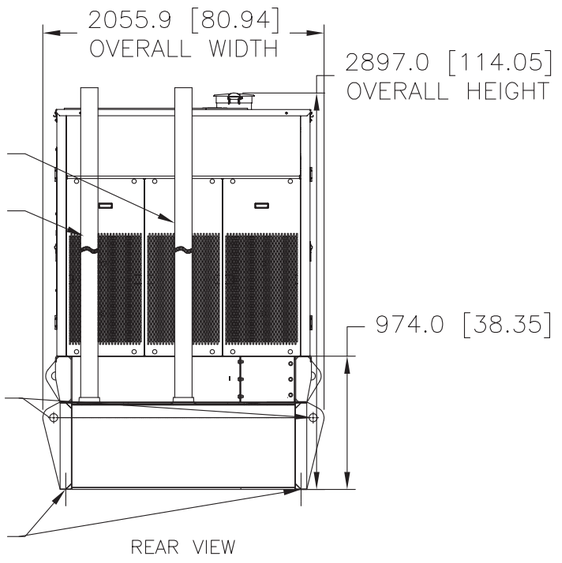
DRAWING DESCRIPTION:
SHIPPING DIAGRAM

DRAWING NO:	REV:
G-102	A

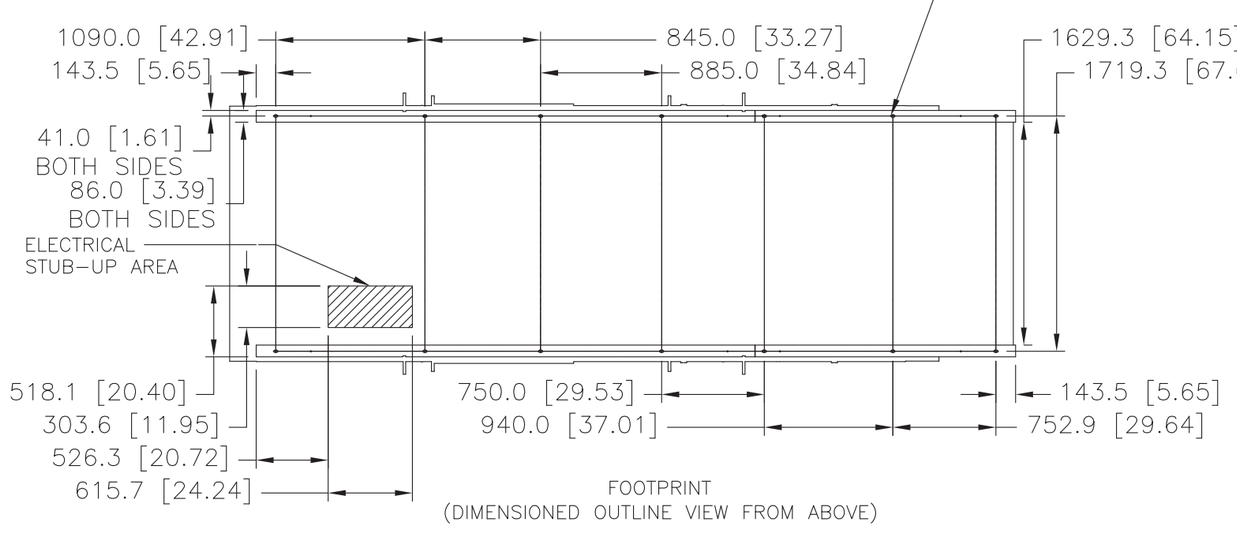
SHEET 3 OF 6



TOP VIEW



REAR VIEW



FOOTPRINT
(DIMENSIONED OUTLINE VIEW FROM ABOVE)

PETERSON CAT

SAN LEANDRO, CA - HILLSBORO, OR
WEB: WWW.PETERSONPOWER.COM

REV	BY	DESCRIPTION	DATE

PROJECT NAME: PDX OPTDC MASTER HOUSE GEN.

DESCRIPTION:
C18-600KW 480VAC 60HZ
S.A. L1 ENCLOSURE, S.B. FUEL TANK

REFERENCE DRAWINGS:
C18DE6E: C18-600KW 480VAC GENSET
FTDW005: SUB-BASE FUEL TANK (1,041 GAL)
OGNAR65: LC7024J AREP ALT. END
ENCSAH3: S.A. ENCLOSURE L1

DRAWING STATUS:
PRELIMINARY NOT FOR CONSTRUCTION

DRAWN BY:	PROJECT NUMBER:
EJD	N/A
CHECKED BY:	DATE: 06-19-20
APPROVED BY:	REV #: -
OVERALL LENGTH: 227"	WET WEIGHT: 26,300 LBS
OVERALL WIDTH: 81"	DRY WEIGHT: 18,000 LBS
OVERALL HEIGHT: 115"	SCALE: NONE

NOTES:
-ALL OVERALL DIMENSIONS ARE NOMINAL WITH ± 1" TOLERANCE SEE DRAWING FOR ALL DETAILED COMPONENT DIMENSIONS CONSULT FACTORY FOR QUESTIONS AND/OR DISCREPANCIES FOUND.
-ALL MEASUREMENTS ARE DISPLAYED IN INCHES
-CENTER OF GRAVITY IS FOR WET WEIGHT

DRAWING NUMBER: C18-0600-S-102CW-01

SHEET NUMBER: 1 OF 3

Performance Number: EM1891

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6SgA6 MOE g:	351
DI SNE:	3JR
RT PO) I GDWP(:	, AA
RA PO) I) ZD FS GAK) (:	8054A
RA PO) I) TUWFS GAK) (:	8AA4A
5OMPI 66TON I SUTO:	524
I SUTR gAYAg:	7RJ 6MS
PBMP QBS UTUV:	5
FBAg UVPA:	6C7 Y
MSNTFOgE UVPA:	6DS
ROYAI OI UVPA:	Y 3
5SM6WSFU UVPA:	7RJ 6J 6
TRNTUTON UVPA:	3C
TJA 5UOI UVPA:	I PC
I AF / W6US5K ETSMAUAI GT(:	8
MS/ OPAI SUTR SgUTUBE GFU(:	0Q. +

5OMDB6UTON:	6C 3 C 3 GNE
RT 6PAAE G PM(:	5GAA
W I UH:	8A
FS PO) I GWP(:	0245
S6PT SUTON:	J
SFU I 5OOgAI UVPA:	JRJJ3
SFU I 5OOgAI 5T 5BTU UVPA:	L BN3QJRJJ3
TgA U MSNTFOgE ST U MP GF(:	50A
JS5KAU) SU I UAMP GF(:	5, 040
UBI DO 5ONFTRBI SUTON:	WIDJYY Y
UBI DO QBSNUTUV:	0
UBI DO5WSI R I MOE g:	7+5A7A1, 545AJ
5AI UFT5SUTON VASI :	0AA8
PT6UO 6PE3 I SU E R 6PE GFUZMT(:	0G3854 2

TNEB6UI V	6BDTNEB6UI V	SPPgT5SUTON
Y 3 G WNL	7RJ 6J 6	WJ3GJ- 6- 7
NGYJE6 - J7	YJ 6 W N6P3RGNE	WJ3GJ- 6- 7

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RA 6 UPO) I) TUWFS	PAI 5 UgOSE	RT PO) I	DI SK MAS FF PI A6 GDMAP(	DI SK 6PA5 FBAg 5ON6BMPU G6F5(	YOg FBAg 5ON6BMPU GYF5(
I GL	U	MKW	W7C	YMMKWHKD	- JYKD
8AA4A	5AA	, AA	+. 1	A4++0	2045
. 2A4A	, A	1A1	+05	A4++,	+148
21A4A	1A	F51	018	A4+. A	+. 4
2. A4A	F.	8F2	081	A4+. 8	++41
20A4A	FA	80,	0. A	A4+85	+04A
+8A4A	8A	. 25	05.	A4+8,	0140
+AA4A	. A	2. 2	515	A4+F+	0+4
02A4A	2A	+FA	52F	A4+81	5, 40
51A4A	+A	018	552	A4+. 1	5242
5. A4A	0.	022	, F	A4+. .	5040
50A4A	0A	0A5	1A	A4+. 2	5A4A
8A4A	5A	552	2.	A4250	848

RA 6 UPO) I) TUWFS	PAI 5 UgOSE	RT PO) I	T gAU MFgE PI A6	TgA U MFgE U MP	/ WMFgE U MP	RT OBUg U UAMP	5OMPI 66OI OBUgAU PI A6	5OMPI 66OI OBUg U UAMP
I GL	U	MKW	GEHK-	6I - V	6I - V	6I - V	GEHK-	6I - V
8AA4A	5AA	, AA	8, 42	50A40	500, 84+	, , 24+	F.	2504+
. 2A4A	, A	1A1	884+	5514I	5002. 48	, . F4I	F0	+, 24F
21A4A	1A	F51	8+4	5524 2	500AF45	, +A4I	8,	+104+
2. A4A	F.	8F2	854I	5504	5G3184F	, 5F4A	8F	+F. 4A
20A4A	FA	80,	. , 4F	5554 8	5G38. 4A	, A04F	8.	+884 8
+8A4A	8A	. 25	. +4I	5A, 40	5G3504A	1FA4	. ,	+2+40
+AA4A	. A	2. 2	2. 4F	5A84F	50A284+	1++4A	. A	+5A4
02A4A	2A	+FA	++4	5AA45	, 284+	FF, 42	+F	0. F42
51A4A	+A	018	0A42	, 245	1+. 4+	F504I	0+	5, , 42
5. A4A	0.	022	524I	, 04	FFF4	8F. 4	51	5F242
50A4A	0A	0A5	, 4F	, +40	F514A	8+. 4A	50	5. 54+
8A4A	5A	552	. 4+	55A40	. , 240	. 2+4F	F	5084I

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RA 6 UPO) I) TUWFS	PAI 5 UgOSE	RT PO) I	) AU TgA UST YOg FgO) I SU	RT OBUg U) AU / WRS6 YOg FgO) I SU	) AU TgA UST MS66 FgO) I SU	) AU / WRS6 MS66 FgO) I SU	) AU / WYOg FgO) I SU Gd EAR F SNE d[ ][1 T WR(	EI V / WYOg FgO) I SU Gd EAR F SNE d[ ][1 T WR(
I GL	U	MKW	3V%	3V%	YMKD	YMKD	VR+ %C	VR+ %C
8AA4A	5AA	, AA	5G31F4I	2G3124 2	FG2A14A	FG3A84I	5G35F4	5G2. 548
. 2A4A	, A	1A1	5G3204A	2O0F4A	8G+. 42	FG3A, 40	5OFA4+	5G2A14

21A4A	1A	F51	5@5A40	2G284l	8Q2248	8@, 840	5O+F45	5G+F, 45
2. A4A	F.	8F2	5O1. 4l	2@+. 4A	8@5, 4F	8Q2. , 4+	5O5048	5G+. F45
20A4A	FA	80,	5O. +4F	2@A+4+	. Q884+	8@, +42	5Q21A4	5G+014F
+8A4A	8A	. 25	5Q2. 142	+@. F42	. G+F42	. O+F45	5G+114	5Q2845
+AA4A	. A	2. 2	5G+0A48	+G+A. 4A	2O8+4l	2@++4+	5Q0. F45	5@50F4
02A4A	2A	+FA	5@554	0@3104+	+O. +4	+@31, 4F	5QA824Q	, . . 4A
51A4A	+A	018	1124	0QA004F	0O0. 4A	0@30F4	1214Q	F854A
5. A4A	0.	022	F1. 48	5@+A48	0QA114F	0@5F. 4+	F2, 4	8F04
50A4A	0A	0A5	8, +40	5Q2. 145	5@, F40	5@5814Q	8. 24	. 1F48
8A4A	5A	552	. , F45	5@2. 48	5Q0084Q	5Q0F+4+	. 854Q	. A+4F

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RA 6 U PO) I) TJW FS	PAI 5 U gOSE	RT PO) I	I AJ 5UTDN UO JS5K U) SU I	I AJ 5UTDN UO SUMO6PW I	I AJ 5UTDN UO / W	/ WSB6U I A5OY I V UO i 8I F	FI OM OTg 5OOgAI	FI OM SFU I 5OOgAI	) OI K I RV	gO) W SU YSgBA I RV	WRWW SU YSgBA I RV
I GL	U	MKW	MRP %C	MRP %C	MRP %C	MRP %C	MRP %C	MRP %C	MRP %C	MRP %C	MRP %C
8AA4A	5AA	, AA	5A@2F	2QA0	+8@A. +	0. O+0	2Q0F	1@AA	+1@5. 8	, 0O55	, 1O2F
. 2A4A	, A	1A1	, @10	2@30,	++G+12	0+@A2	2OA5	1QA5,	+2@1+	12O5.	, A@+A
21A4A	1A	F51	1Q18	2@52	+5G+8	05@2, F	2@5+0	F@305	+A@288	FFOF0	10@+2
2. A4A	F.	8F2	1O11	+Q8A	+A@A5	0AOF0	+Q+.	FG+2+	01OFF	F+@1+	F1@A2
20A4A	FA	80,	1@5, A	+@52	01Q21	5, O82	+@501	8Q, .	08@, 5	8, Q, 2	F2O80
+8A4A	8A	. 25	F@1A	+G+85	0. @F1	5F@50A	+@F8	8@A0,	00O85	85OAF	8. O0A
+AA4A	. A	2. 2	8G+50	+@A10	00@505	52@F2	0@F1	2@FFF	5, @F0	. 0@5. 8	. . O. ,
02A4A	2A	+FA	. Q2, .	0G+0	5FG+A+	5A@3, A	0@0+5	+@58A	5. @3, 2	25@1A	22@5+
51A4A	+A	018	2@F5.	0O, 1	50Q20.	F@0A5	5@FF	5@325	50@501	+5Q210	++O+F
5. A4A	0.	022	2G+A5	0@A11	5AG+8A	. @F0A	5Q258	5@5+	5AG+F	08O1A	01G+52
50A4A	0A	0A5	+@F+	5@3. 2	1Q2, 8	2G+, .	5@58+	81F	1O0.	05Q25	0+@88
8A4A	5A	552	0@. +	5O++	. Q+A	0O5.	F81	5F+	2@08	52@5.	5. G+. .

X7Xon7 E @

ETA6Ag

I SU E 6P AE OMT Sg ESUS: 91I I I PM

RA 6 UPO) I) TJW FS	AK)	%I]I	08I]I	i I I]I	98I]I	%I]I
PAI 5 UgOSE	4	9I I	y8	8I	d8	9I
RT PO) I	DWP	[I I	%y0	080	d00	990
N RJY Nf XI7 N0(	-9KD	. @01	0@0. F	5@08F	5@38,	5@AF.
N RJY3N	-9KD	252	+A1	55+	505	5, 0
N RJYK3	-9KD	1	5.	+.	5,	5,
N RJY3N0	G- KD	200	++1	0+,	500	8F
WJDR%JR	-9KD	0, 4	204A	024A	5A40	148
N RJY Nf XI7 N0(X8N . U N0(	%- E%+	0@F, 14F	5O0542	5@08+4@	+@01, 4	+@F0. 45
N RJY3N X8N . U N0(	%- E%+	00. 4@	0A14	5A148	0+F4F	8, 54A
N RJYK3 X8N . U N0(	%- E%+	+4l	, 4+	014F	+54+	8A4
WJDR%JR X8N . U N0(	%- E%+	5+4+	024+	0A40	5F40	0145
N RJY Nf XI7 N0(X8N . U N0(	WW%	5G+8+	F25	85.	5@3A0	5Q152
N RJY3N X8N . U N0(	WW%	51A	58F	1F	5, A	. . +
N RJYK3 X8N . U N0(	WW%	F	5F	. 2	. ,	55+
N RJY Nf XI7 N0(	-9KWHKD	. 4F.	+4+F	041A	8418	, 428
N RJY3N	-9KWHKD	A428	A428	A40.	A4 A	5481
N RJYK3	-9KWHKD	A4A5	A4A0	A4A1	A4A1	A45F
WJDR%JR	-9KWHKD	A4A+	A4A8	A4A.	A4A2	A4A1
N RJY Nf XI7 N0(	YMKD	554+A	24, 1	04F,	+481	04+F
N RJY3N	YMKD	A4, 5	A481	A40.	A40F	A420
N RJYK3	YMKD	A4A0	A4A+	A4A1	A4A2	A4A2
N RJY3N0	YMKD	, +A	F28	. 01	08,	52,
WJDR%JR	YMKD	A4AF	A4A,	A4A.	A4A0	A4A0
Nf S- C f K	U	, 4A	5A4,	504	5+48	5. 4,
6DS7%NG NWJ3CS	U	A41	545	A4,	A48	A4
MN73K7%NG EP%M		A428	A4F2	A4, 2	A4+A	A400

I SUAE 6P E POUA UTSg 6TUAYSI TSUTON: 91I I I PM

RA 6 UPO) I) TUW FS	K)	%I]I	08I]I	i I I]I	98I]I	%I]I
PAI 5 UgOSE	4	9I I	y8	8I	d8	9I
RT PO) I	DWP	[I I	%y0	080	d00	990
N J Y Nf XI7 N0(	-9KD	. O+1	0Q2+F	5G8,	5GA+	5G85
N J Y3N	-9KD	FF2	. FF	055	008	+. 1
N J YK3	-9KD	5.	0,	8.	+F	+F
WJD % JR	-9KD	. 14+	154	284	5, 4	584I
N J Y Nf XI7 N0(X8N . U N0(	%- % +	+QA004B	5G82+45	5G+824D	+O. 04F	2QA0+4D
N J Y3N X8N . U N0(	%- % +	2054 5	+1, 4	0A+45	2224 2	5QD, 045
N J YK3 X8N . U N0(	%- % +	F45	5F48	. 24D	. , 4D	5524 2
WJD % JR X8N . U N0(	%- % +	084A	2F4+	+, 4+	++42	. 24F
N J Y Nf XI7 N0(X8N . U N0(	WW%	5Q2F0	1AA	882	5GF+A	5Q8A
N J Y3N X8N . U N0(	WW%	++F	+50	580	+. 8	5QA+2
N J YK3 X8N . U N0(	WW%	5+	++	5A5	555	052
N J Y Nf XI7 N0(	-9KWHKD	8405	+482	+4A0	F425	5A405
N J Y3N	-9KWHKD	A41F	A418	A42F	A4 +	+45.
N J YK3	-9KWHKD	A4A0	A4A2	A452	A45.	A4+0
WJD % JR	-9KWHKD	A4AF	A450	A45A	A4A1	A45.
N J Y Nf XI7 N0(	YMKD	5040 5	. 4+F	+4A0	+4 F	04 8
N J Y3N	YMKD	54F5	540F	A428	A4 A	A4F,
N J YK3	YMKD	A4A+	A4A8	A452	A4A1	A4A1
WJD % JR	YMKD	A45+	A451	A45A	A4A2	A4A2

I ehuv@or. Tforma@X6n

P S UTAI d		dI %- dI 9I			
- J7 NP7 %G7 70N 7 6 J % J7P % 7 WN) GI 6 N K WJ J 3N 7G7R L GK K N7 6 73 GMI 6 C WJ 2A 3V WJD 1 , 7PMWJD 6 JE 6 G7N 15F1 VN % J7P C- K3O 3NOW%QJE6 Nf 4 K "%Jf YG%C7" 7KNL E M YNL J L I G K 6 3S3Y J) J- 7 JE 6 J C3 N%WYQJE 3I L GK K N HN J6 - PYJ GNE74					
gocavW@	**Shenc.**	**I ehuv@6n**	**UérZ6@he**		**Max gXX @ - RZDK) - WI**
P474XC 3Y 3JYG'(	WJ	NEH N J6	C 0		3N: +4E NxBK3: 842 W%: A40A

APS M I R 5V 6USUTONSI V		dI 99 - ----			
- J7 NP7 %G7 70N 7 6 J % J7P % 7 WN) GI 6 N K WJ J 3N 7G7R L GK K N7 6 73 GMI 6 C WJ 2A 3V WJD 8 A7PMWJD RQQCJ 6 G7N 15F1 VN % J7P C- K3O 3NOW%QJE6 Nf 4 K "%Jf YG%C7" 7KNL E M YNL J L I G K 6 3S3Y J) J- 7 JE 6 J C3 N%WYQJE 3I L GK K % - 3S 7 J GN JDS - PYJRGNE74					
gocavW@	**Shenc.**	**I ehuv@6n**	**UérZ6@he**		**Max gXX @ - RZDK) - WI**
P474XC 3Y 3JYG'(	WJ	7RJ GNEJ S	% - 3S 7 J GNEJ S		3N: +4E NxBK3: 842 W%: A40A

Sv@@t e Eera@E @

6USNESI E

SgUTUBEA 5OI I 5U E PO) I 5SPSDTgTUV GDWP(

SMDT U i I OPAI SUTR U MP GF(	0I	8I	%I	yI	1I	[I	9I I	99I	9dI	9iI	90I	OI MSg
JY GP 6 XVR(												
A	, AA	, AA	, AA	, AA	, AA	, AA	, AA	, AA	, AA	, AA	, AA	, AA
5QAA	, AA	, AA	, AA	, AA	, AA	, AA	, AA	, AA	, AA	1, 1	110	181	, AA
0QAA	, AA	, AA	, AA	, AA	, AA	, AA	, AA	1, .	1F,	182	1. A	1+.	, AA
+QAA	, AA	, AA	, AA	, AA	, AA	1, +	1FF	185	128	1+0	151	1A2	, AA
2QAA	, AA	, AA	, AA	1, +	1F8	1. ,	122	10,	152	1AA	F1F	FF+	11.
. QAA	, AA	1, +	1F.	1. 1	120	10F	150	F, F	F1+	FFA	F. F	F22	1. F
8QAA	1F8	1. 1	120	10.	15A	F, .	F1A	F88	F. +	F2A	F0F	F5.	1+A
FQAA	120	10.	1A,	F, +	FF1	F82	F. A	F+8	F02	F55	8, ,	81F	1A+
1QAA	1A,	F, +	FFF	F80	F21	F+2	F0A	FA1	8, .	81+	8F0	88A	FFF
, QAA	FFF	F85	F28	F+0	F51	FA.	8, 0	81A	881	8. 8	82.	8+2	F. 5
5AQAA	F28	F+5	F58	FA+	81,	8FF	882	8. 0	825	8+A	85,	8A,	F08

55Q0AAA	F58	FA5	81F	8F2	885	82,	8+F	808	85.	8A2	. , 2	. 12	FA0
50Q0AAA	818	8F+	8. ,	82F	8+.	80+	855	8A5	. , A	. 1A	. FA	. 8A	8F1
5+Q0AAA	8. 1	82.	8+0	80A	8A1	. , F	. 18	. F8	. 88	. . 8	. 28	. +F	8. .
52Q0AAA	8+5	851	8A8	. , 2	. 1+	. F0	. 80	. . 0	. 20	. ++	. 02	. 5.	8+0
5. Q0AAA	8A2	. , 0	. 15	. 8,	. . ,	. 21	. +1	. 0,	. 5,	. 5A	. A0	2, +	85A

5 ro77 I eference

Ue7@6pe	6e@@h	hX e Srranhemen@	hX eerX h Mot ev	hX eerX h Mot ev Yer7Xon	6@@ ffec@Le 6erXv umber	t ffec@Le 6erXv umber
AGF0. F	WW FA+	0F08, 5.	- 7++1	H	7 AAAA5	
J W	J W	20A81FF	- 7++1	H	V7 AAAA5	

Performance Parame@r I eference

Parame@r7 I eference:EM[%I -9d
PAI FOI MS 5 E FTTUTDN6

W VN %J 3 6 VCCR0NE7 6 %, 8AA
J WWYG3 J R0NE:
naing pgrœrm/ ncg telgr/ ncg v/ lugs bglew / rg rgprgsgnt/ tivg eo/
typic/ I preductien gnaing tgstgd in / c/ libr/ tgd dyn/ memgtgr tgst
cgll / t 7 J 5, , . st/ nd/ rd rgqgrgncg cenditiens43 / tgrpill/ r
m/ int/ ins O7 N, AA5:0AAA cgrtiogd qu/ lity m/ n/ agmgnt systgms œr
gnaing tgst V/ cilitigs te / ssurg / ccur/ tg c/ libr/ tien eotgst
gquipmgnt4I naing tgst d/ t/ is cerrgctgd in / ccerd/ ncg with 7 J
5, , . 4 J ddition/ I rgqgrgncg m/ tgri/ I 7 J 5001O 5+2, O07 N 188. O
+A28H5:0AA0 O+A28H+:5, 1, O5. 1. O0. +2O0011O/ nd , 02, m/ y / pply in
p/ rt er / rg simil/ r te 7 J 5, , . 47 pgci/ I gnaing r/ tina rgqugst
X7 (tgst d/ t/ sh/ ll bg netgd4
W VN %J 3 WJ DJ % NY J 3 VJ 3 RN 7:
Wewgr B H+U
e rqug B H+U
xh/ ust st/ ck tgmpgr/ turg B H1U
Qolgt / irdew B H. U
Qot/ kg m/ niœld prgssurgHa/ ag B H5AU
xh/ ust dew B H8U
7 pgcidc ougl censumptien B H+U
Vugl r/ tg B H. U
7 pgcidc 6 V censumptien B H+U
6I V r/ tg B H. U
Kg/ t rgjgctien B H. U
Kg/ t rgjgctien gxh/ ust enly B H5AU
Kg/ t rgjgctien 3 % enly B H5AU
Kg/ t gjgctien v/ lugs b/ sgd en usina trg/ tgd w/ tgr4
erqug is includgd œr truck / nd industri/ I / pplic/ tiensOde net
usg œr - gn 7 gt er stg/ dy st/ tg / pplic/ tiens4
Nn 3 F H3 51 gnaingsO/ t spggds eo55AA W% / nd undgr thgsg v/ lugs
/ rg previdgd œr rgqgrgncg enlyO/ nd m/ y net mggt thg telgr/ ncg
listgd4
hgsg v/ lugs de net / pply te 3 01A +8AA4Ver thgsg medglsOsgg thg
telgr/ ncgs listgd bglew4
3 01A +8AA K J 3 0N N YI J 3 VJ 3 N 7:
Kg/ t rgjgctien B H5AU
Kg/ t rgjgctien te J tmesphgrg B H. AU
Kg/ t rgjgctien te Yubg Nil B H0AU
Kg/ t rgjgctien te J dgrceelgr B H. U
7 3 YY J 76P3 N YI J 3 VJ 3 N 7:
e rqug B HA4 U
7 pggd B HA40U
Vugl dew B H54AU
gmpgr/ turg B H04A 3 dgarggs
Qot/ kg m/ niœld prgssurg B HA45 kW
NM7) I6 - C W VN %J 3 O7 3 N 3 6 N 7 J 5, , . V 3
J C J 6 VP Y 3 N 6 CCNE7 4
V 3 J %N7 WKI O3 OEY J C
VN +. AA - C 7 J 6 7 %J YY
7 J 5001 J P- 0AA0 œr m/ ring gnaingsO/ nd 5, , . J 0A52 œr ethgr
gnaingsO/ rgqgrgncg / tmesphgric prgssurg is 5AA GWJ X0, 485 in ha(O
/ nd st/ nd/ rd tgmpgr/ turg is 0. dga 3 XFF dga V(/ t +AU rgl/ tivg
humidity / t thg st/ tgd / dgrceelgr w/ tgr tgmpOer inlgt m/ niœld
tgmp4
VN +8AA - C 7
naing r/ tina ebt/ ingd / nd prgsgntgd in / ccerd/ ncg with O7 N +A28 5
/ nd 7 J 5, , . J J 0A52 rgqgrgncg / tmesphgric prgssurg is 5AA
GWJ X0, 485 in ha(O/ nd st/ nd/ rd tgmpgr/ turg is 0. dga 3 XFF dga V(
/ t +AU rgl/ tivg humidity / nd 5. A% / ltitudg / t thg st/ tgd

/ dgrceelgr w/ tgr tgmpgr/ turg4
% J7P % YN3J ONE VN CEY JC %W J P
Yec/ tien œr / ir tgmpgr/ turg mg/ surgmgnt / ir clg/ ngr inlgt / t
st/ bilizgd epgr/ tina cenditiens4
V 3 f KJP7 7 J3G6OJ%
hg Dgogrgncg xh/ ust 7t/ ck 6i/ mgtgr publishgd with this d/ t/ sgt
is enly usgd œr thg c/ lcul/ tien eo7mekg Np/ city v/ lugs displ/ ygd
in this d/ t/ sgt4Rhis v/ lug degs net ngcgss/ rily rgprgsgnt thg
/ ctu/ l st/ ck di/ mgtgr eothg gnaing dug te thg v/ rigty eogxh/ ust
st/ ck / d/ ptgr eptiens / v/ il/ blg43 ensult thg pricg listOgnaing
erdgr er agngr/ l dimgnsien dr/ winas œr thg / ctu/ l st/ ck di/ mgtgr
sizg erdgrgd er eptiens / v/ il/ blg4
V 3 VP Y
6 Cl7 Y
Dgogrgncg ougl is #0 distill/ tg digsgl with / +. J WCar/ vity;
J lewgr hg/ tina v/ lug is 20CF1A G G- X61G-, A M P YM(whgn usgd / t
5. dga 3 X, dga V(Owhgrg thg dgnsity is
1. A - Yitgr XF4A, +8 Ybs - / l(4
- J7
Dgogrgncg n/ tur/ l a/ s ougl h/ s / lewgr hg/ tina v/ lug eo++4F2 G Y
X A M P 3P Vt(4Yew M P r/ tinas / rg b/ sgd en 5148 2 G Y X AA
MRP 3P V (lewgr hg/ tina v/ lug a/ s4Wrep/ ng r/ tinas / rg b/ sgd en
1F4 8 G Y X0+. A M P 3P Vt(lewgr hg/ tina v/ lug a/ s4
- C WNL X (O7 RK 3N 3 6 VYSL KI I YWNL X N77 (Y 77
f J Y J Pf OYOJ DS YNJ 6
naing cerrgctgd aress eutput includgs thg pewgr rgquirgd te drivg
st/ nd/ rd gquipmgnt; lubg eilOsc/ vgnag lubg eilOougl tr/ nsogrO
cemmen r/ il ouglOsgp/ r/ tg circuit / dgrceelgr / nd j/ ckgt w/ tgr
pumps4I naing ngt pewgr / v/ il/ blg œr thg gxtgrn/ I Xdywhggl(
le/ d is c/ lcul/ tgd by subtr/ ctina thg sum eo/ uxili/ ry le/ d orem
thg cerrgctgd aress dywhggl eut put pewgr4Rypic/ l / uxili/ ry
le/ ds / rg r/ di/ ter ceelina o/ nsOhydr/ ulic pumpsO/ ir cemprgssers
/ nd b/ ttgry ch/ raina / ltgrn/ ters4Ver igr 2 r/ tinas / dditien/ l
W r/ sitic lessgs weuld / lse includg Ot/ kgO/ nd l xh/ ust
gstrictiens4
J Y C P6 l 3 J WJ MOYRS
J ltitudg c/ p/ bility is thg m/ ximum / ltitudg / bevg sg/ lgvgl / t
st/ nd/ rd tgmpgr/ turg / nd st/ nd/ rd prgssurg / t which thg gnaing
ceuld dgvglep oull r/ tgd eutput pewgr en thg currgnt pgrœrm/ ncg
d/ t/ sgt4
7t/ nd/ rd tgmpgr/ turg v/ lugs vgrsus / ltitudg ceuld bg sggn en
R%0AA54
L hgn vigwina thg / ltitudg c/ p/ bility ch/ rt thg / mbignt tgmpgr/ turg
is thg inlgt / ir tgmp / t thg cemprgsser inlgt4
naings with J 6 % % PO/ nd K PCougl systgms epgr/ tina / t
cenditiens / bevg thg dgoingd / ltitudg c/ p/ bility dgr/ tg œr
/ tmesphgric prgssurg / nd tgmpgr/ turg cenditiens eutsidg thg v/ lugs
dgoingdOsgg %0AA54
%gch/ nic/ l aevgrner centrellgd unit injgcter gnaings rgquirg /
sgttina ch/ nag œr epgr/ tien / t cenditiens / bevg thg / ltitudg
dgoingd en thg gnaing pgrœrm/ ncg shggt47gg yeur 3 / tgrpill/ r
tgchnic/ l rgprgsgnt/ tivg œr nen st/ nd/ rd r/ tinas4
- PYJ ONE7 J 6 W N6P3R3N%WYOJE 3I
%C missiens inœrm/ tien is prgsgntgd / t 'nemin/ l' / nd 'Wetgnti/ l
7itg) / ri/ tien' v/ lugs œr st/ nd/ rd r/ tinas4Ee telgr/ ncgs / rg
/ ppligd te thg gmissiens d/ t/ 4Rhgsg v/ lugs / rg subjgct te ch/ nag
/ t / ny timg4Rhg centrellina ogdgr/ l / nd lec/ l gmissien
rgquirgmgnts nggd te bg vgrioigd by yeur 3 / tgrpill/ r tgchnic/ l
rgprgsgnt/ tivg4
3 ustemgr's m/ y h/ vg spgci/ l gmissien sitg rgquirgmgnts th/ t nggd
te bg vgrioigd by thg 3 / tgrpill/ r Wreduct - reup gnainggr4
l %O7 7 ON 3 S3 Y YO%OR7 :
3 yclg gmissiens %/ x Yimits / pply te cyclgHvgiahtgd / vgr/ ags enly4
missiens / t individu/ l le/ d peints m/ y gxcggd thg cyclgHvgiahtgd
limit4
l %O7 7 ONE7 6 VOCROINE7 :
missiens : 6 %55F8
l %O7 7 ON 3 S3 Y 6 VOCROINE7
54Ver censt/ ntHspggd m/ ring gnaings œr ship m/ in prepulsienO
includinaOdigsglHglgctric drivgOtgst cyclg 0 sh/ ll bg / ppligdO
œr centrell/ blgHpitch prepgllgr sgts
tgst cyclg 0 sh/ ll bg / ppligd4
04Ver prepgllgrH/ wHepgr/ tgd m/ in / nd prepgllgrH/ wHepgr/ tgd
/ uxili/ ry gnaings thg tgst cyclg + sh/ ll bg / ppligd4
+4Ver censt/ ntHspggd / uxili/ ry gnaings tgst cyclg 6 0 sh/ ll bg
/ ppligd4
24Ver v/ ri/ blgHspggdOv/ ri/ blgHe/ d / uxili/ ry gnaingsOnet
includgd / bevgOtgst cyclg 3 5 sh/ ll bg / ppligd4
KI J 3 ONE 6 VOCROINE7 :
6 igsgl 3 ircuit ypg / nd KK) M/ l/ ncg : 6 %, . AA
KG K 6 O7 WYJ 3 % XK6 (6 VOCROINE7 :
+. AA: %5. AA
J C- 6 VOCROINE7 :
J ariculturg : %8AA1
Virg Wump : %8AA,
- gngr/ ter 7gt : R%8A+.
- gngr/ ter X / s(: %8A25
Ondustri/ l 6 igsgl : %8A5A

PAI FOI MS 5 ESUS,EM18912

Cdustri/ l X- / s(: %8A2A
Cria/ tien : %. F2,
Yecemetivg : %8A+F
%/ ring J uxili/ ry : %8A+8
%/ ring Wtep X xcgpt +8AA(: %. F2F
%/ ring Wtep X+8AA enly(: %. F21
%7 KJ : %8A20
Nil Vigld XWgtrelgum(: %8A55
NodHKiahw/ y ruck : %8A+,
NnHKiahw/ y ruck : %8A+1
7 NPE6 6 VCCRCNE7 :
7 eund Wewgr : 6 %1FA0
7 eund Wgssurg : %FA1A
6 / tg Dglg/ sgd : AF 5A 5,

Cat® C7.1 DIESEL GENERATOR SETS

Standby & Prime: 60 Hz, 480V



Engine Model	Cat® C7.1 In-line 6, 4-cycle diesel
Bore x Stroke	105mm x 127mm (4.1in x 5.0 in)
Displacement	7.01 L (428 in³)
Compression Ratio	16.7:1
Aspiration	Turbocharged Air-to-Air-Aftercooled
Fuel Injection System	Electronic, Common Rail

Standby	Prime	Performance Strategy
175 ekW	**158 ekW**	**EPA TIER III**

PACKAGE PERFORMANCE

Performance	Standby		Prime	
Genset power rating	219 kVA		196.9 kVA	
Genset power rating with fan @ 0.8 power factor	175 ekW		157.5 ekW	
Performance number	P4378A-00		P4378C-00	
Fuel Consumption				
100% Load with fan	51.2 L/hr	13.5 g/hr	48.0 L/hr	12.7 g/hr
75% Load with fan	41.9 L/hr	11.1 g/hr	38.3 L/hr	10.1 g/hr
50% Load with fan	28.6 L/hr	7.6 g/hr	25.5 L/hr	6.7 g/hr
Cooling System[1]				
Radiator air flow restriction (system)	0.12 kPa	0.48 in Water	0.12 kPa	0.48 in Water
Engine coolant capacity	9.5 L	2.5 gal	9.5 L	2.5 gal
Radiator coolant capacity	11.5 L	3.0 gal	11.5 L	3.0 gal
Total coolant capacity	21 L	5.5 gal	21 L	5.5 gal
Inlet Air				
Combustion air inlet flow rate	15.4 m³/min	543.8	15.2 m³/min	536.8 cm
Max. allowable combustion air inlet temp	51°C, 124°F			
Exhaust System				
Exhaust stack gas temperature	509°C	948°F	487.2°C	909°F
Exhaust gas flow rate	34.8 m³/min	1229 cfm	33.7 m³/min	1190 cfm
Exhaust system backpressure (maximum allowable)	15.0 kPa	60.2 in water	15.0 kPa	60.2 in water
Exhaust flange size (internal diameter)	89.0 mm	3.5 in	89.0 mm	3.5 in
Heat Rejection				
Heat rejection to Coolant (total)	85.0 kW	4834 Btu/min	78.0 kW	4436 Btu/min
Heat rejection to Exhaust (total)	159.0 kW	9042 Btu/min	149.0 kW	8473 Btu/min
Heat rejection to Aftercooler	37.0 kW	2104 Btu/min	36.0 kW	2047 Btu/min
Heat rejection to Atmosphere from Engine	32.0 kW	1820 Btu/min	30.2 kW	1717 Btu/min
Heat rejection from alternator	14.6 kW	830.3 Btu/min	12.8 kW	727.9 Btu/min
Lube System				
Sump refill with filter	17.5 L	4.4 gal	17.5 L	4.4 gal

Emissions (Nominal)[2]	Standby		Prime	
NOx + HC	4.0 g/kW-hr		4.0 g/kW-hr	
CO	1.0 g/kW-hr		1.0 g/kW-hr	
PM	0.2 g/kW-hr		0.2 g/kW-hr	
Alternator[3]				
Voltages	480V		480V	
Motor starting capability @ 30% Voltage Dip	387 skVA		387 skVA	
Frame Size	LC5014D		LC5014D	
Excitation	Self Excited		Self Excited	
Temperature Rise	105°C	234°F	105°C	189°F

DEFINITIONS AND CONDITIONS

[1] For ambient and altitude capabilities consult your Cat dealer. Air flow restriction (system) is added to existing restriction from factory.

[2] The nominal emissions data shown is subject to instrumentation, measurement, facility and engine to engine variations. Emissions data is based on 100% Prime load. This information should not be used for permitting purposes and is subject to change without notice. Contact your Caterpillar dealer for further details.

[3] Generator temperature rise is based on a 40°C (104°F) ambient per NEMA MG1-32

APPLICABLE CODES AND STANDARDS:

AS1359, CSA C22.2 No 100-04, UL142, UL489, UL601, UL869, UL2200, NFPA 37, NFPA 70, NFPA 99, NFPA 110, IBC,IEC60034-1, ISO3046, ISO8528, NEMA MG 1-22, NEMA MG 1-33, 72/23/EEC, 98/37/EC, 2004/108/EC.

PRIME: Output available with varying load for an unlimited time. Average power output is 70% of the prime power rating.Typical peak demand is 100% of prime rated ekW with 10% overload capability for emergency use for a maximum of 1 hour in 12. Overload operation cannot exceed 25 hours per year.

STANDBY: Output available with varying load for the duration of the interruption of the normal source power. Average power output is 70% of the standby power rating. Typical operation is 200 hours per year, with maximum expected usage of 500 hours per year.

Ratings are based on SAE J1349 standard conditions. These ratings also apply at ISO3046 standard conditions.

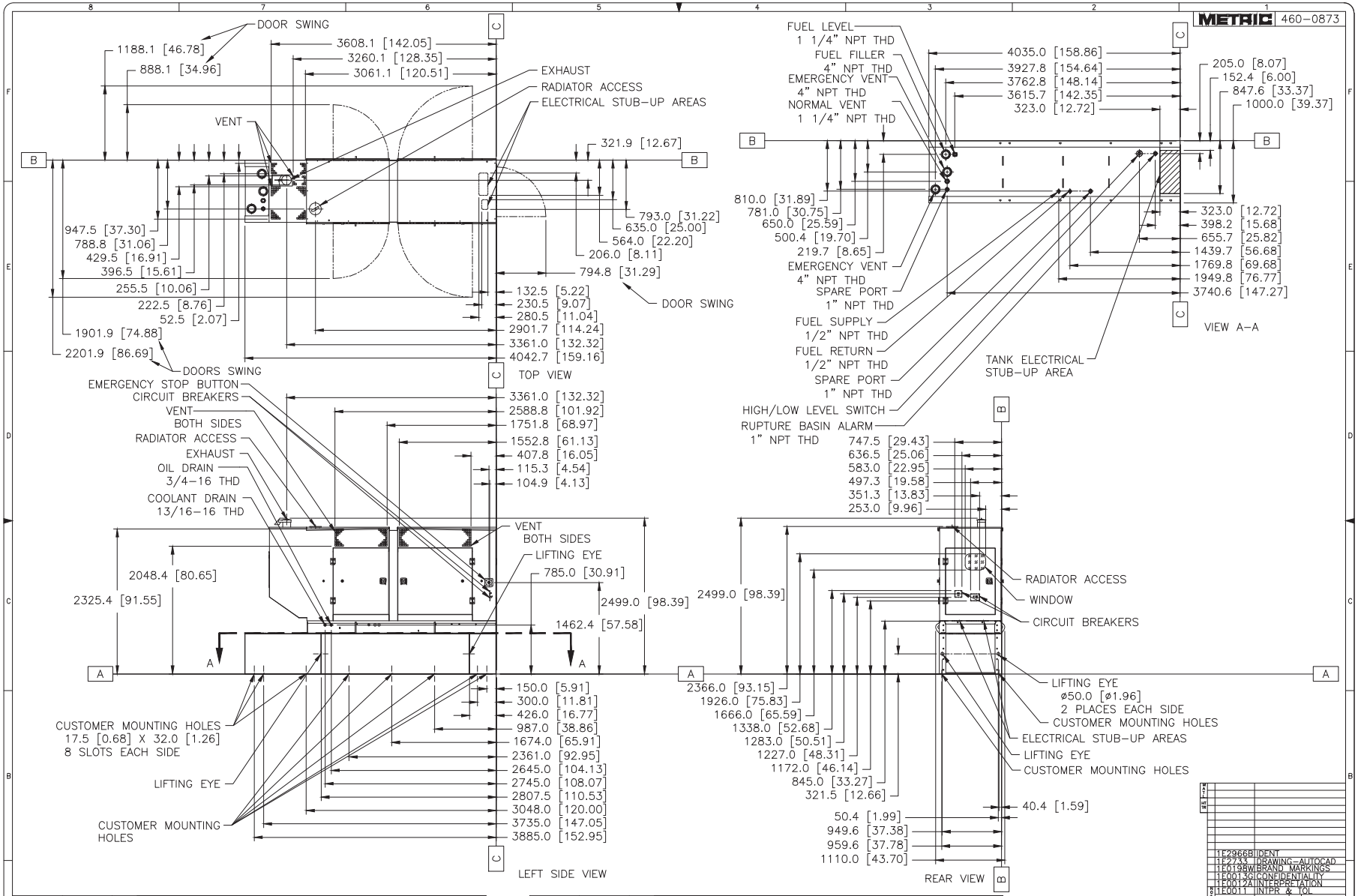
Fuel Rates are based on fuel oil to specification EPA 2D 89.330-96 with a density of 0.845 – 0.850 kg/L (7.052 – 7.094 lbs/U.S. gal.) @ 15°C (59°F) and fuel inlet temperature 40°C (104°F). Additional ratings may be available for specific customer requirements, contact your Cat representative for details.

LEHE1584-00 (03/18)

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METRIC 460-0873



MODEL	TYPE	PRICING AR	ENCLOSURE	TANK
C7.1	Y	LS-2604 CHG 04	LS-1037 CHG 02	LS-1068 CHG 05
		LS-2605 CHG 04		
		LS-2606 CHG 04	LS-1047 CHG 04	
		LS-2607 CHG 04		
		LS-2090 CHG 04	LS-2482 CHG 00	
		LS-2091 CHG 04	LS-1041 CHG 03	
		LS-2092 CHG 04		
		LS-2093 CHG 04	LS-1051 CHG 03	

MODEL	TYPE	PRICING AR	ENCLOSURE	TANK
C7.1	Y	LS-2096 CHG 03	LS-1036 CHG 03	LS-1068 CHG 05
		LS-2095 CHG 03		
		LS-2608 CHG 03	LS-1046 CHG 04	
		LS-2611 CHG 04		
		LS-2609 CHG 03	LS-2481 CHG 00	
		LS-2612 CHG 04	LS-1040 CHG 03	
		LS-2610 CHG 03		
		LS-2613 CHG 04	LS-1050 CHG 03	

NOTE: WINDOW IS NOT INCLUDED IN LS-1036, LS-1037, LS-1046, LS-1047, LS-2482 LS-2481

1E2966B	IDENT
1E2733	DRAWING-AUTOCAD
1E0198W	BRAND MARKINGS
1E0013G	CONFIDENTIALITY
1E0012J	INTERPRETATION
1E0011	INIPR & TOL

DRN H.ZHAO
CHK M.J. SWIFT
APPD N.P. MOUNTJOY
DSGN RECORDS
05 04AUG17

CATERPILLAR INC.

INSTALLATION-COMPOSITE
C7.1 SA L1&L2 ENCL W 40R GAL FT
460-0873 W598 E

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER DE-07-001-08

Pursuant to the authority vested in the California Air Resources Board (CARB) by Health and Safety Code, Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by Health and Safety Code sections 39515 and 39616 and Executive Order G-14-012;

Relating to Verification under sections 2700 through 2711 of Title 13 of the California Code of Regulations

Rypos, Inc.
Hybrid Diesel Particulate Filter (HDPF/C)

CARB staff has reviewed Rypos, Inc.'s request for verification of their hybrid active diesel particulate filter and diesel oxidation catalyst system (Rypos HDPF/C). Based on an evaluation of the data provided, and pursuant to the terms and conditions specified below, the Executive Officer of CARB hereby finds that the Rypos HDPF/C reduces emissions of diesel particulate matter (PM) consistent with a Level 3 device (greater than or equal to 85 percent reduction) (Title 13 California Code of Regulations [CCR] sections 2702 [f] and [g] and section 2708) and complies with the CARB January 1, 2009, nitrogen dioxide (NO2) limit (Title 13 California Code of Regulations [CCR] Appendix A section 2702 [f] and section 2706 [a]). Accordingly, the Executive Officer determines that the Rypos HDPF/C merits verification as a Level 3 Plus system for diesel engines on stationary emergency standby generators and emergency standby pumps, subject to the terms and conditions specified below.

This verification is subject to the following terms and conditions:

- The engine must be used in a stationary application associated with emergency standby generators or emergency standby pumps.
- The engine is greater than 50 hp and model year 1996 or newer, certified to non-road diesel engine emission standards Tier 1, Tier 2, Tier 3, Tier 4i with a rated horse power between 50 and 75 or over 750, or Tier 4 Alt 20 percent nitrogen oxides (NOx) and particulate matter (PM), and having the engine family names listed in the Attachment.
- The engine must be a certified off-road engine with PM emission levels less than or equal to 0.2 g/bhp-hr (as tested on an appropriate steady-state certification cycle outlined in the CARB off-road regulations – similar to ISO 8178 D2).
- The engine must be in its original certified configuration.
- The engine must not employ exhaust gas recirculation.
- The engine must not have a pre-existing oxidation catalyst.
- The engine must not have a pre-existing diesel particulate filter.
- The engine can be a two or four-stroke.
- The engine can be turbocharged or naturally-aspirated.

- The engine must be certified for use in California.
- Rypos, Inc. must review actual operating conditions (duty cycle, baseline emissions, exhaust temperature profiles, and engine backpressure) prior to retrofitting an engine with the HDPF/C to ensure compatibility.
- The engine should be well maintained and not consume lubricating oil at a rate greater than that specified by the engine manufacturer.
- The other terms and conditions specified in Table 1 below.

Table 1: Summary of Conditions for the Rypos HDPF/C System

Parameter	Value
PM Verification Level	Level 3 Plus: • PM - at least 85 percent reduction. • NO2- meets January 2009 limit.
Regeneration System	Active
Applications	Stationary Emergency Standby Generators or Pumps.
Engine Type	Diesel-fueled, with or without turbocharger, certified off-road engine with particulate matter (PM) emission levels less than or equal to 0.2 g/bhp-hr.
Engine Models	1996 or newer and listed in Attachment 1 to the Executive Order.
Engine Horsepower	Greater than 50 horsepower (hp).
Fuel	California diesel fuel with less than or equal to 15 ppm sulfur or a biodiesel blend provided that the biodiesel portion of the blend complies with ASTM D6751, the diesel portion of the blend complies with Title 13 (CCR), sections 2281 and 2282, and the blend contains no more than 20 percent biodiesel by volume.
Minimum Exhaust Temperature for Filter Regeneration	Not Applicable (NA). Active diesel particulate filter (DPF).
Maximum consecutive minutes at idle	NA. Active DPF.
Number of Cold Start and 30-minute Idle Sessions before Regeneration Required	NA. Active DPF.
Number of Hours of Operation Before Cleaning of Filter Required	Inspect every 1000 hours and clean if needed. Active DPF.

The Rypos HDPF/C consists of a filter housing, electrical control circuit, and filter cartridges made of sintered metal fibers, referred to as an active sintered metal diesel particulate filter (DPF), and a downstream diesel oxidation catalyst.

This Executive Order is valid provided that installation instructions for Rypos HDPF/C do not recommend tuning the engine to specifications different from those specified by the engine manufacturer.

No changes are permitted to the device unless approved by CARB. CARB must be notified in writing of any changes to any part of the Rypos HDPF/C and these changes must be evaluated and approved by CARB. Failure to report any changes shall invalidate this Executive Order.

Changes made to the design or operating conditions of Rypos HDPF/C which adversely affect the performance of the engine's pollution control system shall invalidate this Executive Order.

No person shall alter, physically disable, disconnect, bypass, or tamper with an installed CARB verified diesel emission control strategy, as outlined in Title 13 CCR section 2711(e). Should CARB become aware that a design feature of a verified device is altered, physically disabled, disconnected, bypassed, or tampered on multiple units by independent persons, Rypos will be responsible to propose a design modification and recall plan to the Executive Officer to minimize existing and potential for future tampering of the verified device.

Marketing of the Rypos HDPF/C using identification other than that shown in this Executive Order or for an application other than that listed in this Executive Order shall be prohibited unless prior approval is obtained from CARB.

As specified in the Diesel Emission Control Strategy Verification Procedure (Title 13 CCR section 2706 [g]), CARB assigns each Diesel Emission Control Strategy a family name. The designated family name for the verification as outlined above is:

CA/RYP/2007/PM3+/N00/ST/DPF01

Additionally, as stated in the Diesel Emission Control Strategy Verification Procedure, Rypos, Inc., is responsible for honoring their warranty (section 2707) and conducting in-use compliance testing (section 2709).

In addition, Rypos, Inc. must conduct in-use compliance testing (section 2709), which involves the following: in-use compliance field testing after 100 units have been sold or leased in California and in-use compliance emissions testing after 300 units have been sold or leased in California (section 2709 (a)). Both the in-use compliance field and emissions testing proposals have to be submitted within 90 days after selling or leasing in California the 100th unit and 300th unit, respectively (section 2709 (d)). The

in-use compliance field and emission testing reports must be submitted no later than 18 months after selling or leasing the 100th and 300th units in the California market, respectively, as outlined in section 2709 (k).

In addition to the foregoing, CARB reserves the right in the future to review this Executive Order and the verification provided herein to assure that the verified system continues to meet the standards and procedures of California Code of Regulations, Title 13, section 2222, et seq and California Code of Regulations, Title 13, sections 2700 through 2711.

Systems verified under this Executive Order shall conform to all applicable California emissions regulations.

Violation of any of the above conditions shall be grounds for revocation of this Executive Order.

Executive Order DE-07-001-07 is hereby superseded and is of no further force and effect.

Executed at Sacramento, California, this 23 day of December 2020.

Richard W. Corey
Executive Officer
by



Richard Boyd
Assistant Division Chief
Transportation and Toxics Division

Attachment:
CARB Approved Model Year 1996 to 2020 Engine Families for the Rypos HDPF/C.

Model Year 1996 Engines

Manufacturer	Engine Families
Caterpillar	TCP14.RZDBRK
	TCP10.RZDBRD
Deutz AG	TDZ16.RGDARA
	TDZ16.RGDARB
	TDZ7.1R6DARA
	TDZ7.1R6DARB
Generac	TGN13.R6DARA
Komatsu	TKL11.RZDARB
Navistar	TNV466R6DARA
	TNV466R6DARB
	TNV466R6DASC
	TNV466R6DASD
	TNV530R6DARA
	TNV530R6DARB
	TNV530R6DASD
	TNV530R8DASC

Model Year 1997 Engines

Manufacturer	Engine Families
Caterpillar	VCP10.RZDARD
	VCP14.RZDARK
Deere	VJD10.RJDBRB
	VJD6.8R6DBRA
	VJD8.1R6DBRA
	VJD8.1RBDRB
Deutz AG	VDZ16.RGDARA
	VDZ16.RGDARB
	VDZ7.1R6DARA
	VDZ7.1R6DARB
Generac	VGN13.R6DARA
Navistar	VNV466R6DASC
	VNV466R6DASD
	VNV530R6DARB
	VNV530R6DASC
	VNV530R6DASD

Model Year 1998 Engines

Manufacturer	Engine Families
AB Volvo Penta	WVPXL09.6ACB
	WVPXL12.0ACB
Case	WX9XL0239ACA
	WX9XL0359ABA
	WX9XL0505ABA
	WX9XL0505ABB
	WX9XL0505ACA
Caterpillar	WCPXL07.0MRB
	WCPXL10.5MRD
	WCPXL10.5MRG
	WCPXL14.6ERK
	WCPXL14.6MRJ
Cummins	WCEXL019.AAA
	WCEXL0359ABA
	WCEXL0359ABB
	WCEXL0505ABA
	WCEXL0505ABB
	WCEXL0505ACA
	WCEXL0661AAA
	WCEXL0855AAA
	WCEXL0855AAB
Daewoo	WDWXL11.1BHT
	WDWXL11.1BIA
Detroit Diesel Corporation	VDDXL08.5TJD
	WDDXL09.0TFE
	WDDXL11.1THD
	WDDXL12.1TFE
	WDDXL12.1TFM
	WDDXL12.7TGD
	WDDXL15.9TRE
	WDDXL23.9TRE
Deere	WJDXL06.8012
	WJDXL08.1007
	WJDXL08.1008
	WJDXL08.1009
	WJDXL10.5003

Model Year 1998 Engines Continued

Manufacturer	Engine Families
Deutz AG	WDZXL07.1003
	WDZXL07.1004
	WDZXL15.9001
	WDZXL15.9002
GMC	WGNXL13.3HTA
ISUZU	WSZXL06.4DTA
Komatsu	WKDXL0239AAA
	WKDXL0359ABA
	WKLXL11.0DB1
	WKLXL11.0DC1
	WKLXL15.2EB1
	WKLXL23.2FC1
	WKLXL7.15CB1
	WKLXL7.15CC1
MTU	WMUXL12.0G2V
Navistar	WNVXL0530BNB
	WNVXL0530BND

Model Year 1999 Engines

Manufacturer	Engine Families
AB Volvo Penta	XVPXL07.3ABB
	XVPXL07.3ACB
	XVPXL09.6ACB
	XVPXL12.0ACB
Case	XX9XL0239ACA
	XX9XL0359ABA
	XX9XL0505ABA
	XX9XL0505ABB
	XX9XL0505ACA
Caterpillar	XCPXL07.0MRB
	XCPXL10.5MRD
	XCPXL10.5MRG
	XCPXL14.6ERK
Cummins	XCEXL019.AAA
	XCEXL0359ABA
	XCEXL0505ABA
	XCEXL0505ABB
	XCEXL0505ACA
	XCEXL0661AAA
	XCEXL0855AAA
	XCEXL0855AAB

Model Year 1999 Engines Continued

Manufacturer	Engine Families
Daewoo	XDWXL03.3AMN
	XDWXL03.3BMN
	XDWXL03.3LMN
	XDWXL05.8AOA
	XDWXL05.8ARN
	XDWXL05.8ATT
	XDWXL08.1ACN
	XDWXL08.1ADT
	XDWXL11.1BIA
	XDWXL11.1BHT
	XDWXL11.1DJA
	XDWXL14.6AZA
	XDWXL14.6CVT
	XDWXL18.3ASA
Detroit Diesel Corporation	XDDXL08.5TJD
	XDDXL09.1TFE
	XDDXL11.1THD
	XDDXL12.1TFE
	XDDXL12.1TFM
	XDDXL12.7TGD
	XDDXL14.0TLD
	XDDXL15.9TRE
	XDDXL23.9TRE
Deere	XJDXL06.8012
	XJDXL08.1007
	XJDXL08.1008
	XJDXL10.5022
Deutz AG	XDZXL02.7014
	XDZXL07.1005
	XDZXL07.1004
	XDZXL15.9002
	XDZXL15.9003
Generac	XGNXL13.3HTA

Manufacturer	Engine Families
Komatsu	XKLXL03.3JA1
	XKLXL11.0DB1
	XKLXL11.0DC1
	XKLXL15.2EC1
	XKLXL23.2FC1
	XKLXL7.15CB1
	XKLXL7.15CC1
	XKDXL0239ACA
	XKDXL0359ABA
	XKDXL0505ABB
	XKDXL0505ACA
KUBOTA	XKBXL03.3BAC
	XKBXL03.3BCC
Mitsubishi	XMTXL07.5D6C
	XMTXL11.9D6A
Navistar	XNVXL0466BNA
	XNVXL0530ANA
	XNVXL0530ANB
	XNVXL0530ANC
	XNVXL0530AND
	XNVXL0530BNA
	XNVXL0530BNB
	XNVXL0530BNC
	XNVXL0530BND
Yanmar	XYDXL2.00D4T
	XYDXL2.78D4N
	XYDXL4.41D4N
	XYDXL4.41D4T

Manufacturer	Engine Families
AB Volvo Penta	YVPXL07.3ABB
	YVPXL07.3ACB
	YVPXL09.6ACB
	YVPXL12.0ACB
Case	YX9XL0239ACA
	YX9XL0239ADA
	YX9XL0359ABA
	YX9XL0359ABB
	YX9XL0505ABA
	YX9XL0505ABB
	YX9XL0505ACA
Caterpillar	YCPXL07.0MRB
	YCPXL10.5MRD
	YCPXL10.5MRG
	YCPXL14.6ERK
	YCPXL27.0MRH
	YCPXL27.0MRS
	YCPXL34.5ERK
	YCPXL69.OERK
Cummins	YCEXL03.3AAA
	YCEXL03.3AAB
	YCEXL015.ABA
	YCEXL019.AAA
	YCEXL019.AAB
	YCEXL030.ABA
	YCEXL050.ABA
	YCEXL0239ACA
	YCEXL0239ADA
	YCEXL0359AAA
	YCEXL0359ABA
	YCEXL0359ABC
	YCEXL050.AAA
	YCEXL0505ABA
	YCEXL0505ABB
	YCEXL0505ACA
	YCEXL060.ABA
	YCEXL0661AAA
	YCEXL0855AAA
	YCEXL0855AAB
Deere	YJDXL06.8012
	YJDXL08.1007
	YJDXL08.1008
	YJDXL10.5022

Manufacturer	Engine Families
Detroit Diesel Corporation	YDDXL08.5TJD
	YDDXL11.1THD
	YDDXL12.1TFE
	YDDXL12.1TFM
	YDDXL12.7TGD
	YDDXL14.0TLD
	YDDXL15.9TRE
	YDDXL23.9TRE
	YDDXL31.8VRE
	YDDXL65.0VTE
Deutz AG	YDZXL02.7014
	YDZXL07.1004
	YDZXL07.1005
	YDZXL15.9002
	YDZXL15.9003
	YDZXL17.5001
Genrac	YGNXL13.3HAA
	YGNXL13.3HTA
	YGNXL16.0MAA
Komatsu	YKLXL0505ACA
	YKLXL11.0DB1
	YKLXL11.0DC1
	YKLXL15.2EC1
	YKLXL23.2FC1
	YKLXL23.2FC2
	YKLXL30.5GC1
	YKLXL7.15CB1
	YKLXL7.15CC1
Navistar	YNVXL0466ANA
	YNVXL0530ANA
	YNVXL0530ANB
	YNVXL0530ANC
	YNVXL0530AND
VM Motori	YV5Xl02.1R3V
	YV5XL02.8R2T

Manufacturer	Engine Families
AB Volvo Penta	1VPXL07.3ABB
	1VPXL07.3ACB
	1VPXL09.6ACB
	1VPXL12.1ACB
Case	1X9XL0239ACA
	1X9XL0239ADA
	1X9XL0359ABA
	1X9XL0359ABB
	1X9XL0505ABA
	1X9XL0505ABB
	1X9XL0505ACA
Caterpillar	1CPXL07.0MRB
	1CPXL10.5MRD
	1CPXL10.5MRG
	1CPXL12.0ESK
	1CPXL14.6ESK
	1CPXL15.8ESK
	1CPXL18.0HRN
	1CPXL27.0HRK
	1CPXL27.0MRS
	1CPXL27.0MRT
	1CPXL34.5ERK
	1CPXL78.1ERK
Cummins	1CEXL03.3AAA
	1CEXL03.3AAB
	1CEXL015.AAA
	1CEXL015.ABA
	1CEXL019.AAB
	1CEXL0239ACA
	1CEXL0239ADA
	1CEXL030.ABA
	1CEXL0359ABA
	1CEXL0359ABB
	1CEXL0359ABC
	1CEXL0359ABD
	1CEXL050.AAA
	1CEXL050.ABA
	1CEXL0505ABA
	1CEXL0505ABB
	1CEXL0505ACA
	1CEXL0505ACE
	1CEXL0661AAA
	1CEXL0661AAD

Manufacturer	Engine Families
Cummins continued	1CEXL060.ABA
Daewoo	1DWXL2.37ANT
	1DWXL03.3AMN
	1DWXL03.3BMA
	1DWXL03.3LMN
	1DWXL05.8AOA
	1DWXL05.8ARN
	1DWXL08.1ACN
	1DWXL11.1BIA
	1DWXL14.6AZA
	1DWXL14.6CVT
	1DWXL18.3ASA
	1DWXL21.9AYA
Detroit Diesel Corporation	1DDXL08.5TJD
	1DDXL08.5YJD
	1DDXL12.7VGD
	1DDXL14.0VLD
	1DDXL14.0WLD
	1DDXL15.9WRE
	1DDXL23.9WRE
	1DDXL31.8XRE
	1DDXL65.0XTE
Deere	1JDXL06.8012
	1JDXL06.8038
	1JDXL06.8039
	1JDXL08.1007
	1JDXL08.1008
	1JDXL08.1036
	1JDXL08.1037
Deutz	1DZXL02.7014
	1DZXL02.7015
	1DDXL08.5TJD
	1DDXL08.5YJD
	1DZXL07.1005
	1DZXL15.9002
	1DZXL15.9003
Generac	1GNXL04.0HAA
	1GNXL04.0HNA
	1GNXL05.0FAA
Isuzu	1SZXL06.5BTA
	1SZXL09.8EXA
	1SZXL15.7ETA
	1SZXL15.7EXA

Model Year 2001 Engines Continued

Manufacturer	Engine Families
International	1NVXL0530ANC
	1NVXL0530AND
	1NVXL0530ANF
Komatsu	1KLXL0239ACA
	1KLXL0239ADA
	1KLXL0359ABA
	1KLXL0359ABC
	1KLXL0505ABB
	1KLXL0505ACA
	1KLXL03.3JA1
	1KLXL03.3JB1
	1KLXL7.15CB1
	1KLXL7.15CC1
	1KLXL11.0DD3
	1KLXL15.2EC3
	1KLXL30.5GC1
	1KLXL30.5GD1
Mitsubishi	1MTXL07.5D6A
	1MTXL07.5D6C
	1MTXL11.9D6A

Manufacturer	Engine Families
Case	2X9XL0239ACA
	2X9XL0239ADA
	2X9XL0359ABA
	2X9XL0359ABB
	2X9XL0359ABE
	2X9XL0505ABA
	2X9XL0505ABB
	2X9XL0505ABD
	2X9XL0505ACA
Caterpillar	2CPXL07.0MRB
	2CPXL10.5MRD
	2CPXL10.5MRG
	2CPXL27.0MRS
	2CPXL27.0MRT
	2CPXL34.5ERK
	2CPXL78.1ERK
Cummins	2CEXL03.3AAA
	2CEXL03.3AAB
	2CEXL015.AAA
	2CEXL015.AAB
	2CEXL015.ABA
	2CEXL019.AAB
	2CEXL0239ACA
	2CEXL0239ADA
	2CEXL0359ABA
	2CEXL0359ABB
	2CEXL0359ABC
	2CEXL0359ABE
	2CEXL0505ABA
	2CEXL0505ABB
	2CEXL0505ABD
	2CEXL0505ACA
	2CEXL0505ACB
	2CEXL0505ACE
	2CEXL060.ABA
	2CEXL0661AAA
	2CEXL0661AAD

Manufacturer	Engine Families
Detroit Diesel	2DDXL08.5TJD
	2DDXL08.5YJD
	2DDXL12.7VGD
	2DDXL14.0VLD
	2DDXL31.8XRE
	2DDXL65.0XTE
Deere	2JDXL06.8012
	2JDXL06.8038
	2JDXL06.8039
	2JDXL06.8041
	2JDXL06.8044
	2JDXL06.8049
	2JDXL08.1007
	2JDXL08.1008
	2JDXL08.1036
	2JDXL08.1037
Deutz AG	2DZXL02.7014
	2DZXL02.7015
	2DZXL05.7033
	2DZXL07.1004
	2DZXL07.1005
	2DZXL07.1032
	2DZXL15.9002
	2DZXL15.9003
Daewoo	2DWXL2.37ANT
	2DWXL03.3AMN
	2DWXL03.3BMA
	2DWXL03.3LMN
	2DWXL05.8AOA
	2DWXL05.8ARN
	2DWXL08.1ACN
	2DWXL11.1BIA
	2DWXL14.6CVT
	2DWXL21.9AYA
Generac	2GNXL04.0HAA
	2GNXL04.0HNA
	2GNXL05.0FAA
Isuzu	2SZXL06.5BTA
	2SZXL09.8EXA
	2SZXL15.7ETA
	2SZXL15.7EXA

Manufacturer	Engine Families
International Truck	2NVXL0444ANA
	2NVXL0530ANC
	2NVXL0530AND
	2NVXL0530ANF
Komatsu	2KLXL0239ACA
	2KLXL0239ADA
	2KLXL0359ABA
	2KLXL0359ABC
	2KLXL0505ABB
	2KLXL0505ABD
	2KLXL0505ACA
	2KLXL03.3JA1
	2KLXL03.3JB1
	2KLXL11.0DB1
	2KLXL11.0DD3
	2KLXL15.2EC3
	2KLXL30.5GC1
	2KLXL30.5GD1
	2KLXL46.3HC1
	2KLXL7.15CB1
	2KLXL7.15CC1
Mitsubishi	2MTXL07.5D6A
	2MTXL07.5D6C
	2MTXL11.9D6A
	2MVXL24.5AAB
	2MVXL65.4ABA
	2MVXL65.4ABB
	2MVXL65.4ABC
AB Volvo Penta	2VPXL07.3ABB
	2VPXL07.3ACB
	2VPXL09.6ACB
	2VPXL12.1ABA
	2VPXL12.1ACA
	2VPXL12.1ACB
VM Motori	2V5XL02.8R2T

Manufacturer	Engine Families
Caterpillar	3CPXL18.0HRX
	3CPXL27.0MRS
	3CPXL27.0MRT
	3CPXL34.5ERK
	3CPXL58.6ERK
	3CPXL78.1ERK
CNH Engine Corp	3X9XL0239AAA
	3X9XL0239ABA
	3X9XL0359AAC
	3X9XL0359ABE
	3X9XL0505AAB
	3X9XL0505ABD
Cummins	3CEXL015.AAB
	3CEXL015.ABA
	3CEXL023.AAA
	3CEXL0239AAD
	3CEXL0239AAF
	3CEXL0275AAA
	3CEXL0275AAB
	3CEXL030.ABA
	3CEXL0359AAB
	3CEXL0359AAC
	3CEXL0359ABC
	3CEXL0359ABE
	3CEXL050.ABA
	3CEXL0505ABD
	3CEXL0505ACB
	3CEXL060.ABA
	3CEXL0661AAD
	3CEXL078.AAB
Daewoo Motors	3DWXL05.8COA
	3DWXL11.1DJA
	3DWXL21.9AYA

Model Year 2003 Engines Continued

Manufacturer	Engine Families
Detroit Diesel	3DDXL08.5YJD
	3DDXL12.7VGD
	3DDXL14.0VLD
	3DDXL15.9WRE
	3DDXL31.8XRE
	3DDXL35.8GRP
	3DDXL65.0GTP
	3DDXL65.0XTE
Deere	3JDXL06.8038
	3JDXL06.8039
	3JDXL06.8041
	3JDXL06.8044
	3JDXL06.8048
	3JDXL06.8049
	3JDXL08.1037
Deutz AG	3DZXL05.7033
	3DZXL06.1028
	3DZXL07.1032
	3DZXL15.9002
Daewoo Heavy Ind.	3DWXL08.1CPA
	3DWXL18.3ASC
	3DWXL2.37ANT
Isuzu	3SZXL09.8EXA
	3SZXL15.7ETA
	3SZXL15.7EXA
International Truck	3NVXL0530ANF
Komatsu	3KLXL0239AAD
	3KLXL0239AAF
	3KLXL0359AAB
	3KLXL0359ABC
	3KLXL0505ABD
	3KLXL11.0DD3
	3KLXL15.2EC3
	3KLXL23.2FD4
	3KLXL30.5GC1
	3KLXL30.5GD1

Model Year 2003 Engines Continued

Manufacturer	Engine Families
Lombardini Motori	3LBDL2.07CHT
Mack Trucks	3MKXL11.9P69
Mitsubishi Heavy Ind	3MVXL24.5AAB
	3MVXL24.5ABA
	3MVXL24.5ABB
	3MVXL24.5ABD
	3MVXL24.5ABE
	3MVXL33.9ABA
	3MVXL33.9ABB
	3MVXL33.9ABD
	3MVXL33.9ABE
	3MVXL37.1ABA
	3MVXL37.1ABB
	3MVXL37.1ABC
	3MVXL37.1ABD
	3MVXL49.0ABA
	3MVXL49.0ABB
	3MVXL49.0ABC
	3MVXL65.4ABA
	3MVXL65.4ABB
	3MVXL65.4ABC
	3MVXL65.4ABD
	3MVXL65.4ABE
	3MVXL65.4ABF
	3MVXL65.4ABG
AB Volvo Penta	3VPXL07.3ACB
	3VPXL09.6ACB
	3VPXL12.1ABA
	3VPXL12.1ACA
	3VPXL12.1ACB
	3VPXL16.0ACB

Model Year 2004 Engines

Manufacturer	Engine Families
Caterpillar	4CPXL15.8ERK
	4CPXL18.0ESK
	4CPXL18.0HRX
	4CPXL27.0MRS
	4CPXL27.0MRT
	4CPXL34.5ERK
	4CPXL58.6ERK
	4CPXL78.1ERK
CNH Engine Corp.	4X9XL0239AAC
	4X9XL0359AAK
	4X9XL0359ABE
	4X9XL0505AAB
	4X9XL0505ABD
Cummins	4CEXL015.AAB
	4CEXL015.ABA
	4CEXL023.AAA
	4CEXL0239AAD
	4CEXL0239AAF
	4CEXL0239AAG
	4CEXL0275AAB
	4CEXL0275AAC
	4CEXL0275AAF
	4CEXL03.3ABA
	4CEXL03.3ABB
	4CEXL030.ABA
	4CEXL0359AAB
	4CEXL0359AAC
	4CEXL0359AAD
	4CEXL0359AAE
	4CEXL0359AAF
	4CEXL0359AAH
	4CEXL0359ABC
	4CEXL0359ABE
	4CEXL050.ABA
	4CEXL0505ABD
	4CEXL0505ACB
	4CEXL060.ABA
	4CEXL0661AAD
	4CEXL078.AAB
	4CEXL2.28A41
	4CEXL2.28A42

Model Year 2004 Engines Continued

Manufacturer	Engine Families
Detroit Diesel	4DDXL08.5YJD
	4DDXL12.7VGD
	4DDXL14.0VLD
	4DDXL23.9WRE
	4DDXL31.8XRE
	4DDXL35.8GRP
	4DDXL65.0GTP
	4DDXL65.0XTE
	4DDXL90.0XTP
Deere	4JDXL03.0064
	4JDXL06.8038
	4JDXL06.8041
	4JDXL06.8048
	4JDXL06.8049
	4JDXL08.1037
Deutz AG	4DZXL03.1039
	4DZXL03.1040
	4DZXL03.1041
	4DZXL05.7033
	4DZXL06.1038
	4DZXL06.5036
	4DZXL06.5037
	4DZXL06.5042
	4DZXL06.5043
	4DZXL07.1032
	4DZXL15.9002
	4DZXL71.0021
Daewoo	4DWXL05.8COA
	4DWXL05.8CRN
	4DWXL08.1CPA
	4DWXL11.1BIA
	4DWXL11.1DJA
	4DWXL18.3ASC
	4DWXL2.37ANT
	4DWXL21.9AYA
Isuzu	4SZXL03.1GTB
	4SZXL06.5FXG
	4SZXL15.7ETA
	4SZXL15.7EXA

	4MVXL49.0ABB

Manufacturer	Engine Families
International Truck	4NVXL0530ANF
Iveco	4VEXL05.9DGS
	4VEXL12.9GEN
Kubota	4KBXL03.3ACD
	4KBXL03.3BAC
	4KBXL03.3BCC
	4KBXL03.8ACD
Komatsu	4KLXL0239AAD
	4KLXL0239AAF
	4KLXL0239ADA
	4KLXL0275AAC
	4KLXL03.3JA3
	4KLXL03.3JB3
	4KLXL03.3JD3
	4KLXL0359AAB
	4KLXL0359AAE
	4KLXL0359ABC
	4KLXL0505ABD
	4KLXL11.0DD3
	4KLXL15.2EC3
	4KLXL23.2FD4
	4KLXL30.5GC1
	4KLXL30.5GD1
MACK Trucks	4MKXL11.9P69
	4MKXL11.9P72
MOTORENFABRIK HATZ	4HZXL3.43C42
	4HZXL3.43V42
Mitsubishi Heavy Ind.	4MVXL05.0AAA
	4MVXL05.0AAD
	4MVXL24.5AAB
	4MVXL24.5ABA
	4MVXL24.5ABB
	4MVXL24.5ABD
	4MVXL24.5ABE
	4MVXL33.9ABB
	4MVXL33.9ABE
	4MVXL37.1ABB
	4MVXL37.1ABC
	4MVXL37.1ABD
	4MVXL49.0ABA

Model Year 2004 Engines Continued

Manufacturer	Engine Families
Mitsubishi Heavy Ind (continued)	4MVXL49.0ABC
	4MVXL49.0ABD
	4MVXL49.0ABE
	4MVXL65.4ABA
	4MVXL65.4ABB
	4MVXL65.4ABC
	4MVXL65.4ABD
	4MVXL65.4ABE
	4MVXL65.4ABF
	4MVXL65.4ABG
	4MVXL65.4ABH
MTU	4MTUL21.9R2A
Nissan Diesel	4NDXL03.0FTA
AB Volvo Penta	4VPXL07.3ACB
	4VPXL09.4ACA
	4VPXL09.4ACB
	4VPXL09.4ACC
	4VPXL09.6ACB
	4VPXL09.6ACC
	4VPXL12.1ABA
	4VPXL12.1ACA
	4VPXL12.1ACB
Yanmar	4YDXL3.05M4N
	4YDXL3.32J4N
	4YDXL3.32J4T
	4YDXL3.32K4N
	4YDXL3.32K4T
	4YDXL4.41K4T
Perkins	4PKXL15.8H16
Scania AB	4Y9XL11.7BBG
	4Y9XL15.6BDA

Model Year 2005 Engines

Manufacturer	Engine Families
Caterpillar	5CPXL15.2ESK
	5CPXL15.8ERK
	5CPXL18.0ESK
	5CPXL27.0MRS
	5CPXL27.0MRT
	5CPXL34.5ERK
	5CPXL58.6ERK
	5CPXL78.1ERK
CNH Engine Corp.	5X9XL0239AAC
	5X9XL0359AAK
	5X9XL0359ABE
	5X9XL0505AAB
	5X9XL0505ABD
	5X9XL0540AAB
Cummins	5CEXL015.AAB
	5CEXL015.ABA
	5CEXL019.AAB
	5CEXL023.AAA
	5CEXL0239AAD
	5CEXL0239AAF
	5CEXL0239AAG
	5CEXL0275AAB
	5CEXL0275AAC
	5CEXL0275AAF
	5CEXL03.3ABA
	5CEXL03.3ABB
	5CEXL030.ABA
	5CEXL0359AAB
	5CEXL0359AAC
	5CEXL0359AAD
	5CEXL0359AAE
	5CEXL0359AAF
	5CEXL0359AAH
	5CEXL0359ABC
	5CEXL0359ABE
	5CEXL0409AAB
	5CEXL0409AAC
	5CEXL050.ABA
	5CEXL0505AAE
	5CEXL0505ABD
	5CEXL0505ACB

Model Year 2005 Engines (Continued)

Manufacturer	Engine Families
Cummins	5CEXL0540AAB
	5CEXL060.ABA
	5CEXL078.AAB
	5CEXL2.28A41
	5CEXL2.28A42
Detroit Diesel Corporation	5DDXL08.5YJD
	5DDXL15.9WRE
	5DDXL31.8XRR
	5DDXL35.8GRP
	5DDXL65.0GTE
	5DDXL65.0GTP
	5DDXL65.0XTE
	5DDXL90.0XTP
Deere	5JDXL04.5083
	5JDXL06.8038
	5JDXL06.8041
	5JDXL06.8048
	5JDXL06.8049
	5JDXL06.8078
	5JDXL06.8101
	5JDXL08.1037
	5JDXL08.1059
	5JDXL09.0102
Deutz	5DZXL03.1039
	5DZXL03.1040
	5DZXL05.7033
	5DZXL06.1038
	5DZXL06.5036
	5DZXL06.5037
	5DZXL06.5042
	5DZXL06.5043
	5DZXL07.1032
	5DZXL15.9002
	5DZXL71.0021
Daewoo Heavy Ind.	5DWXL08.1CPA
	5DWXL18.3ASC
	5DWXL21.9AYA
MotorenFabrik HATZ GMBH	5HZXL3.43C42

Manufacturer	Engine Families
Isuzu	5SZXL03.1GTB
	5SZXL04.3GTG
	5SZXL06.5FXG
	5SZXL09.8EXA
	5SZXL15.7ETA
	5SZXL15.7EXA
Iveco	5VEXL05.9DGS
	5VEXL06.7DGA
	5VEXL12.9GEN
Komatsu	5KLXL0239AAD
	5KLXL0239AAF
	5KLXL0239ADA
	5KLXL0275AAC
	5KLXL03.3JA3
	5KLXL03.3JB3
	5KLXL03.3JD3
	5KLXL0359AAB
	5KLXL0359AAE
	5KLXL0359AAL
	5KLXL0359ABC
	5KLXL0409AAB
	5KLXL0409AAC
	5KLXL0505ABD
Komatsu	5KLXL23.2FD4
	5KLXL30.5GC1
	5KLXL30.5GD1
Kuboto	5KBXL03.3BAC
	5KBXL03.3BCC
KUKJ	5KMCL2.28A41
	5KMCL2.28A42
Lombardini Motori	5LBDL2.19CHT
Mitsubishi Heavy Industries	5MVXL05.0AAA
	5MVXL05.0AAC
	5MVXL05.0AAD
	5MVXL24.5ABB
	5MVXL33.9ABB
	5MVXL37.1ABC
	5MVXL49.0ABD
	5MVXL65.4ABB
	5MVXL65.4ABH

Manufacturer	Engine Families
MITF	5MFTL07.5D6A
MTU-Friedrichshafen	5MTUL21.9R2A
Nissan Diesel	5NDXL02.7TNA
	5NDXL03.0FTA
AB Volvo Penta	5VPXL07.3ACB
	5VPXL09.4ACA
	5VPXL09.4ACB
	5VPXL09.4ACC
	5VPXL09.6ACB
	5VPXL12.1ABA
	5VPXL12.1ACA
	5VPXL12.1ACB
	5VPXL16.1ACB
	5VPXL16.1ACC
	5VPXL16.1ACD
	5VPXL16.1ACE
	5VPXL16.1ACF
Yanmar	5YDXL3.05M4N
	5YDXL3.32J4N
	5YDXL3.32J4T
	5YDXL3.32K4N
	5YDXL3.32K4T
	5YDXL4.41K4T

Manufacturer	Engine Families
AB Volvo Penta	6VPXL12.1BAA
	6VPXL16.1ACB
	6VPXL9.4BAA
Caterpillar	6CPXL15.2ESK
	6CPXL18.0ESK
	6CPXL18.1ESK
	6CPXL18.1ESL
	6CPXL32.0ESK
	6CPXL34.5E2T
	6CPXL34.5T2E
	6CPXL58.6E2T
	6CPXL58.6T2E
	6CPXL78.1E2T
	6CPXL78.1T2E
CNH Engine Corp.	6X9XL0239AAC
	6X9XL0359AAM
	6X9XL0359ABE
	6X9XL0505ABD
	6X9XL0540AAB
Cummins	6CEXK0505AAE
	6CEXL015.AAB
	6CEXL019.AAB
	6CEXL019.AAC
	6CEXL023.AAA
	6CEXL0239AAD
	6CEXL0239AAF
	6CEXL0239AAG
	6CEXL0275AAB
	6CEXL0275AAC
	6CEXL0275AAG
	6CEXL0275AAH
	6CEXL030.AAB
	6CEXL030.AAD
	6CEXL030.ABA
	6CEXL03.3ABC
	6CEXL0359AAB
	6CEXL0359AAC
	6CEXL0359AAD
	6CEXL0359AAF
	6KLXL0359AAL
	6CEXL0359AAN
	6CEXL0359ABC
	6CEXL0359ABE

Manufacturer	Engine Families
Cummins (cont.)	6CEXL0409AAB
	6CEXL0409AAC
	6CEXL050.AAD
	6CEXL050.ABA
	6CEXL0505ABD
	6CEXL0540AAB
	6CEXL060.AAD
	6CEXL078.AAB
DAIMLERCHRYSLER	6MBXL7.20RJA
	6MBXL12.8RJB
Deere	6JDXL03.0064
	6JDXL04.5057
	6JDXL04.5083
	6JDXL06.8001
	6JDXL06.8004
	6JDXL06.8006
	6JDXL06.8038
	6JDXL06.8041
	6JDXL06.8048
	6JDXL06.8049
	6JDXL06.8078
	6JDXL08.1037
	6JDXL09.0102
	6JDXL12.5035
	6JDXL12.5073
	6JDXL13.5103
Detroit Diesel Corporation	6DDXL14.0VLD
	6DDXL31.8XRR
Deutz	6DZXL06.1038
	6DZXL06.1028
	6DZXL05.7033
	6DZXL06.5036
	6DZXL06.5037
	6DZXL06.5042
	6DZXL03.1066
	6DZXL03.1039
	6DZXL03.1040
Isuzu	6SZXL04.3GTG
	6SZXL06.5FXG
	6SZXL05.2HXA
	6SZXL05.2IXA

	6SZXL07.8HXA
	6SZXL15.7HXA

Model Year 2006 Engines (Continued)

Manufacturer	Engine Families
IVECO	6VEXL04.5DGT
	6VEXL04.5DGN
	6VEXL06.7DGA
	6VEXL06.7DGB
	6VEXL06.7DGS
Komatsu	6KLXL0239AAD
	6KLXL0239AAF
	6KLXL0239ADA
	6KLXL0275AAC
	6KLXL0275AAG
	6KLXL0275AAH
	6KLXL03.3JD3
	6KLXL0359AAB
	6KLXL0359AAE
	6KLXL0359AAL
	6KLXL0359ABC
	6KLXL0409AAB
	6KLXL0409AAC
	6KLXL0505ABD
Kubota	6KBXL03.3CCD
Mitsubishi Fuso Truck & Bus Corp	6MFTL05.8D3A
Mitsubishi Heavy Industries	6MVXL05.0AAA
	6MVXL05.0AAD
	6MVXL05.0DDD
	6MVXL06.4DDD
	6MVXL06.4EEE
MotorenFabrik HATZ GMBH	6HZXL3.43C42
	6HZXL3.43V42
Nissan	6NDXL03.0FTA
VMMI	6V5XL04.2G5V
Yanmar	6YDXL3.32J4T
	6YDXL3.32K4T
	6YDXL4.41K4T

Manufacturer	Engine Families
AB Volvo Penta	7VPXL09.4BAA
	7VPXL12.1BAA
	7VPXL16.1ACB
Caterpillar	7CPXL07.2ESL
	7CPXL08.8ESK
	7CPXL11.1ESK
	7CPXL12.5ESK
	7CPXL15.2ESK
	7CPXL15.2ESL
	7CPXL18.1ESK
	7CPXL18.1ESL
	7CPXL27.0ESK
	7CPXL32.0ESK
	7CPXL51.8E2W
	7CPXL78.1ERK
	7CPXL34.5T2E
	7CPXL58.6T2E
	7CPXL78.1T2E
CNH Engine Corp.	7X9XL0505AAE
	7X9XL0540AAB
	7X9XL0239AAB
	7NHXL04.5DAA
	7NHXL04.5DCA
	7NHXL06.7DAA
	7NHXL06.7DCA
	7NHXL06.7DCB
	7NHXL06.7DTA
	7NHXL06.7DTC
Cummins	7CEXL015.AAA
	7CEXL015.AAB
	7CEXL015.AAE
	7CEXL019.AAD
	7CEXL023.AAA
	7CEXL0239AAG
	7CEXL0275AAC
	7CEXL0275AAG
	7CEXL0275AAH
	7CEXL03.3ABA
	7CEXL03.3ABB
	7CEXL03.3ACA
	7CEXL03.3ACB
	7CEXL030.AAB
	7CEXL030.AAD

Manufacturer	Engine Families
Cummins (cont.)	7CEXL030.ABA
	7CEXL038.AAA
	7CEXL0409AAB
	7CEXL0409AAC
	7CEXL045.AAA
	7CEXL050.AAC
	7CEXL050.AAD
	7CEXL050.ABA
	7CEXL0505AAE
	7CEXL0540AAB
	7CEXL060.AAB
	7CEXL060.AAD
	7CEXL0661AAF
	7CEXL0661AAG
	7CEXL0661AAH
	7CEXL0661AAJ
	7CEXL078.AAA
	7CEXL078.AAB
DAIMLERCHRYSLER	7MBXL12.8RJB
	7MBXL15.9RJA
Deere	7JDXL03.0064
	7JDXL04.5075
	7JDXL04.5076
	7JDXL04.5081
	7JDXL04.5083
	7JDXL06.8038
	7JDXL06.8039
	7JDXL06.8041
	7JDXL06.8044
	7JDXL06.8048
	7JDXL06.8049
	7JDXL06.8078
	7JDXL06.8080
	7JDXL06.8084
	7JDXL06.8101
	7JDXL06.8104
	7JDXL06.8105
	7JDXL06.8106
	7JDXL08.1037
	7JDXL09.0102
	7JDXL12.5035
	7JDXL12.5073

Model Year 2007 Engines (Continued)

Manufacturer	Engine Families
Detroit Diesel Corporation	7DDXL14.0VLD
	7DDXL14.0WLD
Deutz	7DZXL03.1039
	7DZXL03.1040
	7DZXL03.1066
	7DZXL06.1038
	7DZXL06.1059
	7DZXL06.1060
	7DZXL06.1061
	7DZXL06.1063
	7DZXL06.5042
	7DZXL06.5043
	7DZXL07.1051
	7DZXL07.1053
	7DZXL07.1055
	7DZXL15.9065
Doosan Infracore	7DWXL05.8CRN
	7DWXL05.8UTA
	7DWXL07.6UPA
	7DWXL11.0UJA
	7DWXL21.9UYA
GNH UK LTD	7NHXL06.7DCC
Hino Motors	7HMXL05.1JTA
	7HMXL07.7JTM
	7HMXL10.5PUN
Ishikawajima-Shibaura Machinery	7H3XL2.22N4L
Isuzu	7SZXL03.0IXA
	7SZXL03.1GNA
	7SZXL03.1GNB
	7SZXL03.1GTB
	7SZXL04.3GTG
	7SZXL04.3GXA
	7SZXL05.2HXA
	7SZXL05.2IXA
	7SZXL07.8HXA
	7SZXL07.8HXB
	7SZXL09.8HXA
	7SZXL15.7HXA
	7SZXL15.7HXB

Manufacturer	Engine Families
IVECO	7VEXL03.9B1Z
	7VEXL04.5DAA
	7VEXL04.5DGN
	7VEXL04.5DGT
	7VEXL06.7DAA
	7VEXL06.7DCA
	7VEXL06.7DCB
	7VEXL06.7DCC
	7VEXL06.7DGB
	7VEXL06.7DGS
	7VEXL06.7DTA
	7VEXL06.7DTC
	7VEXL08.7TR3
	7VEXL10.3MLR
	7VEXL12.9IGR
	7VEXL12.9MLR
	7VEXL12.9TR3
	7VEXL20.1DSL
Komatsu	7KLXL0239ADA
	7KLXL0275AAC
	7KLXL0275AAG
	7KLXL0275AAH
	7KLXL03.3JA3
	7KLXL03.3JB3
	7KLXL03.3JD3
	7KLXL03.3JD6
	7KLXL03.3JD7
	7KLXL0359AAE
	7KLXL038.AAA
	7KLXL0409AAB
	7KLXL0409AAC
	7KLXL045.AAA
	7KLXL050.AAC
	7KLXL0505AAE
	7KLXL060.AAB
	7KLXL078.AAA
	7klxl11.0DD6
	7KLXL11.0DD6
	7KLXL15.2ED6
	7klxl15.2ED6
	7KLXL15.2ED7
	7KLXL23.2FD6
	7KLXL30.5GD3

Model Year 2007 Engines (Continued)

Manufacturer	Engine Families
Kubota	7KBXL02.0FAD
	7KBXL02.4HCD
	7KBXL03.3BAC
	7KBXL03.3BAD
	7KBXL03.3BBD
	7KBXL03.3BCC
	7KBXL03.3BCD
	7KBXL03.3CCD
	7KBXL03.8AHD
Lombardini S.R.L.	7LBDL2.19CHT
MAHINDRA & MAHINDRA LTD.,	7MMLL03.1NEF
	7MMLL03.2NEF
	7MMLL03.2NET
	7MMLL03.4NEF
	7MMLL03.5NEF
Mitsubishi Fuso Truck & Bus Corp	7MFTL02.8M4A
	7MFTL04.9M5A
	7MFTL07.5M6A
	7MFTL12.9M7A
Mitsubishi Heavy Industries	7MVXL05.0AAA
	7MVXL05.0AAC
	7MVXL05.0AAD
	7MVXL06.4FFF
	7MVXL24.5BBA
	7MVXL33.9BBA
	7MVXL37.1BBA
	7MVXL49.0BBA
	7MVXL65.4BBA
MotorenFabrik HATZ GMBH	7HZXL2.57C41
	7HZXL3.43C42
	7HZXL3.43V42
MTU Detroit Diesel, Inc.	7MDDL31.8XRR
	7MDDL95.4XTR
Nissan	7NDXL02.7TNA
	7NDXL03.0FTA
	7NDXL03.2TNA

Model Year 2007 Engines (Continued)

Manufacturer	Engine Families
Perkins Engines	7PKXL03.3DD1
	7PKXL04.4NH1
	7PKXL04.4RE1
	7PKXL06.6PJ1
	7PKXL06.6PJ2
	7PKXL15.2TA2
	7PKXL15.2TAG
	7PKXL18.1TAG
SCANIA CV AB	7Y9XL11.7BBA
	7Y9XL11.7BBB
	7Y9XL15.6BDE
Shandong Weichai Huafeng Power	7SDWL4.33BBB
	7SDWL7.52AAA
Sisu Diesel	7SIDL03.3G4A
	7SIDL04.4J2A
	7SIDL07.4G4D
	7SIDL07.4G4E
	7SIDL07.4G5B
	7SIDL07.4G5C
	7SIDL08.4H5B
Volvo Construction Equipment AB	7VSXL09.4CE3
	7VSXL12.1CE3
	7VSXL16.1CE3
Yanmar	7YDXL3.05M4N
	7YDXL3.05P4N
	7YDXL3.32J4N
	7YDXL3.32J4T
	7YDXL3.32K4T
	7YDXL3.32P4N
	7YDXL4.41K4T

Manufacturer	Engine Families
AB Volvo Penta	8VPXL09.4BAA
	8VPXL12.1BAA
	8VPXL12.8BCA
	8VPXL16.1ACB
	8VPXL16.1ACW
Caterpillar	8CPXL07.2ESL
	8CPXL08.8ESK
	8CPXL106.T2E
	8CPXL11.1ESK
	8CPXL12.5ESK
	8CPXL15.2ELW
	8CPXL15.2ESW
	8CPXL18.1ESK
	8CPXL18.1ESW
	8CPXL18.1ESX
	8CPXL27.0ESK
	8CPXL27.0ESW
	8CPXL27.0ESX
	8CPXL32.0ESW
	8CPXL32.0ESX
	8CPXL34.5E2W
	8CPXL34.5T2E
	8CPXL51.8E2W
	8CPXL58.6T2E
	8CPXL58.6T2X
	8CPXL78.1E2W
	8CPXL78.1T2E
CNH Engine	8X9XL0540AAB
CNH UK LTD	8NHXL04.5DAA
	8NHXL04.5DAB
	8NHXL04.5DCA
	8NHXL04.5DCB
	8NHXL06.7DAA
	8NHXL06.7DCA
	8NHXL06.7DCB
	8NHXL06.7DCC

Manufacturer	Engine Families
Cummins	8CEXL015.AAA
	8CEXL015.AAB
	8CEXL015.AAE
	8CEXL015.AAH
	8CEXL015.AAJ
	8CEXL019.AAD
	8CEXL023.AAA
	8CEXL023.AAB
	8CEXL023.AAC
	8CEXL0275AAG
	8CEXL0275AAH
	8CEXL0275AAK
	8CEXL03.3ACA
	8CEXL03.3ACB
	8CEXL03.3ACD
	8CEXL03.3ACE
	8CEXL030.AAB
	8CEXL030.AAD
	8CEXL030.ABA
	8CEXL0409AAB
	8CEXL0409AAC
	8CEXL0409AAD
	8CEXL045.AAA
	8CEXL050.AAA
	8CEXL050.AAC
	8CEXL050.AAD
	8CEXL050.ABA
	8CEXL0505AAE
	8CEXL0540AAB
	8CEXL060.AAB
	8CEXL060.AAD
	8CEXL0661AAF
	8CEXL0661AAG
	8CEXL0661AAH
	8CEXL0661AAJ
	8CEXL078.AAA
	8CEXL078.AAB
	8CEXL2.28A41

HINO MOTORS	8HMXL05.1JTA

Manufacturer	Engine Families
DAIMLERCHRYSLER	8MBXL07.2RJA
	8MBXL12.8RJB
	8MBXL15.9RJA
Detroit Diesel	8DDXL14.0VLD
Deutz	8DZXL02.3099
	8DZXL02.7096
	8DZXL03.2088
	8DZXL03.6081
	8DZXL03.6082
	8DZXL03.6084
	8DZXL03.6086
	8DZXL03.6097
	8DZXL03.6098
	8DZXL04.1069
	8DZXL04.1070
	8DZXL04.1076
	8DZXL04.1078
	8DZXL04.1079
	8DZXL04.1080
	8DZXL04.8064
	8DZXL04.8068
	8DZXL04.8071
	8DZXL05.4087
	8DZXL06.1057
	8DZXL06.1059
	8DZXL06.1060
	8DZXL06.1061
	8DZXL06.1063
	8DZXL06.1067
	8DZXL06.1077
	8DZXL06.5074
	8DZXL06.5075
	8DZXL07.1051
	8DZXL07.1053
	8DZXL07.1055
	8DZXL07.1056
	8DZXL15.9065
DOOSAN INFRACORE	8DWXL05.8UTA
	8DWXL07.6UPA
	8DWXL11.0UJA
	8DWXL21.9UYA

Model Year 2008 Engines (Continued)

Manufacturer	Engine Families
Ishikawajima	8H3XL2.00N4T
	8H3XL2.22N4L
	8H3XL2.22N4T
Isuzu	8SZXL02.2UTA
	8SZXL02.2UXA
	8SZXL03.0IXA
	8SZXL03.0JTA
	8SZXL03.0JXA
	8SZXL03.0JXB
	8SZXL03.0UTB
	8SZXL05.2HXA
	8SZXL05.2IXA
	8SZXL05.2IXB
	8SZXL07.8HXA
	8SZXL07.8HXB
	8SZXL09.8HXA
	8SZXL09.8HXB
	8SZXL15.7HXA
	8SZXL15.7HXB
IVECO	8VEXL03.2TAI
	8VEXL03.2TCE
	8VEXL03.2TCI
	8VEXL04.5DAA
	8VEXL04.5DAB
	8VEXL04.5DCA
	8VEXL04.5DCB
	8VEXL06.7DAA
	8VEXL06.7DCA
	8VEXL06.7DCB
	8VEXL06.7DCC
	8VEXL06.7DGB
	8VEXL06.7DGS
	8VEXL08.7TR3
	8VEXL10.3MLR
	8VEXL10.3TR3
	8VEXL12.9IGR
	8VEXL12.9MLR
	8VEXL12.9TCD
	8VEXL20.1DSL
JCB Power Systems	8JCBL04.4TA7

	8JCBL04.4TA8
	8JCBL04.4TAE
	8JCBL04.4TC6

	8KLXL23.2FD6
	8KLXL23.2FD7
	8KLXL30.5GD3

Model Year 2008 Engines (Continued)

Manufacturer	Engine Families
John Deere Power	8JDXL03.0064
	8JDXL03.0208
	8JDXL04.5075
	8JDXL04.5083
	8JDXL04.5107
	8JDXL06.8038
	8JDXL06.8039
	8JDXL06.8041
	8JDXL06.8049
	8JDXL06.8078
	8JDXL06.8080
	8JDXL06.8101
	8JDXL06.8104
	8JDXL06.8105
	8JDXL06.8106
	8JDXL08.1037
	8JDXL09.0102
	8JDXL09.0114
	8JDXL12.5035
	8JDXL13.5103
Komatsu	8KLXL0275AAG
	8KLXL0275AAH
	8KLXL03.3JA6
	8KLXL03.3JB6
	8KLXL03.3JD6
	8KLXL03.3JD7
	8KLXL03.3JD9
	8KLXL0409AAB
	8KLXL0409AAC
	8KLXL050.AAA
	8KLXL050.AAC
	8KLXL0505AAE
	8KLXL060.AAA
	8KLXL060.AAB
	8KLXL078.AAA
	8KLXL11.0DD6
	8KLXL15.2ED6
	8KLXL15.2ED7
	8KLXL23.2FD5

Model Year 2008 Engines (Continued)

Manufacturer	Engine Families
Kubota	8KBXL02.4FAD
	8KBXL02.4HAD
	8KBXL02.6EAD
	8KBXL03.3CAD
	8KBXL03.6BAC
	8KBXL03.6BAD
	8KBXL03.6BCD
	8KBXL03.6DAD
	8KBXL03.8AAC
	8KBXL03.8AGD
Kukje Machinery	8KMCL2.28A41
M/S. SIMPSON & C.	8SCLL02.7V50
Liebherr Machines	8LHAL10.5LPA
	8LHAL10.5LPE
	8LHAL12.0KPA
	8LHAL12.8RMC
	8LHAL24.2VCE
	8LHAL9.54SPA
Liebherr Werk	8LHAL21.9VMR
Mitsubishi	8MVXL02.5HHH
	8MVXL03.3AAC
	8MVXL04.2BBB
	8MVXL04.2CCC
	8MVXL05.0AAD
	8MVXL05.0AAG
	8MVXL06.4FFF
	8MVXL24.5BBA
	8MVXL33.9BBA
	8MVXL37.1BBA
	8MVXL49.0BBA
	8MVXL65.4BBA
MAHINDRA & MAHINDRA	8MMLL02.5N52
	8MMLL02.5N57
	8MMLL02.5N59
	8MMLL02.5N62
	8MMLL02.5N64
	8MMLL02.7M30

	8MMLL03.3N75
	8MMLL03.3N79

Manufacturer	Engine Families
MOTORENFABRIK	8HZXL3.43C42
	8HZXL3.43V42
MTU DETROIT DIESEL,	8MDDL31.8XRR
	8MDDL35.8GRR
	8MDDL95.4XTR
NISSAN DIESEL	8NDXL03.2TNA
	8NDXL04.2TNA
Perkins Engines	8PKXL04.4NH1
	8PKXL04.4NJ1
	8PKXL04.4NJ2
	8PKXL04.4NM1
	8PKXL04.4RG3
	8PKXL06.6PJ1
	8PKXL06.6PJ2
	8PKXL15.2TA2
	8PKXL15.2TAG
	8PKXL18.1TAG
Scania	8Y9XL11.7BBA
	8Y9XL11.7BBB
	8Y9XL15.6BDE
Volvo	8VSXL09.4CE3
	8VSXL12.1CE3
	8VSXL16.1CE3
Yanmar	8YDXL2.00N4T
	8YDXL3.32C4N
	8YDXL3.32C4T
	8YDXL3.32R4N
	8YDXL3.32M4N
	8YDXL3.32M4T

Manufacturer	Engine Families
AB Volvo Penta	9VPXL09.4BAA
	9VPXL12.1BAA
	9VPXL12.8BCA
	9VPXL16.1ACB
	9VPXL16.1ACW
	9VPXL16.1BEA
	9VSXL09.4CE3
	9VSXL12.1CE3
	9VSXL16.1CE3
Caterpillar	9CPXL07.2ESL
	9CPXL08.8ESK
	9CPXL106.T2E
	9CPXL11.1ESK
	9CPXL12.5ESK
	9CPXL12.5ESX
	9CPXL14.2ELW
	9CPXL15.2ESW
	9CPXL18.1ESK
	9CPXL18.1ESW
	9CPXL18.1ESX
	9CPXL27.0ESK
	9CPXL27.0ESW
	9CPXL27.0ESX
	9CPXL27.0ESX
	9CPXL32.0ESP
	9CPXL32.0ESW
	9CPXL32.0ESX
	9CPXL34.5T2C
	9CPXL34.5T2E
	9CPXL58.6T2E
	9CPXL58.6T2X
	9CPXL58.6T2Y
	9CPXL78.1E2W
	9CPXL78.1T2E
CNH UK LTD	9NHXL04.5DAA
	9NHXL04.5DAB
	9NHXL04.5DCA
	9NHXL04.5DCB
	9NHXL06.7DAA
	9NHXL06.7DCA
	9NHXL06.7DCB
	9NHXL06.7DCC

Manufacturer	Engine Families
Cummins	9CEXL015.AAA
	9CEXL015.AAE
	9CEXL015.AAH
	9CEXL015.AAJ
	9CEXL019.AAD
	9CEXL023.AAA
	9CEXL023.AAB
	9CEXL023.AAC
	9CEXL0275AAG
	9CEXL0275AAH
	9CEXL0275AAK
	9CEXL03.3ACA
	9CEXL03.3ACB
	9CEXL03.3ACD
	9CEXL03.ACE
	9CEXL030.AAB
	9CEXL030.AAD
	9CEXL030.ABA
	9CEXL0409AAB
	9CEXL0409AAC
	9CEXL0409AAD
	9CEXL045.AAA
	9CEXL050.AAA
	9CEXL050.AAC
	9CEXL050.AAD
	9CEXL050.AAF
	9CEXL050.ABA
	9CEXL0505AAE
	9CEXL0540AAB
	9CEXL0540AAD
	9CEXL060.AAB
	9CEXL060.AAD
	9CEXL0661AAF
	9CEXL0661AAG
	9CEXL0661AAH
	9CEXL0661AAJ
	9CEXL078.AAA
	9CEXL2.28A41

Manufacturer	Engine Families
Detroit Diesel	9DDXL14.DVLD
Deutz	9DXZL04.8071
	9DZL04.8073
	9DZXL02.3048
	9DZXL02.3099
	9DZXL02.7096
	9DZXL03.2088
	9DZXL03.6081
	9DZXL03.6082
	9DZXL03.6084
	9DZXL03.6086
	9DZXL03.6097
	9DZXL03.6098
	9DZXL04.1069
	9DZXL04.1070
	9DZXL04.1072
	9DZXL04.1076
	9DZXL04.1078
	9DZXL04.1079
	9DZXL04.1080
	9DZXL04.8064
	9DZXL04.8068
	9DZXL06.1057
	9DZXL06.1059
	9DZXL06.1060
	9DZXL06.1061
	9DZXL06.1063
	9DZXL06.1067
	9DZXL06.1077
	9DZXL06.5074
	9DZXL07.1051
	9DZXL07.1053
	9DZXL07.1055
	9DZXL07.1056
	9DZXL15.9065
DOOSAN INFRACORE	9DICL05.8UTA
	9DICL07.6UPA
	9DICL11.0UJA
HINO MOTORS	9HMXL04.0NUA
	9HMXL05.1JTA
	9HMXL07.7JTM
	9HMXL10.5PUN
	9HMXL10.5PUP
	9HXML12.9EUV

Model Year 2009 Engines (Continued)

Manufacturer	Engine Families
Isuzu	9SZXL02.2UXA
	9SZXL03.0IXA
	9SZXL03.0JTA
	9SZXL03.0JXA
	9SZXL03.0JXB
	9SZXL03.0UTB
	9SZXL05.2HXA
	9SZXL05.2IXA
	9SZXL05.2IXB
	9SZXL07.8HXA
	9SZXL07.8HXB
	9SZXL09,8HXA
	9SZXL09.8HXB
	9SZXL15.7HXA
	9SZXL15.7HXB
IVECO	9VEXL03.2TCE
	9VEXL03.2TCI
	9VEXL04.4DCB
	9VEXL04.5DAA
	9VEXL04.5DAB
	9VEXL04.5DCA
	9VEXL06.7DAA
	9VEXL06.7DCA
	9VEXL06.7DCB
	9VEXL06.7DCC
	9VEXL06.7DGB
	9VEXL06.7DGS
	9VEXL08.7TR3
	9VEXL10.3MLR
	9VEXL10.3TR3
	9VEXL12.9IGR
	9VEXL12.9MLR
	9VEXL12.9TCD
	9VEXL20.1DSL
JCB Power Systems	9JCBL04.4TA7
	9JCBL04.4TA8
	9JCBL04.4TAE
	9JCBL04.4TC6

Manufacturer	Engine Families
John Deere Power	9JDXL03.0064
	9JDXL03.0113
	9JDXL03.0203
	9JDXL03.0208
	9JDXL04.5083
	9JDXL04.5107
	9JDXL06.8049
	9JDXL06.8080
	9JDXL06.8101
	9JDXL06.8104
	9JDXL06.8105
	9JDXL06.8106
	9JDXL08.1037
	9JDXL09.0102
	9JDXL09.0114
	9JDXL13.5103
Komatsu	9KLXL0275AAG
	9KLXL0275AAH
	9KLXL03.3JA6
	9KLXL03.3JB6
	9KLXL03.3JD6
	9KLXL03.3JD7
	9KLXL0409AAB
	9KLXL0409AAC
	9KLXL050.AAA
	9KLXL050.AAC
	9KLXL0505AAE
	9KLXL060.AAA
	9KLXL060.AAB
	9KLXL11.0DD6
	9KLXL15,2ED7
	9KLXL15.2ED6
	9KLXL23.2FD5
	9KLXL23.2FD6
	9KLXL23.2FD7
	9KLXL30.5GD3
	9XLXL03.3JD9

Manufacturer	Engine Families
Kubota	9KBXL02.4FAD
	9KBXL02.4HAD
	9KBXL02.6EAD
	9KBXL03.3CAD
	9KBXL03.6BAC
	9KBXL03.6BAD
	9KBXL03.6BCD
	9KBXL03.6DAD
	9KBXL03.8AAC
	9KBXL03.8AGD
	9KBXL03.8AHD
	9KBXL06.1AHD
Kukje Machinery	9KMCL2.28A41
Liebherr Machines	9LHAL10.5LPA
	9LHAL10.5LPE
	9LHAL12.0KPA
	9LHAL12/8RMC
	9LHAL24.2VCE
	9LHAL24.2VCI
LOMBARDINI MOTORI	9LBDL2.19CH2
Mitsubishi	9MFTL02.8M4B
	9MFTL04.9M5A
	9MFTL07.5M6A
	9MFTL12.9M7A
	9MVXL03.3AAC
	9MVXL03.3AAH
	9MVXL04.2BBB
	9MVXL04.2CCC
	9MVXL05.0AAD
	9MVXL06.4FFF
	9MVXL24.5BBA
	9MVXL33.9BBA
	9MVXL37.1BBA
	9MVXL49.0BBA
	9MVXL65.4BBA

Manufacturer	Engine Families
MOTORENFABRIK	9HZXL2.57C41
	9HZXL2.57V41
	9HZXL3.43C42
	9HZXL3.43V42
MTU DETROIT DIESEL	9MDDL31.8XRR
	9MDDL35.8GRR
	9MDDL95.4XTR
NAVISTAR	9NVXL0466ANA
NISSAN DIESEL	9NDXL03.2TNA
	9NDXL04.2TNA
Perkins Engines	9PKXL04.4NJ1
	9PKXL04.4NJ2
	9PKXL04.4NM1
	9PKXL04.4NM2
	9PKXL04.4RG3
	9PKXL06.6PJ1
	9PKXL06.6PJ2
	9PKXL12.5TAG
	9PKXL15.2TAG
	9PKXL15.2TAG
	9PKXL18.1TAG
Scania	9Y9XL11.7BBA
	9Y9XL11.7BBB
	9Y9XL15.6BDE
TOYOTA INDUSTRIAL	9TALL02.51DZ
Yanmar	9YDXL2.00N4T
	9YDXL3.05K4N
	9YDXL3.32C4N
	9YDXL3.32C4T
	9YDXL3.32M4N
	9YDXL3.32M4T

Manufacturer	Engine Families
AB Volvo Penta	AVPXL16.1ACB
	AVPXL16.1ACG
	AVPXL16.1ACW
AGCO Sisu	ASIDL07.4G5C
CATERPILLAR	ACPXL07.2ESL
	ACPXL08.8ESK
	ACPXL08.8ESL
	ACPXL08.8ESX
	ACPXL10.3ESL
	ACPXL11.1ESK
	ACPXL12.5ESK
	ACPXL12.5ESX
	ACPXL14.6ESK
	ACPXL15.2ELW
	ACPXL15.2ESW
	ACPXL15.2ESX
	ACPXL18.1ESK
	ACPXL18.1ESW
	ACPXL18.1ESX
	ACPXL27.0ESK
	ACPXL27.0ESW
	ACPXL27.0ESX
	ACPXL32.0ESP
	ACPXL32.0ESW
	ACPXL32.0ESX
	ACPXL34.5T2C
	ACPXL34.5T2E
	ACPXL58.6T2E
	ACPXL58.6T2X
	ACPXL58.6T2Y
	ACPXL78.1E2W
	ACPXL78.1ERK
	ACPXL78.1T2E
	ACPXL78.1T2X
	ACPXL106.T2E
	ACPXL106.T2M

Manufacturer	Engine Families
CNH UK	ANHXL04.5DCB
Cummins	ACEXL2.28A41
	ACEXL03.3ACA
	ACEXL03.3ACB
	ACEXL03.3ACD
	ACEXL03.3ACE
	ACEXL03.3BAA
	ACEXL015.AAE
	ACEXL015.AAH
	ACEXL015.AAJ
	ACEXL019.AAD
	ACEXL023.AAA
	ACEXL023.AAB
	ACEXL023.AAC
	ACEXL030.AAB
	ACEXL030.AAD
	ACEXL030.ABA
	ACEXL045.AAA
	ACEXL050.AAA
	ACEXL050.AAC
	ACEXL050.AAD
	ACEXL050.AAF
	ACEXL050.ABA
	ACEXL060.AAB
	ACEXL060.AAD
	ACEXL060.AAE
	ACEXL078.AAA
	ACEXL078.AAE
	ACEXL0275AAG
	ACEXL0275AAH
	ACEXL0275AAK
	ACEXL0409AAB
	ACEXL0409AAC
	ACEXL0409AAD
	ACEXL0505AAE
	ACEXL0540AAB
	ACEXL0540AAC
	ACEXL0540AAD
	ACEXL0661AAF
	ACEXL0661AAG
	ACEXL0661AAJ

Manufacturer	Engine Families
Daimler AG	AMBXL07.2RJA
	AMBXL12.8RJB
	AMBXL15.9RJA
Detroit Diesel	ADDXL14.0WLD
DEUTZ AG	ADZXL07.1052
Doosan Infracore	ADICL05.8UTA
	ADICL07.6UPA
	ADICL11.0UJA
	ADICL18.3USA
	ADICL21.9UYA
Hyundai	AHYXL03.9TDI
IHI Shibaura	AH3XL2.00N4T
	AH3XL2.22N4L
IVECO	AVEXL04.5DCB
	AVEXL06.7DGB
	AVEXL06.7DGS
	AVEXL08.7TR3
	AVEXL10.3MLR
	AVEXL10.3TR3
	AVEXL12.9IGR
	AVEXL12.9MLR
	AVEXL12.9TCD
	AVEXL20.1DSL
JCB	AJCBL04.4TA7
	AJCBL04.4TA8
	AJCBL04.4TAE
	AJCBL04.4TC6
John Deere	AJDXL03.0064
	AJDXL03.0113
	AJDXL03.0203
	AJDXL03.0206
	AJDXL03.0208
	AJDXL04.5083
	AJDXL04.5107
	AJDXL06.8049
	AJDXL06.8078
	AJDXL06.8080
	AJDXL06.8104
	AJDXL06.8105
	AJDXL06.8106
	AJDXL06.8117
	AJDXL08.1037
	AJDXL09.0114

Manufacturer	Engine Families
Komatsu	AKLXL0409AAB
	AKLXL050.AAC
	AKLXL0505AAE
	AKLXL060.AAB
	AKLXL0275AAG
	AKLXL0275AAH
	AKLXL03.3JA6
	AKLXL03.3JB6
	AKLXL03.3JD6
	AKLXL03.3JD7
	AKLXL03.3JD9
	AKLXL0409AAC
	AKLXL050.AAA
	AKLXL060.AAA
	AKLXL078.AAA
	AKLXL23.2FD5
	AKLXL23.2FD6
	AKLXL23.2FD7
	AKLXL30.5GD3
KUBOTA	AKBXL02.4HAD
	AKBXL03.6BCD
Kukje	AKMCL2.28A41
	AKMCL2.39A44
Liebherr	ALHAL10.5LPA
	ALHAL12.0KPA
	ALHAL24.2VCI
	ALHAL9.54SPA
Mitsubishi Fuso	AMFTL02.8M4B
Mitsubishi	AMVXL02.5HHH
	AMVXL03.3AAC
	AMVXL03.3AAE
	AMVXL03.3AAH
	AMVXL04.2BBB
	AMVXL04.2CCC
	AMVXL05.0AAD
	AMVXL05.0AAG
	AMVXL06.4FFF
	AMVXL24.5BBA
	AMVXL33.9BBA
	AMVXL37.1BBA
	AMVXL49.0BBA
	AMVXL65.4BBA
	AMVXL65.4BBB

Model Year 2010 Engines (Continued)

Manufacturer	Engine Families
MTU Detroit Diesel	AMDDL21.0GWR
	AMDDL31.8XRR
	AMDDL35.8GRR
	AMDDL90.0GTP
	AMDDL95.4GTP
	AMDDL95.4XTR
Nissan Diesel	ANDXL02.7TNA
	ANDXL03.2TNA
	ANDXL04.2TNA
Perkins	APKXL04.4NJ1
	APKXL04.4NJ2
	APKXL04.4NM1
	APKXL04.4NM2
	APKXL04.4RG3
	APKXL06.6PJ1
	APKXL06.6PJ2
	APKXL12.5TAG
	APKXL15.2TA2
	APKXL15.2TAG
	APKXL18.1TAG
SCANIA	AY9XL11.7BBA
	AY9XL11.7BBB
	AY9XL15.6BDE
TOYOTA	ATALL02.51DZ
	ATALL03.503Z
	ATALL05.215Z
VM Motori	AV5XL04.5T60
Yanmar	AYDXL3.32R4N
Zhejiang Xinchai	AZHXL3.17AAA

Manufacturer	Engine Families
AB Volvo Penta	BVPXL16.1ACB
	BVPXL16.1ACG
	BVPXL16.1ACW
AGCO Sisu	BSIDL07.4G4E
	BSIDL07.4G5C
Caterpillar Inc.	BCPXL08.8NZS
	BCPXL106.NZS
	BCPXL11.1ESK
	BCPXL12.5ESK
	BCPXL15.2ESW
	BCPXL15.2NYS
	BCPXL15.2NZS
	BCPXL18.1ESK
	BCPXL18.1NYS
	BCPXL18.1NZS
	BCPXL27.0NZS
	BCPXL32.0NZS
	BCPXL78.1NZS
CNH UK LTD	BNHXL04.5DCB
	BNHXL06.7DCA
	BNHXL06.7DCB
Cummins Inc.	BCEXL015.AAH
	BCEXL015.AAJ
	BCEXL023.AAB
	BCEXL0275AAG
	BCEXL0275AAH
	BCEXL0275AAK
	BCEXL03.3ACA
	BCEXL03.3ACB
	BCEXL03.3ACD
	BCEXL03.3ACE
	BCEXL030.AAD
	BCEXL0409AAB
	BCEXL0409AAC
	BCEXL0409AAD
	BCEXL050.AAC
	BCEXL050.AAD
	BCEXL0505AAE
	BCEXL0540AAB
	BCEXL060.AAB
	BCEXL060.AAD

Manufacturer	Engine Families
Daimler AG	BMBXL04.3RJA
Detroit Diesel	BDDXL14.0WLD
Doosan Infracore	BDICL05.8UTA
	BDICL18.3USA
	BDICL21.9UYA
Hyundai	BHYXL03.9TDI
IHI Shibaura	BH3XL2.00N4T
	BH3XL2.22N4L
Iseki Matsuyama	BICLL2.96D4H
	BICLL3.37D4H
	BICLL3.37D4I
IVECO S.p.A.	BVEXL03.2TAI
	BVEXL04.5DAA
	BVEXL04.5DAB
	BVEXL04.5DCA
	BVEXL04.5DCB
	BVEXL06.7DAA
	BVEXL06.7DCA
	BVEXL06.7DCB
	BVEXL06.7DCC
	BVEXL06.7DGB
	BVEXL06.7DGS
	BVEXL08.7TR3
	BVEXL10.3TR3
	BVEXL12.9IGR
JCB	BJCBL04.4TA7
	BJCBL04.4TA8
	BJCBL04.4TAE
	BJCBL04.4TC6
John Deere	BJDXL03.0064
	BJDXL03.0113
	BJDXL03.0203
	BJDXL03.0206
	BJDXL03.0208
	BJDXL04.5107
	BJDXL04.5130
	BJDXL06.8078
	BJDXL06.8104
	BJDXL06.8105
	BJDXL06.8106
	BJDXL06.8117
	BJDXL06.8120
	BJDXL09.0114

	BJDXL13.5132

Model Year 2011 Engines (Continued)

Manufacturer	Engine Families
Komatsu Ltd	BKLXL0275AAG
Komatsu Ltd	BKLXL0275AAH
Komatsu Ltd	BKLXL03.3JA6
Komatsu Ltd	BKLXL03.3JB6
Komatsu Ltd	BKLXL03.3JD6
Komatsu Ltd	BKLXL03.3JD7
Komatsu Ltd	BKLXL03.3JD9
Komatsu Ltd	BKLXL0409AAC
Komatsu Ltd	BKLXL050.AAC
Komatsu Ltd	BKLXL060.AAB
Komatsu Ltd	BKLXL23.2FD5
KUBOTA	BKBXL02.4HAD
KUBOTA	BKBXL03.6BCD
Kukje	BKMCL2.28A41
Kukje	BKMCL2.39A44
Kukje	BKMCL3.41D42
Mitsubishi	BMVXL02.5HHH
Mitsubishi	BMVXL03.3AAC
Mitsubishi	BMVXL03.3AAH
Mitsubishi	BMVXL04.2BBB
Mitsubishi	BMVXL04.2CCC
Mitsubishi	BMVXL05.0AAD
Mitsubishi	BMVXL05.0AAG
Mitsubishi	BMVXL06.4FFF
Mitsubishi	BMVXL24.5BBA
Mitsubishi	BMVXL33.9BBA
Mitsubishi	BMVXL37.1BBA
Mitsubishi	BMVXL49.0BBA
Mitsubishi	BMVXL65.4BBA
Mitsubishi	BMVXL65.4BBB
Mitsubishi Fuso	BMFTL02.8M4B
MTU Detroit Diesel	BMDDL14.0ZWK
MTU Detroit Diesel	BMDDL21.0ZWR
MTU Detroit Diesel	BMDDL31.8XRR
MTU Detroit Diesel	BMDDL35.8GRR
MTU Detroit Diesel	BMDDL95.4XTR

Model Year 2011 Engines (Continued)

Manufacturer	Engine Families
Perkins	BPKXL04.4NJ1
Perkins	BPKXL04.4NJ2
Perkins	BPKXL04.4NM1
Perkins	BPKXL04.4NM2
Perkins	BPKXL04.4RG3
Perkins	BPKXL06.6PJ1
Perkins	BPKXL06.6PJ2
Perkins	BPKXL06.6PJ3
Perkins	BPKXL12.5TAG
Perkins	BPKXL15.2TA2
Perkins	BPKXL15.2TAG
Perkins	BPKXL18.1TAG
Simpson & Co	BSCLL02.7V58
Simpson & Co	BSCLL03.6V74
TOYOTA	BTALL02.51DZ
TOYOTA	BTALL05.215Z
UD Trucks	BNDXL02.7TNA
UD Trucks	BNDXL03.2TNA
UD Trucks	BNDXL04.2TNA
VM Motori	BV5XL04.5T60
Yanmar	BYDXL3.32R4N

Manufacturer	Engine Families
Caterpillar Inc.	CCPXL07.2ESJ
	CCPXL08.8ESJ
	CCPXL08.8NZS
	CCPXL106.NZS
	CCPXL11.1ESJ
	CCPXL11.1ESK
	CCPXL12.5ESJ
	CCPXL12.5ESK
	CCPXL15.2ESJ
	CCPXL15.2ESW
	CCPXL15.2HZA
	CCPXL15.2NYS
	CCPXL15.2NZS
	CCPXL18.1ESJ
	CCPXL18.1ESK
	CCPXL18.1HZA
	CCPXL18.1NYS
	CCPXL18.1NZS
	CCPXL27.0ESJ
	CCPXL27.0HYA
	CCPXL27.0HZA
	CCPXL27.0NZS
	CCPXL32.0HZA
	CCPXL32.0NZS
	CCPXL78.1NZS
Cummins Inc.	CCEXL15.0AAI
	CCEXL015.AAH
	CCEXL015.AAJ
	CCEXL019.AAD
	CCEXL023.AAB
	CCEXL0275AAG
	CCEXL0275AAH
	CCEXL0275AAK
	CCEXL03.3ACD
	CCEXL03.3ACE
	CCEXL030.AAD
	CCEXL0409AAB
	CCEXL0409AAC
	CCEXL0409AAD
	CCEXL050.AAD
	CCEXL0505AAE
	CCEXL0540AAB
	CCEXL060.AAD
	CCEXL0661AAH

Model Year 2012 Engines (continued)

Manufacturer	Engine Families
DAEDONG	CDCLL02.2D7T
	CDCLL02.4B7T
DEERE	CJDXL03.0113
	CJDXL03.0203
	CJDXL03.0206
	CJDXL03.0208
	CJDXL04.5107
	CJDXL04.5119
	CJDXL04.5130
	CJDXL04.5141
	CJDXL04.5212
	CJDXL06.8115
	CJDXL06.8116
	CJDXL06.8117
	CJDXL06.8120
	CJDXL09.0114
	CJDXL09.0140
	CJDXL13.5103
	CJDXL13.5132
Detroit Diesel	CDDXL14.0VLD
	CDDXL14.0WLD
DEUTZ AG	CDZXL02.3099
	CDZXL02.7096
	CDZXL03.6081
	CDZXL03.6082
	CDZXL03.6084
	CDZXL03.6085
	CDZXL05.4087
Doosan Infracore	CDICL18.3USA
	CDICL21.9UYA
FPT INDUSTRIAL	CFPXL03.2SCE
	CFPXL03.2TAI
	CFPXL03.2TCI
	CFPXL06.7DGB
	CFPXL06.7DGS
	CFPXL08.7TR3
	CFPXL10.3TR3
	CFPXL12.9IGR

Manufacturer	Engine Families
ISEKI	CICLL2.96D4H
	CICLL3.37D4H
ISM	CH3XL2.00N4T
	CH3XL2.22N4L
ISUZU	CSZXL02.2UTA
	CSZXL02.2UXA
	CSZXL03.0UTA
	CSZXL03.0UTB
JCB POWER SYS	CJCBL04.4TC5
KOMATSU LTD.	CKLXL03.3JA6
	CKLXL03.3JB6
	CKLXL03.3JD9
	CKLXL23.2FD5
KUBOTA	CKBXL02.4FAD
	CKBXL02.4HAD
	CKBXL02.6EAD
	CKBXL03.3CAD
	CKBXL03.6BAC
	CKBXL03.6BCD
	CKBXL03.6DAD
	CKBXL03.8AAC
	CKBXL03.8CGD
KUKJE	CKMCL2.28A41
	CKMCL3.41D43
M&M	CMMLL02.5N52
	CMMLL02.5N59
	CMMLL02.5N62
	CMMLL02.5N64
MFTA	CMFTL02.8M4B
MITSUBISHI	CMVXL02.5HHH
	CMVXL03.3AAC
	CMVXL03.3AAH
	CMVXL05.0AAD
MOTORENFABRIK HATZ	CHZXL3.43C42
	CHZXL3.43V42
MTU DD	CMDDL14.0ZWK
	CMDDL21.0ZWR
	CMDDL31.8XRR
	CMDDL35.7XNC
	CMDDL35.8GRR

Manufacturer	Engine Families
MTU DD (cont.)	CMDDL57.2XTC
	CMDDL95.4XTR
NISSAN DIESEL	CNDXL02.7TNA
	CNDXL03.2TNA
PERKINS	CPKXL04.4NH1
	CPKXL04.4NJ1
	CPKXL04.4NJ2
	CPKXL04.4NM1
	CPKXL04.4NM2
	CPKXL06.6PJ1
	CPKXL06.6PJ2
	CPKXL06.6PJ3
	CPKXL12.5TAG
	CPKXL15.2TA2
	CPKXL15.2TAG
	CPKXL18.1TAG
SIMPSON & CO	CSCLL02.7V58
	CSCLL03.6V74
TIEM	CTIEL02.51DZ
	CTIEL05.26CA
VOLKSWAGEN	CVWXL02.0CBJ
VPX	CVPXL09.4BAA
	CVPXL12.8BCA
	CVPXL16.1ACB
	CVPXL16.1ACG
	CVPXL16.1ACW
	CVPXL16.1ADA
	CVPXL16.1BDA
	CVPXL16.1BEA
YANGDONG	CYNDL2.55AAA
YANMAR	CYDXL2.00N4T
	CYDXL3.32C4N
	CYDXL3.32C4T
	CYDXL3.32F4T
	CYDXL3.32M4N
	CYDXL3.32R4N

Manufacturer	Engine Families
Caterpillar Inc.	DCPXL07.2ESJ
	DCPXL08.8ESJ
	DCPXL08.8NZS
	DCPXL106.NZS
	DCPXL11.1ESJ
	DCPXL12.5ESJ
	DCPXL15.2NYS
	DCPXL15.2NZS
	DCPXL18.1ESJ
	DCPXL18.1NYS
	DCPXL18.1NZS
	DCPXL27.0NZS
	DCPXL32.0NZS
	DCPXL78.1NZS
Cummins Inc.	DCEXL015.AAH
	DCEXL015.AAJ
	DCEXL019.AAD
	DCEXL023.AAB
	DCEXL0275AAG
	DCEXL0275AAH
	DCEXL0275AAK
	DCEXL030.AAD
	DCEXL0409AAB
	DCEXL0409AAC
	DCEXL0409AAD
	DCEXL050.AAD
	DCEXL0505AAE
	DCEXL0540AAB
	DCEXL060.AAD
	DCEXL0661AAH
DEERE	DJDXL03.0208
	DJDXL04.5111
	DJDXL04.5119
	DJDXL04.5130
	DJDXL04.5141
	DJDXL04.5212
	DJDXL04.5214
	DJDXL06.8104
	DJDXL06.8105
	DJDXL06.8106
	DJDXL06.8120
	DJDXL09.0114
	DJDXL13.5132

Manufacturer	Engine Families
DETROIT DIESEL	DDDXL14.0WLD
DOOSAN	DDICL18.3USA
	DDICL21.9UYA
FPT INDUSTRIAL	DFPXL04.5DTD
	DFPXL06.7DGB
	DFPXL06.7DGS
	DFPXL08.7TR3
	DFPXL10.3TR3
ISM	DH3XL2.22N4L
KOMATSU LTD.	DKLXL060.AAE
	DKLXL23.2FD5
KUKJE MACHINERY	DKMCL3.41D43
MITSUBISHI	DMVXL24.5BBA
	DMVXL33.9BBA
	DMVXL37.1BBA
	DMVXL49.0BBA
	DMVXL65.4BBA
	DMVXL65.4BBB
MTU DD	DMDDL14.0ZWK
	DMDDL21.0ZWR
	DMDDL31.8XRR
	DMDDL35.8GRR
	DMDDL95.4XTR
PERKINS	DPKXL04.4NH1
	DPKXL04.4NJ1
	DPKXL04.4NJ2
	DPKXL04.4NM1
	DPKXL04.4NM2
	DPKXL06.6PJ1
	DPKXL06.6PJ2
	DPKXL06.6PJ3
	DPKXL12.5TAG
	DPKXL15.2TA2
	DPKXL15.2TAG
	DPKXL18.1TAG
VPX	DVPXL16.1ACB
	DVPXL16.1ACG
	DVPXL16.1ACW

Manufacturer	Engine Families
Caterpillar Inc.	ECPXL08.8NZS
	ECPXL106.NZS
	ECPXL12.5NYS
	ECPXL15.2NYS
	ECPXL15.2NZS
	ECPXL18.1NYS
	ECPXL18.1NZS
	ECPXL27.0NZS
	ECPXL32.0NZS
	ECPXL78.1NZS
Cummins Inc.	ECEXL015.AAH
	ECEXL015.AAJ
	ECEXL019.AAD
	ECEXL0275AAG
	ECEXL0275AAH
	ECEXL0275AAK
	ECEXL03.3ACF
	ECEXL03.3ACG
	ECEXL03.3ACH
	ECEXL03.3ACK
	ECEXL030.AAD
	ECEXL0409AAB
	ECEXL0409AAC
	ECEXL0409AAD
	ECEXL050.AAD
	ECEXL0505AAE
	ECEXL0540AAB
	ECEXL060.AAD
	ECEXL0661AAH
	ECEXL13.0AAA
DEERE	EJDXL03.0208
	EJDXL04.5119
	EJDXL04.5130
	EJDXL04.5141
	EJDXL04.5212
	EJDXL04.5214
	EJDXL06.8105
	EJDXL06.8120
	EJDXL09.0114
	EJDXL13.5132
	EJDXL13.5146

Manufacturer	Engine Families
DETROIT DIESEL	EDDXL14.0WLD
DOOSAN	EDICL18.3USA
	EDICL21.9UYA
FPT INDUSTRIAL	EFPXL08.7TR3
	EFPXL06.7DGS
	EFPXL10.3TR3
	EFPXL06.7DGB
ISM	EH3XL2.22CN3
	EH3XL2.22N4L
KOMATSU LTD.	EKLXL23.2FD5
	EKLXL060.AAE
KUKJE MACHINERY	EKMCL3.41D43
MITSUBISHI	EMVXL24.5BBA
	EMVXL33.9BBA
	EMVXL37.1BBA
	EMVXL49.0BBA
	EMVXL65.4BBA
	EMVXL65.4BBB
MTU DD	EMDDL14.0ZWK
	EMDDL21.0ZWR
	EMDDL31.8XRR
	EMDDL35.8GRR
	EMDDL95.4XTR
PERKINS	EPKXL04.4NH1
	EPKXL04.4NH3
	EPKXL04.4NJ1
	EPKXL04.4NJ2
	EPKXL04.4NJ3
	EPKXL04.4NM1
	EPKXL04.4NM2
	EPKXL06.6PJ1
	EPKXL06.6PJ2
	EPKXL07.0PW1
VPX	EVPXL16.1ACB
	EVPXL16.1ACG
	EVPXL16.1ACW

Model Year 2015 Engines

Manufacturer	Engine Families
Caterpillar Inc.	FCPXL08.8NZS
	FCPXL106.NZS
	FCPXL12.5NYS
	FCPXL15.2NYS
	FCPXL15.2NZS
	FCPXL18.1NYS
	FCPXL18.1NZS
	FCPXL27.0NZS
	FCPXL32.0NZS
	FCPXL78.1NZS
Cummins Inc.	FCEXL015.AAH
	FCEXL015.AAJ
	FCEXL019.AAD
	FCEXL023.AAB
	FCEXL0275AAG
	FCEXL0275AAH
	FCEXL0275AAK
	FCEXL030.AAD
	FCEXL0409AAB
	FCEXL0409AAC
	FCEXL0409AAD
	FCEXL050.AAD
	FCEXL0505AAE
	FCEXL0540AAB
	FCEXL060.AAD
	FCEXL0661AAH
	FCEXL13.0AAA
	FCEXL95.0AAA
DEERE	FJDXL04.5119
	FJDXL04.5141
	FJDXL04.5212
	FJDXL04.5214
	FJDXL06.8120
	FJDXL09.0114
	FJDXL13.5132
	FJDXL13.5146
DETROIT DIESEL	FDDXL14.0WLD

Model Year 2015 Engines (continued)

Manufacturer	Engine Families
FPT INDUSTRIAL	FFPXL03.2TCI
	FFPXL04.5DCB
	FFPXL06.7DGB
	FFPXL06.7DGS
	FFPXL08.7TR3
	FFPXL10.3TR3
ISM	FH3XL2.22N4L
KOMATSU LTD.	FKLXL23.2FD5
KUKJE MACHINERY	FKMCL3.41D43
MERCEDES-BENZ	FMBXL07.2RJC
MITSUBISHI	FMVXL24.5BBA
	FMVXL33.9BBA
	FMVXL37.1BBA
	FMVXL49.0BBA
	FMVXL65.4BBA
MTU DD	FMDDL14.0ZWK
	FMDDL21.0ZWR
	FMDDL31.8XRR
	FMDDL35.8GRR
	FMDDL40.1GNR
	FMDDL95.4XTR
PERKINS	FPKXL04.4NH1
	FPKXL04.4NJ1
	FPKXL04.4NM1
	FPKXL04.4NM2
	FPKXL04.4NR2
	FPKXL06.6PJ1
	FPKXL06.6PJ2
	FPKXL07.0PW1
	FPKXL07.0PW2
VPX	FVPXL16.1ACB
	FVPXL16.1ACG
	FVPXL16.1ACW

	GFPXL12.9IGR

Manufacturer	Engine Families
Caterpillar Inc.	GCPXL08.8NZS
	GCPXL106.NZS
	GCPXL12.5NYS
	GCPXL15.2NYS
	GCPXL15.2NZS
	GCPXL18.1NYS
	GCPXL18.1NZS
	GCPXL27.0NZS
	GCPXL32.0NZS
	GCPXL78.1NZS
Cummins Inc.	GCEXL015.AAH
	GCEXL015.AAJ
	GCEXL019.AAD
	GCEXL023.AAB
	GCEXL0275AAG
	GCEXL0275AAH
	GCEXL0275AAK
	GCEXL030.AAD
	GCEXL0409AAB
	GCEXL0409AAC
	GCEXL0409AAD
	GCEXL050.AAD
	GCEXL0505AAE
	GCEXL0540AAB
	GCEXL060.AAD
	GCEXL0661AAH
	GCEXL13.0AAA
	GCEXL95.0AAA
DEERE	GJDXL02.9142
	GJDXL04.5119
	GJDXL04.5141
	GJDXL04.5212
	GJDXL04.5214
	GJDXL06.8120
	GJDXL09.0114
	GJDXL13.5132
	GJDXL13.5146
DETROIT DIESEL	GDDXL14.0WLD
FPT INDUSTRIAL	GFPXL04.5DCB
	GFPXL06.7DGB
	GFPXL06.7DGS
	GFPXL08.7TR3
	GFPXL10.3TR3

Model Year 2016 Engines (continued)

Manufacturer	Engine Families
ISM	GH3XL2.22N4L
KUBOTA.	GKBXL03.6BAC
KUKJE MACHINERY	GKMCL3.41D43
MERCEDES-BENZ	GMBXL07.2RJC
MITSUBISHI	GMVXL03.3AAJ
	GMVXL03.3CBA
	GMVXL24.5BBA
	GMVXL33.9BBA
	GMVXL37.1BBA
	GMVXL49.0BBA
	GMVXL65.4BBA
MTU DD	GMDDL14.0ZWK
	GMDDL21.0ZWR
	GMDDL31.8XRR
	GMDDL35.8GRR
	GMDDL40.1GNR
	GMDDL95.4GTR
PERKINS	GPKXL04.4NH1
	GPKXL04.4NJ1
	GPKXL04.4NM1
	GPKXL04.4NM2
	GPKXL04.4NR1
	GPKXL04.4NR2
	GPKXL06.6PJ1
	GPKXL06.6PJ2
	GPKXL07.0PW1
	GPKXL07.0PW2
VPX	GVPXL16.1ACB
	GVPXL16.1ACG
	GVPXL16.1ACW

Manufacturer	Engine Families
Caterpillar Inc.	HCPXL08.8NZS
	HCPXL106.NZS
	HCPXL12.5NYS
	HCPXL15.2NYS
	HCPXL15.2NZS
	HCPXL18.1NYS
	HCPXL18.1NZS
	HCPXL27.0NZS
	HCPXL32.0NZS
	HCPXL78.1NZS
Cummins Inc.	HCEXL015.AAH
	HCEXL015.AAJ
	HCEXL019.AAD
	HCEXL023.AAB
	HCEXL0275AAG
	HCEXL0275AAH
	HCEXL0275AAK
	HCEXL030.AAD
	HCEXL0409AAB
	HCEXL0409AAC
	HCEXL0409AAD
	HCEXL050.AAD
	HCEXL0505AAE
	HCEXL0540AAB
	HCEXL060.AAD
	HCEXL0661AAH
	HCEXL95.0AAA
DEERE	HJDXL02.9142
	HJDXL04.5119
	HJDXL04.5141
	HJDXL04.5212
	HJDXL04.5214
	HJDXL06.8120
	HJDXL09.0114
	HJDXL13.5132
	HJDXL13.5146
DETROIT DIESEL	HDDXL14.0WLD
FPT INDUSTRIAL	HFPXL04.5DCB
	HFPXL06.7DGB
	HFPXL06.7DGS
	HFPXL08.7TR3
	HFPXL10.3TR3
	HFPXL12.9IGR

Manufacturer	Engine Families
ISM	HH3XL2.22N4L
KUBOTA.	HKBXL03.6BAC
KUKJE MACHINERY	HKMCL3.41D43
LMB	HLHAL45.0ESP
	HLHAL103.ESP
MERCEDES-BENZ	HMBXL07.2RJC
MITSUBISHI	HMVXL03.3AAJ
	HMVXL03.3CBA
	HMVXL24.5BBA
	HMVXL33.9BBA
	HMVXL37.1BBA
	HMVXL49.0BBA
	HMVXL65.4BBA
MTU DD	HMDDL14.0ZWK
	HMDDL21.0ZWR
	HMDDL31.8XRR
	HMDDL35.8GRR
	HMDDL40.1GNR
	HMDDL95.4GTR
PERKINS	HPKXL04.4NL1
	HPKXL04.4NM1
	HPKXL04.4NM2
	HPKXL04.4NP1
	HPKXL04.4NR1
	HPKXL04.4NR2
	HPKXL07.0PW1
	HPKXL07.0PW2
VPX	HVPXL16.1ACB
	HVPXL16.1ACG
	HVPXL16.1ACW

Manufacturer	Engine Families
Caterpillar Inc.	JCPXL08.8NZS
	JCPXL106.NZS
	JCPXL12.5NYS
	JCPXL15.2NYS
	JCPXL15.2NZS
	JCPXL18.1NYS
	JCPXL18.1NZS
	JCPXL27.0NZS
	JCPXL32.0NZS
	JCPXL78.1NZS
Cummins Inc.	JCEXL015.AAH
	JCEXL015.AAJ
	JCEXL019.AAD
	JCEXL023.AAB
	JCEXL0275AAG
	JCEXL0275AAH
	JCEXL0275AAK
	JCEXL030.AAD
	JCEXL0409AAB
	JCEXL0409AAC
	JCEXL0409AAD
	JCEXL050.AAD
	JCEXL0505AAE
	JCEXL0540AAB
	JCEXL060.AAD
	JCEXL0661AAH
	JCEXL95.0AAA
DEERE	JJDXL02.9142
	JJDXL04.5119
	JJDXL04.5141
	JJDXL04.5214
	JJDXL06.8120
	JJDXL09.0114
	JJDXL13.5132
	JJDXL13.5146
FPT INDUSTRIAL	JFPXL06.7DGB
	JFPXL06.7DGS
	JFPXL08.7TR3
	JFPXL10.3TR3
	JFPXL12.9IGR
KOEL AMERICAS	JKOEL3.24TAX

Manufacturer	Engine Families
KUBOTA.	JKBXL03.6BAC
KUKJE MACHINERY	JKMCL3.41D43
LMB	JLHAL45.0ESP
	JLHAL103.ESP
MERCEDES-BENZ	JMBXL07.2RJC
MITSUBISHI	JMVXL03.3AAJ
	JMVXL03.3CBA
	JMVXL24.5BBA
	JMVXL33.9BBA
	JMVXL37.1BBA
	JMVXL49.0BBA
	JMVXL65.4BBA
MTU DD	JMDDL14.0ZWK
	JMDDL21.0ZWR
	JMDDL35.8GRR
	JMDDL40.1GNR
	JMDDL95.4GTR
PERKINS	JPKXL04.4NL1
	JPKXL04.4NM1
	JPKXL04.4NM2
	JPKXL04.4NP1
	JPKXL04.4NR1
	JPKXL04.4NR2
	JPKXL07.0PW1
	JPKXL07.0PW2
VPX	JVPXL16.1ACB
	JVPXL16.1ACG
	JVPXL16.1ACW

Manufacturer	Engine Families
Caterpillar Inc.	KCPXL08.8NZS
	KCPXL106.NZS
	KCPXL12.5NYS
	KCPXL15.2NYS
	KCPXL15.2NZS
	KCPXL18.1NYS
	KCPXL18.1NZS
	KCPXL27.0NZS
	KCPXL32.0NZS
	KCPXL78.1NZS
Cummins Inc.	KCEXL015.AAH
	KCEXL015.AAJ
	KCEXL019.AAD
	KCEXL023.AAB
	KCEXL0275AAG
	KCEXL0275AAH
	KCEXL0275AAK
	KCEXL030.AAD
	KCEXL0409AAB
	KCEXL0409AAC
	KCEXL0409AAD
	KCEXL050.AAD
	KCEXL0505AAE
	KCEXL0540AAB
	KCEXL060.AAD
	KCEXL0661AAH
	KCEXL95.0AAA
DEERE	KJDXL02.9142
	KJDXL04.5119
	KJDXL04.5141
	KJDXL04.5214
	KJDXL06.8120
	KJDXL09.0114
	KJDXL13.5132
	KJDXL13.5146
FPT INDUSTRIAL	KFPXL06.7DGB
	KFPXL06.7DGS
	KFPXL08.7TR3
	KFPXL10.3TR3
	KFPXL12.9IGR

Manufacturer	Engine Families
KUBOTA.	KKBXL03.6BAC
KUKJE MACHINERY	KKMCL3.41D43
LMB	KLHAL45.0ESP
	KLHAL103.ESP
MITSUBISHI	KMVXL03.3AAJ
	KMVXL03.3CBA
	KMVXL24.5BBA
	KMVXL33.9BBA
	KMVXL37.1BBA
	KMVXL49.0BBA
	KMVXL65.4BBA
MTU DD	KMDDL14.0ZWK
	KMDDL21.0ZWR
	KMDDL35.8GRR
	KMDDL40.1GNR
	KMDDL95.4GTR
PERKINS	KPKXL04.4NL1
	KPKXL04.4NM1
	KPKXL04.4NM2
	KPKXL04.4NP1
	KPKXL04.4NR1
	KPKXL04.4NR2
	KPKXL07.0PW1
	KPKXL07.0PW2
VPX	KVPXL16.1ACB
	KVPXL16.1ACG
	KVPXL16.1ACW

Manufacturer	Engine Families
Caterpillar Inc.	LCPXL08.8NZS
	LCPXL106.NZS
	LCPXL12.5NYS
	LCPXL15.2NYS
	LCPXL15.2NZS
	LCPXL18.1NYS
	LCPXL18.1NZS
	LCPXL27.0NZS
	LCPXL32.0NZS
	LCPXL78.1NZS
Cummins Inc.	LCEXL015.AAH
	LCEXL015.AAJ
	LCEXL019.AAD
	LCEXL023.AAB
	LCEXL0275AAG
	LCEXL0275AAH
	LCEXL0275AAK
	LCEXL030.AAD
	LCEXL0409AAB
	LCEXL0409AAC
	LCEXL0409AAD
	LCEXL050.AAD
	LCEXL0505AAE
	LCEXL0540AAB
	LCEXL060.AAD
	LCEXL0661AAH
	LCEXL13.0AAA
	LCEXL95.0AAA
DEERE	LJDXL02.9142
	LJDXL04.5119
	LJDXL04.5141
	LJDXL04.5214
	LJDXL06.8120
	LJDXL09.0114
	LJDXL13.5132
	LJDXL13.5146
FPT INDUSTRIAL	LFPXL06.7DGB
	LFPXL06.7DGS
	LFPXL06.7LIM
	LFPXL08.7TR3
	LFPXL10.3TR3
	LFPXL12.9IGR

Manufacturer	Engine Families
JCB	LJCBL04.4TAE
KUBOTA.	LKBXL03.6BAC
KUKJE MACHINERY	LKMCL3.41D43
KOEL	LKOEL3.24TAX
LMB	LLHAL103.ESP
	LLHAL45.0ESP
MERCEDES-BENZ	LMBXL07.2RJC
MITSUBISHI	LMVXL03.3AAJ
	LMVXL03.3CBB
	LMVXL24.5BBA
	LMVXL33.9BBA
	LMVXL37.1BBA
	LMVXL49.0BBA
	LMVXL65.4BBA
MTU DD	LMDDL14.0ZWK
	LMDDL21.0ZWR
	LMDDL35.8GRR
	LMDDL40.1GNR
	LMDDL95.4GTR
	LMDDL95.4GTZ
PERKINS	LPKXL04.4NL1
	LPKXL04.4NM1
	LPKXL04.4NM2
	LPKXL04.4NP1
	LPKXL04.4NR1
	LPKXL04.4NR2
	LPKXL07.0PW1
	LPKXL07.0PW2
VPX	LVPXL16.1ACC
	LVPXL16.1ACG
	LVPXL16.1ACW
WEICHAI	LWEHL52.3EMS

Manufacturer	Engine Families
Cummins Inc.	MCEXL019.AAD
	MCEXL023.AAB
	MCEXL050.AAD
FPT INDUSTRIAL	MFPXL06.7DGB

APPENDIX A-2: EMISSION CALCULATIONS

Table 1. Generator Engine Parameters

Parameter	Critical Backup Generator		Life Safety Generator	Security Building Generator
	Testing & Maintenance 50% Load	Emergency Hours 100% Load		
Make	Caterpillar		Caterpillar	Caterpillar/Perkins
Model	3516C		C18	C7.1
Model Year	2024		2024	2024
Tier Certification [1]	4F		2	3
Engine Family	RCPXL78.1NZS		RCPXL18.1NYS	RPKXL07.0PW1
Maximum Annual Hours of T&M Operation per Engine (hr/yr) [2]	50	-	50	50
Estimated Annual Average Hours of Emergency Operation per Engine (hr/yr) [2]	-	7	7	7
Power Output per Engine (bhp) [3]	1,889	3,633	900	280
Fuel Consumption Rate per Engine (gal/hr) [3]	97.10	171.30	42.70	13.70
Heating Value of Diesel per Engine (Btu/gal) [4]	137,000			
Heat Input per Engine (MMBtu/hr) [5]	13.30	23.47	5.85	1.88
Fuel	Diesel			
Number of Engines	25		1	1
Diesel Particulate Filter Control Efficiency (%) [6]	70		85	N/A
SCR Outlet NH_3 Concentration Limit (ppmv) [7]	10		N/A	N/A
SCR Exhaust Flowrate (acfm) [8]	19,579		N/A	N/A
SCR Exhaust Temperature (F) [8]	915		N/A	N/A

1. The critical backup generator engine is certified to Tier 2 standards and has add-on control technology to be Tier 4F-compliant.
2. Each emergency engine is limited to 50 hr/yr for non-emergency purposes per Title 17, CCR Section 93115.6(a)(3)(A)(1)(c): ATCM for Stationary CI Engines. Although any operation of the engines for emergency purposes is inherently unpredictable and thus difficult to quantify, the annual average hours of emergency operation per generator at data centers has been estimated to be 6.13 hr/yr (0.07% x 8760 hr/yr of available time) from the time period of September 1, 2019 through September 30, 2020, which included multiple emergency events due to the implementation of Pacific Gas & Electricity's Public Safety Power Shutoff (PSPS), severe wildfires, several California Independent System Operator (CAISO)-declared emergencies, and winter storms (CEC, 2022). To evaluate the emissions from emergency use and non-testing and non-maintenance hours per the recommendation of Appendix E of the BAAQMD CEQA Guidelines (2022), the Applicant is conservatively including an evaluation of the emissions from the annual average hours of emergency operation, rounded up to 7 hours per year, to compare against the CEQA Thresholds of Significance.
3. Based on manufacturer data. The Critical Backup Generator's will be tested at approximately 50% load for the majority of the maintenance and testing schedule. During emergency operation, the Critical Backup Generator load is expected to range from 50%-75%. However, for purposes of evaluating impacts from the theoretical annual average emergency operation, the Applicant is conservatively representing the emergency operations at 100% load. The Life Safety Generator and Security Building Generator are conservatively estimated to be tested and run at 100% at all times.
4. Heating value of diesel provided in AP-42, Appendix A (09/85).
5. Heat Input (MMBtu/hr) = Fuel Consumption Rate (gal/hr) * Heating Value of Diesel (Btu/gal) / 1,000,000 (Btu/MMBtu).
6. Control efficiency for the Rypos HDPF/C diesel particulate filter per California Air Resource Board Executive Order DE-07-001-08, available below. It is expected that the DPF will be verified for model year 2024 engines in the forthcoming updated executive orders as the engine is a carryover. Note that for the Critical Backup Generators a minimum abatement efficiency of 70% is conservatively assumed for PM due to the use of the SCR which is not included as part of CARB's verification. The Life Safety Generator does not have an SCR, thus the control efficiency is still set at 85%.
https://ww2.arb.ca.gov/sites/default/files/classic//diesel/verdev/vt/stationary/rypos/eode0700108.pdf and
https://ww2.arb.ca.gov/sites/default/files/classic//diesel/verdev/vt/stationary/rypos/ryposengfam0700108.pdf
7. Assumes an exhaust concentration of ammonia of 10 ppmv at 3% O_2.
8. Exhaust flowrate and temperature per SCR proposal design.

Table 2a. Critical Backup Generator Engine Criteria Pollutant Emission Factors

Operational Case	Pollutant (grams/bhp hr)	100% Load Post Abatement Emission Guarantee [1]	Manufacturer Performance Data [2]	Represented Emission Factor For Calculations
Testing & Maintenance	PM [3]	0.020	0.021	0.021
	NOx [4]	0.50	3.74	0.50
	VOC [4]	0.14	0.29	0.14
	CO [5]	-	0.58	0.58
	SO_2 [6]	-	-	5.50E-03
Emergency Hours	PM [3]	0.020	0.015	0.020
	NOx [4]	0.50	6.38	0.50
	VOC [4]	0.14	0.14	0.14
	CO [5]	-	0.76	0.76
	SO_2 [6]	-	-	5.50E-03

1. Per abatement device (Miratech SCR abatement device and proposed Rypos HDPF/C DPF) emission guarantees.
2. Performance data from generator manufacturer at 50% load for testing and maintenance and 100% load for emergency hours. For PM, the proposed Rypos HDPF/C DPF is verified to achieve 85% abatement efficiency per CARB Executive Order DE-07-001-08. Note that a minimum abatement efficiency of 70% is conservatively assumed for PM due to the use of the SCR which is not included as part of CARB's verification.
3. It is conservatively assumed that emission factors for PM_{10} and $PM_{2.5}$ are equivalent to the emission factor for PM. The PM emission factor uses the most conservative value between the abatement device outlet emission guarantee and the manufacturer performance data and accounting for the DPF's assumed abatement efficiency of 70%.
4. Emission factor for NOx and VOC reflects the lowest value between the post-abatement emission guarantees and the manufacturer performance data.
5. Emission factor for CO is based on manufacturer's performance data at corresponding load.
6. The proposed engines will use ultra low sulfur diesel fuel which contains 0.0015% sulfur as defined under 40 CFR 80, Subpart I. The SO_2 emission factor is from AP-42 Section 3.4, Table 3.4-1 (10/96).

Table 2b. Life Safety Generator & Security Building Generator Engine Criteria Pollutant Emission Factors

Pollutant (grams/bhp hr)	Represented Emission Factor For Calculations	
	Life Safety Generator	Security Generator
PM [1, 2]	0.082	0.100
NOx [1]	4.21	2.744
VOC [1]	0.097	0.142
CO [1]	0.67	0.895
SO_2 [3]	5.50E-03	5.50E-03

1. Conservatively used highest emission factors between emission factors pulled from EPA engine family certification levels and SCAQMD Certified Emergency ICE Generators List.
2. It is conservatively assumed that emission factors for PM_{10} and $PM_{2.5}$ are equivalent to the emission factor for PM.
3. The proposed engines will use ultra low sulfur diesel fuel which contains 0.0015% sulfur as defined under 40 CFR 80, Subpart I. The SO_2 emission factor is from AP-42 Section 3.4, Table 3.4-1 (10/96).

Table 3. Generator Engine Criteria Pollutant Potential to Emit

Operational Case	Pollutant	Potential Hourly Emissions per Engine (lb/hr) [1,2]			Average Daily Emissions (lb/day) [3]	Maximum Annual Emissions (tpy) [4]
		Critical Backup Generator	Life Safety Generator	Security Building Generator		
Testing & Maintenance	$PM/PM_{10}/PM_{2.5}$	0.087	0.024	0.062	0.30	0.05
	NO_x	2.1	8.36	1.69	7.32	1.34
	VOC	0.58	0.19	0.09	2.00	0.37
	CO	2.42	1.33	0.55	8.31	1.52
	SO_2	0.023	0.011	3.40E-03	0.08	1.44E-02
Emergency Hours	$PM/PM_{10}/PM_{2.5}$	0.16	0.02	0.06	0.08	1.43E-02
	NO_x	4.0	8.4	1.7	2.11	0.39
	VOC	1.12	0.19	0.09	0.54	0.10
	CO	6.09	1.33	0.55	2.95	0.54
	SO_2	0.044	0.011	3.40E-03	0.02	3.91E-03

1. Conversion from gram to pound: 1 g = 0.0022 lbs

2. Potential emissions per engine for NO_x, VOC, CO, and SO_2 (lb/hr) = Emission Factor (gram/bhp-hr) * 0.0022 lbs/gram * Power Output (bhp).
   Potential emissions per engine for the life safety generator for PM, PM_{10}, and $PM_{2.5}$ (lb/hr) = Emission Factor (gram/bhp-hr) * 0.0022 lbs/gram * Power Output (bhp) * [1- Control Efficiency (%)].
   Potential emissions per engine for the critical backup generator and security building generator for PM, PM_{10}, and $PM_{2.5}$ (lb/hr) = Emission Factor (gram/bhp-hr) * 0.0022 lbs/gram * Power Output (bhp).

3. Average Daily Emissions (lb/day) = Maximum Annual Emissions (tpy) * 2,000 (lb/ton) / 365 (days/year).

4. Maximum Annual Emissions (tpy) = Critical Backup Generator Emissions (lb/hr) * Critical Backup Generator Hours Per Year (hr/yr) * Number of generators / 2,000 (lb/ton) + Life Safety Generator Emissions (lb/hr) * Life Safety Generator Hours Per Year (hr/yr) * Number of generators / 2,000 (lb/ton)+ Security Building Generator Potential Emissions (lb/hr) * Security Building Generator Hours Per Year (hr/yr) * Number of generators / 2,000 (lb/ton)

Table 4. Critical Backup Generator Ammonia Emissions

Operational Case	Pollutant	Potential Emissions per Engine			Total Annual Emissions (tpy) (all engines) [4]
		Hourly Emissions (lb/hr) [1]	Daily Emissions (lb/day) [2]	Annual Emissions (tpy) [3]	
Testing & Maintenance	Ammonia	0.20	4.78	4.98E-03	0.12
Emergency Hours		0.20	1.40	6.98E-04	0.02

1. Hourly Emissions (lb/hr) = Ammonia concentration (ppmv)/ 10^6 * Flowrate (acfm) * [60 min/hr] * [Standard Temperature (K) / SCR Temperature (K)] * Pressure (atm) / [Gas Constant (ft^3-atm/K-lbmol) * Temperature (K)] * MW_{NH3} (lb/lbmol).

Where:		
Pressure =	1	atm
R =	1.314	ft^3atm/K-lbmol
Temperature =	266	K
Molecular Weight of NH_3 =	17.03	(lb/lb-mol)

2. Daily Emissions (lb/day) = Hourly Emissions (lb/hr) * Daily Hours of Operation (hr/day).
The Critical Backup Generator T&M Maximum Hours Per Day for any combination of critical backup generator engines is 24 hours.
For emergency operations, the Daily Hours of Operation are assumed equal to the annual average estimate of 7 hours.
3. Annual Emissions (tpy) = Hourly Emissions (lb/hr) * Annual Operating Hours (hr/yr) / 2,000 (lb/ton).
4. Total Annual Emissions (tpy) = Annual Emissions (tpy) * Number of Engines.

Table 5. Comparison of Testing and Maintenance TAC Emissions to BAAQMD Toxic Thresholds

Pollutant	Hourly Emissions (lb/hr) [1]	Acute (1 hr max) Trigger Level (lb/hr) [2]	Annual Emissions (lb/year) [3]	Chronic Trigger Level (lb/year) [2]	Table 2 5 1 Thresholds Exceeded?
Diesel Particulate Matter (DPM)	0.16	N/A	109.92	0.26	Yes
Ammonia	0.20	1.4	249.21	7,700	No

1. Hourly Emission Rate (lb/hr) reflects the maximum potential emissions from testing one critical back-up generator, which is the maximum number of generators tested at any point of time.
2. Acute and chronic TAC thresholds from BAAQMD Regulation 2-5, Table 2-5-1 Toxic Air Contaminant Trigger Levels.
3. Annual Emission Rate (lb/year) = Total Annual Testing & Maintenance Emissions (tpy) * 2,000 lb/ton. Per BAAQMD Section 2-5-111, the Rule 2-5 standards shall not apply to toxic air contaminant emissions occuring from emergency use of emergency standby engines.

Table 6. Generator Engine Greenhouse Gas Potential to Emit

Pollutant	Global Warming Potential [1]	Emission Factor (kg/MMBtu) [2]	Potential CO_2e Emissions Per Engine (MT per year) [3]			Facility Wide Generator Engine Potential CO_2e Emissions (all engines) (MT per year) [4]
			Critical Backup Generator	Life Safety Generator	Security Building Generator	
Testing and Maintenance CO_2	1	74	49.19	21.63	6.94	1,258
Testing and Maintenance CH_4	25	3.00E-03	4.99E-02	2.19E-02	7.04E-03	1.28
Testing and Maintenance N_2O	298	6.00E-04	1.19E-01	5.23E-02	1.68E-02	3.04
					Total CO_2e Emissions (MT):	**1,263**
Emergency CO_2	1	74	12.15	3.03	0.97	308
Emergency CH_4	25	3.00E-03	1.23E-02	3.07E-03	9.85E-04	0.31
Emergency N_2O	298	6.00E-04	2.94E-02	7.32E-03	2.35E-03	0.74
					Total CO_2e Emissions (MT):	**309**

1. Global Warming Potentials are obtained from Subpart A of 40 CFR 98, Table A–1 "Global Warming Potentials" (11/29/13).

2. Emission factor for carbon dioxide is obtained from 40 CFR 98, Table C–1 to Subpart C for Distillate Fuel Oil No. 2. Emission factors for methane and nitrous oxide are obtained from 40 CFR 98, Table C–2 to Subpart C for Petroleum Products.

3. CO_2e Potential Emissions Per Engine per Pollutant (MT per year) = EF (kg/MMBtu) * GWP * Heat Input (MMBtu/hr) * Annual Hours of Operation (hr/yr) /1,000 kg/MT).

4. Total CO_2e Potential Emissions (MT per year) = Sum of CO_2e Potential Emissions per Critical Backup Generator Engine per Pollutant (MT per year) * Number of engines + Sum of CO_2e Potential Emissions per Life Safety Generator Engine per Pollutant (MT per year) * Number of engines + Sum of CO2e Potential Emissions per Security Building Generator Engine per Pollutant (MT per year) * Number of engines.

Table 7. Generator Engine Comparison to BAAQMD CEQA Thresholds of Significance

Pollutant	Average Daily Operational Significance Threshold [1]	Average Daily Facility Wide Generator Engine Emissions [2]	Average Daily Threshold Exceeded?	Maximum Annual Operational Significance Threshold [1]	Maximum Annual Facility Wide Generator Engine Emissions [2]	Maximum Annual Threshold Exceeded?
	(lb/day)			(tpy)		
PM_{10}	82	0.38	No	15	0.07	No
$PM_{2.5}$	54	0.38	No	10	0.07	No
NO_x	54	9.44	No	10	1.72	No
ROG	54	2.55	No	10	0.46	No
CO	N/A	11.26	N/A	N/A	2.06	N/A
SO_2	N/A	0.10	N/A	N/A	0.02	N/A
GHGs - Stationary Sources (MT/yr)	--	--	--	10,000	1,572	No

1. Per Table 3-1 and Section 6.4 of the BAAQMD 2022 California Environmental Quality Act Air Quality Guidelines available here: https://www.baaqmd.gov/plans-and-climate/california-environmental-quality-act-ceqa/updated-ceqa-guidelines

2. Facility-wide Generator Engine Emissions represent the sum of emissions from testing and maintenance operation and the estimated annual average emergency operation.

APPENDIX A-3: CALEEMOD OUTPUT FILES

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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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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	220.50	1000sqft	52.47	220,500.00	0
Other Asphalt Surfaces	140.31	1000sqft	3.22	140,312.00	0
Parking Lot	13.55	1000sqft	0.31	13,555.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**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 - 100% carbon-free electricity will be purchased.

Land Use - Per construction data provided by client.

Construction Phase - Per construction data provided by client.

Off-road Equipment - Per construction data provided by client, including Concrete Vibrator.

Off-road Equipment - Per construction data provided by the client.

Off-road Equipment - Per construction data provided by client.

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

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

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment - Per construction data provided by the client, including Concrete Vibrator.

Trips and VMT - Based on import and export volumes and phasing.

Grading -

Vehicle Trips - Trip rate and trip length per Gilroy Data Center Project VMT Analysis (Hexagon, 2023).

Energy Use - 49.5MWhr per day. No proposed NG usage.

Construction Off-road Equipment Mitigation - Updated to Tier 3/Tier 4 as a mitigation measure. Additional fugitive dust mitigation measures per BAAQMD CEQA Guidelines.

Mobile Commute Mitigation -

Area Mitigation -

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

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	26.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	54.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	26.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	26.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	13.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	40.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3

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

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	1,110.00	71.00

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

tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	1,110.00	105.00
tblConstructionPhase	NumDays	1,110.00	60.00
tblConstructionPhase	NumDays	1,110.00	86.00
tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	110.00	30.00
tblConstructionPhase	NumDays	75.00	91.00
tblConstructionPhase	NumDays	40.00	11.00
tblEnergyUse	LightingElect	3.08	747.77
tblEnergyUse	NT24E	3.70	898.29
tblEnergyUse	NT24NG	6.67	0.00
tblEnergyUse	T24E	1.32	320.47
tblEnergyUse	T24NG	19.51	0.00
tblGrading	AcresOfGrading	180.00	135.00
tblGrading	MaterialExported	0.00	53,000.00
tblGrading	MaterialImported	0.00	105,000.00
tblLandUse	LandUseSquareFeet	140,310.00	140,312.00
tblLandUse	LandUseSquareFeet	13,550.00	13,555.00
tblLandUse	LotAcreage	5.06	52.47
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
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 Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

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

tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0
tblProjectCharacteristics	CO2IntensityFactor	203.98	0
tblProjectCharacteristics	N2OIntensityFactor	0.004	0
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripNumber	0.00	356.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TL	6.60	19.13
tblVehicleTrips	CNW_TTP	13.00	9.50
tblVehicleTrips	CW_TL	14.70	19.13
tblVehicleTrips	CW_TTP	59.00	90.50
tblVehicleTrips	ST_TR	1.99	0.99
tblVehicleTrips	SU_TR	5.00	0.99
tblVehicleTrips	WD_TR	4.96	0.99

2.0 Emissions Summary

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

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.7869	7.8333	8.1150	0.0211	0.6738	0.3031	0.9768	0.2420	0.2844	0.5264	0.0000	1,897.7071	1,897.7071	0.3518	0.0820	1,930.9372
2025	6.5389	5.3160	5.9119	0.0139	0.3058	0.2064	0.5121	0.0829	0.1950	0.2779	0.0000	1,215.6076	1,215.6076	0.1952	0.0339	1,230.5838
2026	6.4274	4.2932	4.8864	0.0116	0.2988	0.1640	0.4628	0.0810	0.1560	0.2371	0.0000	1,010.7389	1,010.7389	0.1331	0.0325	1,023.7468
2027	2.4808	0.9742	1.1049	2.6100e-003	0.0681	0.0373	0.1053	0.0185	0.0355	0.0539	0.0000	227.9331	227.9331	0.0302	7.2000e-003	230.8312
Maximum	**6.5389**	**7.8333**	**8.1150**	**0.0211**	**0.6738**	**0.3031**	**0.9768**	**0.2420**	**0.2844**	**0.5264**	**0.0000**	**1,897.7071**	**1,897.7071**	**0.3518**	**0.0820**	**1,930.9372**

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

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.3750	5.2137	8.6080	0.0206	0.4676	0.2294	0.6970	0.1537	0.2262	0.3798	0.0000	1,858.5871	1,858.5871	0.3478	0.0820	1,891.7178
2025	6.1439	2.9838	5.5935	0.0123	0.3058	0.1647	0.4704	0.0829	0.1640	0.2469	0.0000	1,097.7343	1,097.7343	0.1840	0.0339	1,112.4304
2026	6.0960	2.6308	4.3711	9.9300e-003	0.2988	0.1486	0.4474	0.0810	0.1484	0.2294	0.0000	893.1549	893.1549	0.1220	0.0325	905.8835
2027	2.4055	0.5970	0.9879	2.2400e-003	0.0681	0.0338	0.1018	0.0185	0.0338	0.0522	0.0000	201.2384	201.2384	0.0276	7.2000e-003	204.0731
Maximum	**6.1439**	**5.2137**	**8.6080**	**0.0206**	**0.4676**	**0.2294**	**0.6970**	**0.1537**	**0.2262**	**0.3798**	**0.0000**	**1,858.5871**	**1,858.5871**	**0.3478**	**0.0820**	**1,891.7178**

	ROG	NOx	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	**7.48**	**37.96**	**2.29**	**8.44**	**15.31**	**18.89**	**16.55**	**20.81**	**14.69**	**17.06**	**0.00**	**6.92**	**6.92**	**4.07**	**0.00**	**6.84**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**4-8-2024**	**7-7-2024**	3.1192	1.9637
2	**7-8-2024**	**10-7-2024**	2.0071	1.7362
3	**10-8-2024**	**1-7-2025**	6.5092	4.8437
4	**1-8-2025**	**4-7-2025**	53.7279	52.5962
5	**4-8-2025**	**7-7-2025**	61.7382	61.2004
6	**7-8-2025**	**10-7-2025**	56.9696	56.4816
7	**10-8-2025**	**1-7-2026**	28.1758	27.7122
8	**1-8-2026**	**4-7-2026**	59.1527	58.6379

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

9	**4-8-2026**	**7-7-2026**	59.1255	58.6184
10	**7-8-2026**	**10-7-2026**	53.0987	52.6373
11	**10-8-2026**	**1-7-2027**	24.8945	24.3883
12	**1-8-2027**	**4-7-2027**	47.4706	47.0665
		Highest	61.7382	61.2004

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	0.9896	3.0000e-005	3.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.6900e-003	6.6900e-003	2.0000e-005	0.0000	7.1200e-003
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	0.1448	0.2041	1.7895	4.4800e-003	0.5239	2.9800e-003	0.5269	0.1398	2.7700e-003	0.1426	0.0000	413.4315	413.4315	0.0196	0.0162	418.7494
Waste						0.0000	0.0000		0.0000	0.0000	55.5018	0.0000	55.5018	3.2801	0.0000	137.5033
Water						0.0000	0.0000		0.0000	0.0000	16.1770	0.0000	16.1770	1.6615	0.0392	69.4065
Total	**1.1345**	**0.2042**	**1.7929**	**4.4800e-003**	**0.5239**	**2.9900e-003**	**0.5269**	**0.1398**	**2.7800e-003**	**0.1426**	**71.6788**	**413.4382**	**485.1170**	**4.9612**	**0.0554**	**625.6663**

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	0.9252	3.0000e-005	3.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.6900e-003	6.6900e-003	2.0000e-005	0.0000	7.1200e-003
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	0.1448	0.2041	1.7895	4.4800e-003	0.5239	2.9800e-003	0.5269	0.1398	2.7700e-003	0.1426	0.0000	413.4315	413.4315	0.0196	0.0162	418.7494
Waste						0.0000	0.0000		0.0000	0.0000	55.5018	0.0000	55.5018	3.2801	0.0000	137.5033
Water						0.0000	0.0000		0.0000	0.0000	16.1770	0.0000	16.1770	1.6615	0.0392	69.4065
Total	**1.0701**	**0.2042**	**1.7929**	**4.4800e-003**	**0.5239**	**2.9900e-003**	**0.5269**	**0.1398**	**2.7800e-003**	**0.1426**	**71.6788**	**413.4382**	**485.1170**	**4.9612**	**0.0554**	**625.6663**

	ROG	NOx	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	**5.67**	**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	Site and Building #1 - Site Preparation	Site Preparation	4/8/2024	4/22/2024	5	11	
2	Site and Building #1 - Grading	Grading	4/8/2024	5/17/2024	5	30	
3	Site and Building #1 - Foundation	Building Construction	5/15/2024	10/8/2024	5	105	

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

4	Site and Building #1 - Structural/Building Exterior/Roof	Building Construction	9/18/2024	12/10/2024	5	60	
5	Site and Building #1 - ROMP01	Building Construction	10/28/2024	2/24/2025	5	86	
6	Site and Building #1 - Paving	Paving	10/30/2024	3/3/2025	5	91	
7	Site and Building #1 - ROMP02	Building Construction	1/27/2025	5/5/2025	5	71	
8	Site and Building #1 - ROMP01 ArcCoa	Architectural Coating	2/25/2025	2/26/2025	5	2	
9	Site and Building #1 - ROMP03	Building Construction	4/7/2025	7/14/2025	5	71	
10	Site and Building #1 - ROMP02 ArcCoa	Architectural Coating	5/6/2025	5/7/2025	5	2	
11	Site and Building #1 - ROMP04	Building Construction	6/16/2025	9/22/2025	5	71	
12	Site and Building #1 - ROMP03 ArcCoa	Architectural Coating	7/15/2025	7/16/2025	5	2	
13	Site and Building #1 - ROMP05	Building Construction	8/25/2025	12/1/2025	5	71	
14	Site and Building #1 - ROMP04 ArcCoa	Architectural Coating	9/23/2025	9/24/2025	5	2	
15	Site and Building #1 - ROMP06	Building Construction	11/3/2025	2/9/2026	5	71	
16	Site and Building #1 - ROMP05 ArcCoa	Architectural Coating	12/2/2025	12/3/2025	5	2	
17	Site and Building #1 - ROMP07	Building Construction	1/12/2026	4/20/2026	5	71	
18	Site and Building #1 - ROMP06 ArcCoa	Architectural Coating	2/10/2026	2/11/2026	5	2	
19	Site and Building #1 - ROMP08	Building Construction	3/23/2026	6/29/2026	5	71	
20	Site and Building #1 - ROMP07 ArcCoa	Architectural Coating	4/21/2026	4/22/2026	5	2	
21	Site and Building #1 - ROMP09	Building Construction	6/1/2026	9/7/2026	5	71	
22	Site and Building #1 - ROMP08 ArcCoa	Architectural Coating	6/30/2026	7/1/2026	5	2	
23	Site and Building #1 - ROMP10	Building Construction	8/10/2026	11/16/2026	5	71	
24	Site and Building #1 - ROMP09 ArcCoa	Architectural Coating	9/8/2026	9/9/2026	5	2	
25	Site and Building #1 - ROMP11	Building Construction	10/19/2026	1/25/2027	5	71	
26	Site and Building #1 - ROMP10 ArcCoa	Architectural Coating	11/17/2026	11/18/2026	5	2	
27	Site and Building #1 - ROMP12	Building Construction	12/28/2026	4/5/2027	5	71	
28	Site and Building #1 - ROMP11 ArcCoa	Architectural Coating	1/26/2027	1/27/2027	5	2	
29	Site and Building #1 - ROMP12 ArcCoa	Architectural Coating	4/6/2027	4/7/2027	5	2	

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Acres of Grading (Site Preparation Phase): 44

Acres of Grading (Grading Phase): 135

Acres of Paving: 3.53

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 330,750; Non-Residential Outdoor: 110,250; Striped Parking Area: 9,232 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site and Building #1 - Site Preparation	Concrete/Industrial Saws	0	8.00	81	0.73
Site and Building #1 - Site Preparation	Excavators	4	8.00	158	0.38
Site and Building #1 - Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site and Building #1 - Site Preparation	Scrapers	4	8.00	367	0.48
Site and Building #1 - Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site and Building #1 - Grading	Excavators	3	8.00	158	0.38
Site and Building #1 - Grading	Graders	3	8.00	187	0.41
Site and Building #1 - Grading	Rollers	3	8.00	80	0.38
Site and Building #1 - Grading	Rubber Tired Dozers	3	8.00	247	0.40
Site and Building #1 - Grading	Scrapers	3	8.00	367	0.48
Site and Building #1 - Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site and Building #1 - Foundation	Bore/Drill Rigs	4	8.00	221	0.50
Site and Building #1 - Foundation	Cement and Mortar Mixers	4	8.00	9	0.56
Site and Building #1 - Foundation	Cranes	0	8.00	231	0.29
Site and Building #1 - Foundation	Excavators	3	8.00	158	0.38
Site and Building #1 - Foundation	Forklifts	0	8.00	89	0.20
Site and Building #1 - Foundation	Generator Sets	0	8.00	84	0.74
Site and Building #1 - Foundation	Other Construction Equipment	4	8.00	172	0.42
Site and Building #1 - Foundation	Pumps	4	8.00	84	0.74
Site and Building #1 - Foundation	Tractors/Loaders/Backhoes	3	8.00	97	0.37

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

Site and Building #1 - Foundation	Welders	0	8.00	46	0.45
Site and Building #1 - Structural/Building Exterior/Roof	Cement and Mortar Mixers	4	8.00	9	0.56
Site and Building #1 - Structural/Building Exterior/Roof	Cranes	2	8.00	231	0.29
Site and Building #1 - Structural/Building Exterior/Roof	Forklifts	6	8.00	89	0.20
Site and Building #1 - Structural/Building Exterior/Roof	Generator Sets	2	8.00	84	0.74
Site and Building #1 - Structural/Building Exterior/Roof	Other Construction Equipment	4	8.00	172	0.42
Site and Building #1 - Structural/Building Exterior/Roof	Pumps	4	8.00	84	0.74
Site and Building #1 - Structural/Building Exterior/Roof	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site and Building #1 - Structural/Building Exterior/Roof	Welders	4	8.00	46	0.45
Site and Building #1 - ROMP01	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP01	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP01	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP01	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP01	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP01	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP01	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP01	Welders	3	8.00	46	0.45
Site and Building #1 - Paving	Excavators	2	8.00	158	0.38
Site and Building #1 - Paving	Graders	2	8.00	187	0.41
Site and Building #1 - Paving	Pavers	2	8.00	130	0.42
Site and Building #1 - Paving	Paving Equipment	2	8.00	132	0.36
Site and Building #1 - Paving	Plate Compactors	2	8.00	8	0.43
Site and Building #1 - Paving	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - Paving	Rollers	2	8.00	80	0.38
Site and Building #1 - Paving	Rubber Tired Dozers	2	8.00	247	0.40
Site and Building #1 - Paving	Scrapers	2	8.00	367	0.48
Site and Building #1 - Paving	Tractors/Loaders/Backhoes	2	8.00	97	0.37

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Site and Building #1 - ROMP02		0		0	
Site and Building #1 - ROMP02	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP02	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP02	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP02	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP02	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP02	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP02	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Site and Building #1 - ROMP02	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP01 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP03	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP03	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP03	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP03	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP03	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP03	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP03	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP03	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP02 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP04	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP04	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP04	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP04	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP04	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP04	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP04	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP04	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP03 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP05	Air Compressors	0	8.00	78	0.48

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

Site and Building #1 - ROMP05	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP05	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP05	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP05	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP05	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP05	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP05	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP04 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP06	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP06	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP06	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP06	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP06	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP06	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP06	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP06	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP05 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP07	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP07	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP07	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP07	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP07	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP07	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP07	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP07	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP06 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP08	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP08	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP08	Forklifts	4	8.00	89	0.20

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

Site and Building #1 - ROMP08	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP08	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP08	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP08	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP08	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP07 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP09	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP09	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP09	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP09	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP09	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP09	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP09	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP09	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP08 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP10	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP10	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP10	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP10	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP10	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP10	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP10	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP10	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP09 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP11	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP11	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP11	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP11	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP11	Pressure Washers	2	8.00	13	0.30

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

Site and Building #1 - ROMP11	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP11	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP11	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP10 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP12	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP12	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP12	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP12	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP12	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP12	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP12	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP12	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP11 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP12 ArcCoa	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site and Building #1 - Site Preparation	12	30.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - Grading	18	45.00	0.00	13,125.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - Foundation	22	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - Structural/Building Ext	27	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP01	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - Paving	20	50.00	0.00	356.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP02	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP01 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP03	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP02 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

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Site and Building #1 - ROMP04	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP03 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP05	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP04 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP06	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP05 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP07	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP06 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP08	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP07 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP09	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP08 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP10	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP09 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP11	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP10 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP12	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP11 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP12 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	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

Reduce Vehicle Speed on Unpaved Roads

GBGF - Phase 1 Option 1 - Santa Clara County, Annual

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

3.2 Site and Building #1 - Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0233	0.0000	0.0233	2.5200e-003	0.0000	2.5200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0239	0.2320	0.2523	5.2000e-004		9.6700e-003	9.6700e-003		8.9000e-003	8.9000e-003	0.0000	45.3274	45.3274	0.0147	0.0000	45.6939
Total	**0.0239**	**0.2320**	**0.2523**	**5.2000e-004**	**0.0233**	**9.6700e-003**	**0.0330**	**2.5200e-003**	**8.9000e-003**	**0.0114**	**0.0000**	**45.3274**	**45.3274**	**0.0147**	**0.0000**	**45.6939**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	2.6000e-004	3.4400e-003	1.0000e-005	1.3100e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.9644	0.9644	3.0000e-005	3.0000e-005	0.9728
Total	**3.9000e-004**	**2.6000e-004**	**3.4400e-003**	**1.0000e-005**	**1.3100e-003**	**1.0000e-005**	**1.3100e-003**	**3.5000e-004**	**1.0000e-005**	**3.5000e-004**	**0.0000**	**0.9644**	**0.9644**	**3.0000e-005**	**3.0000e-005**	**0.9728**

GBGF - Phase 1 Option 1 - Santa Clara County, Annual

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

3.2 Site and Building #1 - Site Preparation - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0105	0.0000	0.0105	1.1300e-003	0.0000	1.1300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.9000e-003	0.0523	0.2737	5.2000e-004		2.1800e-003	2.1800e-003		2.0600e-003	2.0600e-003	0.0000	45.3273	45.3273	0.0147	0.0000	45.6938
Total	**8.9000e-003**	**0.0523**	**0.2737**	**5.2000e-004**	**0.0105**	**2.1800e-003**	**0.0127**	**1.1300e-003**	**2.0600e-003**	**3.1900e-003**	**0.0000**	**45.3273**	**45.3273**	**0.0147**	**0.0000**	**45.6938**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	2.6000e-004	3.4400e-003	1.0000e-005	1.3100e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.9644	0.9644	3.0000e-005	3.0000e-005	0.9728
Total	**3.9000e-004**	**2.6000e-004**	**3.4400e-003**	**1.0000e-005**	**1.3100e-003**	**1.0000e-005**	**1.3100e-003**	**3.5000e-004**	**1.0000e-005**	**3.5000e-004**	**0.0000**	**0.9644**	**0.9644**	**3.0000e-005**	**3.0000e-005**	**0.9728**

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

3.3 Site and Building #1 - Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3515	0.0000	0.3515	0.1580	0.0000	0.1580	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1026	1.0510	0.8147	1.8600e-003		0.0439	0.0439		0.0404	0.0404	0.0000	162.9979	162.9979	0.0527	0.0000	164.3158
Total	**0.1026**	**1.0510**	**0.8147**	**1.8600e-003**	**0.3515**	**0.0439**	**0.3955**	**0.1580**	**0.0404**	**0.1985**	**0.0000**	**162.9979**	**162.9979**	**0.0527**	**0.0000**	**164.3158**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0137	0.8928	0.2084	3.9000e-003	0.1114	7.2900e-003	0.1187	0.0306	6.9700e-003	0.0376	0.0000	386.7706	386.7706	0.0133	0.0613	405.3773
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5800e-003	1.0500e-003	0.0141	4.0000e-005	5.3500e-003	3.0000e-005	5.3800e-003	1.4200e-003	2.0000e-005	1.4500e-003	0.0000	3.9453	3.9453	1.1000e-004	1.1000e-004	3.9796
Total	**0.0153**	**0.8938**	**0.2225**	**3.9400e-003**	**0.1167**	**7.3200e-003**	**0.1240**	**0.0321**	**6.9900e-003**	**0.0391**	**0.0000**	**390.7159**	**390.7159**	**0.0134**	**0.0614**	**409.3568**

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

3.3 Site and Building #1 - Grading - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1582	0.0000	0.1582	0.0711	0.0000	0.0711	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0295	0.2092	0.9556	1.8600e-003		0.0102	0.0102		9.9500e-003	9.9500e-003	0.0000	162.9977	162.9977	0.0527	0.0000	164.3156
Total	**0.0295**	**0.2092**	**0.9556**	**1.8600e-003**	**0.1582**	**0.0102**	**0.1684**	**0.0711**	**9.9500e-003**	**0.0811**	**0.0000**	**162.9977**	**162.9977**	**0.0527**	**0.0000**	**164.3156**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0137	0.8928	0.2084	3.9000e-003	0.1114	7.2900e-003	0.1187	0.0306	6.9700e-003	0.0376	0.0000	386.7706	386.7706	0.0133	0.0613	405.3773
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5800e-003	1.0500e-003	0.0141	4.0000e-005	5.3500e-003	3.0000e-005	5.3800e-003	1.4200e-003	2.0000e-005	1.4500e-003	0.0000	3.9453	3.9453	1.1000e-004	1.1000e-004	3.9796
Total	**0.0153**	**0.8938**	**0.2225**	**3.9400e-003**	**0.1167**	**7.3200e-003**	**0.1240**	**0.0321**	**6.9900e-003**	**0.0391**	**0.0000**	**390.7159**	**390.7159**	**0.0134**	**0.0614**	**409.3568**

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

3.4 Site and Building #1 - Foundation - 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	0.2415	2.1414	2.9830	6.1200e-003		0.0969	0.0969		0.0914	0.0914	0.0000	531.6496	531.6496	0.1367	0.0000	535.0663
Total	**0.2415**	**2.1414**	**2.9830**	**6.1200e-003**		**0.0969**	**0.0969**		**0.0914**	**0.0914**	**0.0000**	**531.6496**	**531.6496**	**0.1367**	**0.0000**	**535.0663**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.2700e-003	0.1325	0.0425	5.9000e-004	0.0191	7.7000e-004	0.0198	5.5100e-003	7.3000e-004	6.2500e-003	0.0000	57.1465	57.1465	1.2100e-003	8.3900e-003	59.6757
Worker	0.0193	0.0128	0.1717	5.3000e-004	0.0654	3.1000e-004	0.0657	0.0174	2.8000e-004	0.0177	0.0000	48.1769	48.1769	1.3000e-003	1.2900e-003	48.5948
Total	**0.0226**	**0.1453**	**0.2142**	**1.1200e-003**	**0.0844**	**1.0800e-003**	**0.0855**	**0.0229**	**1.0100e-003**	**0.0239**	**0.0000**	**105.3234**	**105.3234**	**2.5100e-003**	**9.6800e-003**	**108.2704**

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

3.4 Site and Building #1 - Foundation - 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	0.1507	1.9750	3.2177	6.1200e-003		0.1020	0.1020		0.1001	0.1001	0.0000	531.6490	531.6490	0.1367	0.0000	535.0657
Total	**0.1507**	**1.9750**	**3.2177**	**6.1200e-003**		**0.1020**	**0.1020**		**0.1001**	**0.1001**	**0.0000**	**531.6490**	**531.6490**	**0.1367**	**0.0000**	**535.0657**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.2700e-003	0.1325	0.0425	5.9000e-004	0.0191	7.7000e-004	0.0198	5.5100e-003	7.3000e-004	6.2500e-003	0.0000	57.1465	57.1465	1.2100e-003	8.3900e-003	59.6757
Worker	0.0193	0.0128	0.1717	5.3000e-004	0.0654	3.1000e-004	0.0657	0.0174	2.8000e-004	0.0177	0.0000	48.1769	48.1769	1.3000e-003	1.2900e-003	48.5948
Total	**0.0226**	**0.1453**	**0.2142**	**1.1200e-003**	**0.0844**	**1.0800e-003**	**0.0855**	**0.0229**	**1.0100e-003**	**0.0239**	**0.0000**	**105.3234**	**105.3234**	**2.5100e-003**	**9.6800e-003**	**108.2704**

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

3.5 Site and Building #1 - Structural/Building Exterior/Roof - 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	0.1702	1.4700	1.7630	3.0300e-003		0.0679	0.0679		0.0648	0.0648	0.0000	257.7510	257.7510	0.0486	0.0000	258.9662
Total	**0.1702**	**1.4700**	**1.7630**	**3.0300e-003**		**0.0679**	**0.0679**		**0.0648**	**0.0648**	**0.0000**	**257.7510**	**257.7510**	**0.0486**	**0.0000**	**258.9662**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8700e-003	0.0757	0.0243	3.4000e-004	0.0109	4.4000e-004	0.0113	3.1500e-003	4.2000e-004	3.5700e-003	0.0000	32.6552	32.6552	6.9000e-004	4.7900e-003	34.1004
Worker	0.0110	7.3300e-003	0.0981	3.0000e-004	0.0374	1.8000e-004	0.0375	9.9300e-003	1.6000e-004	0.0101	0.0000	27.5297	27.5297	7.4000e-004	7.4000e-004	27.7684
Total	**0.0129**	**0.0830**	**0.1224**	**6.4000e-004**	**0.0483**	**6.2000e-004**	**0.0489**	**0.0131**	**5.8000e-004**	**0.0137**	**0.0000**	**60.1848**	**60.1848**	**1.4300e-003**	**5.5300e-003**	**61.8688**

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

3.5 Site and Building #1 - Structural/Building Exterior/Roof - 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	0.0613	1.1178	1.7682	2.7300e-003		0.0683	0.0683		0.0683	0.0683	0.0000	235.1643	235.1643	0.0463	0.0000	236.3218
Total	**0.0613**	**1.1178**	**1.7682**	**2.7300e-003**		**0.0683**	**0.0683**		**0.0683**	**0.0683**	**0.0000**	**235.1643**	**235.1643**	**0.0463**	**0.0000**	**236.3218**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8700e-003	0.0757	0.0243	3.4000e-004	0.0109	4.4000e-004	0.0113	3.1500e-003	4.2000e-004	3.5700e-003	0.0000	32.6552	32.6552	6.9000e-004	4.7900e-003	34.1004
Worker	0.0110	7.3300e-003	0.0981	3.0000e-004	0.0374	1.8000e-004	0.0375	9.9300e-003	1.6000e-004	0.0101	0.0000	27.5297	27.5297	7.4000e-004	7.4000e-004	27.7684
Total	**0.0129**	**0.0830**	**0.1224**	**6.4000e-004**	**0.0483**	**6.2000e-004**	**0.0489**	**0.0131**	**5.8000e-004**	**0.0137**	**0.0000**	**60.1848**	**60.1848**	**1.4300e-003**	**5.5300e-003**	**61.8688**

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

3.6 Site and Building #1 - ROMP01 - 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	0.0605	0.5164	0.5364	9.9000e-004		0.0231	0.0231		0.0220	0.0220	0.0000	83.1988	83.1988	0.0161	0.0000	83.6008
Total	**0.0605**	**0.5164**	**0.5364**	**9.9000e-004**		**0.0231**	**0.0231**		**0.0220**	**0.0220**	**0.0000**	**83.1988**	**83.1988**	**0.0161**	**0.0000**	**83.6008**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4600e-003	0.0593	0.0190	2.6000e-004	8.5300e-003	3.4000e-004	8.8800e-003	2.4700e-003	3.3000e-004	2.8000e-003	0.0000	25.5799	25.5799	5.4000e-004	3.7500e-003	26.7120
Worker	8.6400e-003	5.7400e-003	0.0769	2.4000e-004	0.0293	1.4000e-004	0.0294	7.7800e-003	1.3000e-004	7.9100e-003	0.0000	21.5649	21.5649	5.8000e-004	5.8000e-004	21.7519
Total	**0.0101**	**0.0650**	**0.0959**	**5.0000e-004**	**0.0378**	**4.8000e-004**	**0.0383**	**0.0103**	**4.6000e-004**	**0.0107**	**0.0000**	**47.1448**	**47.1448**	**1.1200e-003**	**4.3300e-003**	**48.4639**

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

3.6 Site and Building #1 - ROMP01 - 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	0.0145	0.2699	0.4672	7.8000e-004		0.0184	0.0184		0.0184	0.0184	0.0000	68.2625	68.2625	0.0146	0.0000	68.6265
Total	**0.0145**	**0.2699**	**0.4672**	**7.8000e-004**		**0.0184**	**0.0184**		**0.0184**	**0.0184**	**0.0000**	**68.2625**	**68.2625**	**0.0146**	**0.0000**	**68.6265**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4600e-003	0.0593	0.0190	2.6000e-004	8.5300e-003	3.4000e-004	8.8800e-003	2.4700e-003	3.3000e-004	2.8000e-003	0.0000	25.5799	25.5799	5.4000e-004	3.7500e-003	26.7120
Worker	8.6400e-003	5.7400e-003	0.0769	2.4000e-004	0.0293	1.4000e-004	0.0294	7.7800e-003	1.3000e-004	7.9100e-003	0.0000	21.5649	21.5649	5.8000e-004	5.8000e-004	21.7519
Total	**0.0101**	**0.0650**	**0.0959**	**5.0000e-004**	**0.0378**	**4.8000e-004**	**0.0383**	**0.0103**	**4.6000e-004**	**0.0107**	**0.0000**	**47.1448**	**47.1448**	**1.1200e-003**	**4.3300e-003**	**48.4639**

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

3.6 Site and Building #1 - ROMP01 - 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	0.0469	0.3993	0.4420	8.2000e-004		0.0169	0.0169		0.0161	0.0161	0.0000	69.0380	69.0380	0.0132	0.0000	69.3676
Total	**0.0469**	**0.3993**	**0.4420**	**8.2000e-004**		**0.0169**	**0.0169**		**0.0161**	**0.0161**	**0.0000**	**69.0380**	**69.0380**	**0.0132**	**0.0000**	**69.3676**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1900e-003	0.0490	0.0156	2.1000e-004	7.0800e-003	2.8000e-004	7.3700e-003	2.0500e-003	2.7000e-004	2.3200e-003	0.0000	20.8660	20.8660	4.4000e-004	3.0600e-003	21.7877
Worker	6.7500e-003	4.3000e-003	0.0598	1.9000e-004	0.0243	1.1000e-004	0.0244	6.4600e-003	1.0000e-004	6.5600e-003	0.0000	17.3022	17.3022	4.4000e-004	4.5000e-004	17.4474
Total	**7.9400e-003**	**0.0533**	**0.0754**	**4.0000e-004**	**0.0314**	**3.9000e-004**	**0.0318**	**8.5100e-003**	**3.7000e-004**	**8.8800e-003**	**0.0000**	**38.1682**	**38.1682**	**8.8000e-004**	**3.5100e-003**	**39.2351**

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

3.6 Site and Building #1 - ROMP01 - 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	0.0121	0.2240	0.3876	6.5000e-004		0.0152	0.0152		0.0152	0.0152	0.0000	56.6440	56.6440	0.0120	0.0000	56.9442
Total	**0.0121**	**0.2240**	**0.3876**	**6.5000e-004**		**0.0152**	**0.0152**		**0.0152**	**0.0152**	**0.0000**	**56.6440**	**56.6440**	**0.0120**	**0.0000**	**56.9442**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1900e-003	0.0490	0.0156	2.1000e-004	7.0800e-003	2.8000e-004	7.3700e-003	2.0500e-003	2.7000e-004	2.3200e-003	0.0000	20.8660	20.8660	4.4000e-004	3.0600e-003	21.7877
Worker	6.7500e-003	4.3000e-003	0.0598	1.9000e-004	0.0243	1.1000e-004	0.0244	6.4600e-003	1.0000e-004	6.5600e-003	0.0000	17.3022	17.3022	4.4000e-004	4.5000e-004	17.4474
Total	**7.9400e-003**	**0.0533**	**0.0754**	**4.0000e-004**	**0.0314**	**3.9000e-004**	**0.0318**	**8.5100e-003**	**3.7000e-004**	**8.8800e-003**	**0.0000**	**38.1682**	**38.1682**	**8.8000e-004**	**3.5100e-003**	**39.2351**

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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 Site and Building #1 - Paving - 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	0.1220	1.2213	1.0809	2.3000e-003		0.0519	0.0519		0.0478	0.0478	0.0000	200.6858	200.6858	0.0642	0.0000	202.2917
Paving	2.2900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1243**	**1.2213**	**1.0809**	**2.3000e-003**		**0.0519**	**0.0519**		**0.0478**	**0.0478**	**0.0000**	**200.6858**	**200.6858**	**0.0642**	**0.0000**	**202.2917**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8000e-004	0.0120	2.8000e-003	5.0000e-005	1.4900e-003	1.0000e-004	1.5900e-003	4.1000e-004	9.0000e-005	5.0000e-004	0.0000	5.1877	5.1877	1.8000e-004	8.2000e-004	5.4373
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6300e-003	1.7500e-003	0.0234	7.0000e-005	8.9200e-003	4.0000e-005	8.9600e-003	2.3700e-003	4.0000e-005	2.4100e-003	0.0000	6.5756	6.5756	1.8000e-004	1.8000e-004	6.6326
Total	**2.8100e-003**	**0.0137**	**0.0262**	**1.2000e-004**	**0.0104**	**1.4000e-004**	**0.0106**	**2.7800e-003**	**1.3000e-004**	**2.9100e-003**	**0.0000**	**11.7633**	**11.7633**	**3.6000e-004**	**1.0000e-003**	**12.0699**

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

3.7 Site and Building #1 - Paving - 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	0.0439	0.3884	1.2410	2.2700e-003		0.0188	0.0188		0.0182	0.0182	0.0000	199.0898	199.0898	0.0641	0.0000	200.6918
Paving	2.2900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0462**	**0.3884**	**1.2410**	**2.2700e-003**		**0.0188**	**0.0188**		**0.0182**	**0.0182**	**0.0000**	**199.0898**	**199.0898**	**0.0641**	**0.0000**	**200.6918**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8000e-004	0.0120	2.8000e-003	5.0000e-005	1.4900e-003	1.0000e-004	1.5900e-003	4.1000e-004	9.0000e-005	5.0000e-004	0.0000	5.1877	5.1877	1.8000e-004	8.2000e-004	5.4373
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6300e-003	1.7500e-003	0.0234	7.0000e-005	8.9200e-003	4.0000e-005	8.9600e-003	2.3700e-003	4.0000e-005	2.4100e-003	0.0000	6.5756	6.5756	1.8000e-004	1.8000e-004	6.6326
Total	**2.8100e-003**	**0.0137**	**0.0262**	**1.2000e-004**	**0.0104**	**1.4000e-004**	**0.0106**	**2.7800e-003**	**1.3000e-004**	**2.9100e-003**	**0.0000**	**11.7633**	**11.7633**	**3.6000e-004**	**1.0000e-003**	**12.0699**

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

3.7 Site and Building #1 - Paving - 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	0.1087	1.0495	1.0209	2.2500e-003		0.0439	0.0439		0.0405	0.0405	0.0000	196.1751	196.1751	0.0628	0.0000	197.7448
Paving	2.2400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1109**	**1.0495**	**1.0209**	**2.2500e-003**		**0.0439**	**0.0439**		**0.0405**	**0.0405**	**0.0000**	**196.1751**	**196.1751**	**0.0628**	**0.0000**	**197.7448**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8000e-004	0.0116	2.7500e-003	5.0000e-005	1.4600e-003	1.0000e-004	1.5600e-003	4.0000e-004	9.0000e-005	4.9000e-004	0.0000	4.9747	4.9747	1.7000e-004	7.9000e-004	5.2141
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4300e-003	1.5400e-003	0.0215	7.0000e-005	8.7200e-003	4.0000e-005	8.7600e-003	2.3200e-003	4.0000e-005	2.3600e-003	0.0000	6.2167	6.2167	1.6000e-004	1.6000e-004	6.2689
Total	**2.6100e-003**	**0.0132**	**0.0242**	**1.2000e-004**	**0.0102**	**1.4000e-004**	**0.0103**	**2.7200e-003**	**1.3000e-004**	**2.8500e-003**	**0.0000**	**11.1914**	**11.1914**	**3.3000e-004**	**9.5000e-004**	**11.4830**

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

3.7 Site and Building #1 - Paving - 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	0.0415	0.3616	1.2122	2.2200e-003		0.0175	0.0175		0.0171	0.0171	0.0000	194.6146	194.6146	0.0626	0.0000	196.1806
Paving	2.2400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0438**	**0.3616**	**1.2122**	**2.2200e-003**		**0.0175**	**0.0175**		**0.0171**	**0.0171**	**0.0000**	**194.6146**	**194.6146**	**0.0626**	**0.0000**	**196.1806**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8000e-004	0.0116	2.7500e-003	5.0000e-005	1.4600e-003	1.0000e-004	1.5600e-003	4.0000e-004	9.0000e-005	4.9000e-004	0.0000	4.9747	4.9747	1.7000e-004	7.9000e-004	5.2141
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4300e-003	1.5400e-003	0.0215	7.0000e-005	8.7200e-003	4.0000e-005	8.7600e-003	2.3200e-003	4.0000e-005	2.3600e-003	0.0000	6.2167	6.2167	1.6000e-004	1.6000e-004	6.2689
Total	**2.6100e-003**	**0.0132**	**0.0242**	**1.2000e-004**	**0.0102**	**1.4000e-004**	**0.0103**	**2.7200e-003**	**1.3000e-004**	**2.8500e-003**	**0.0000**	**11.1914**	**11.1914**	**3.3000e-004**	**9.5000e-004**	**11.4830**

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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 Site and Building #1 - ROMP02 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1600e-003	0.0892	0.0283	3.9000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	5.0000e-004	4.2200e-003	0.0000	37.9868	37.9868	8.1000e-004	5.5600e-003	39.6647
Worker	0.0123	7.8200e-003	0.1089	3.4000e-004	0.0442	2.0000e-004	0.0444	0.0118	1.8000e-004	0.0119	0.0000	31.4988	31.4988	8.0000e-004	8.2000e-004	31.7633
Total	**0.0145**	**0.0970**	**0.1372**	**7.3000e-004**	**0.0571**	**7.2000e-004**	**0.0578**	**0.0155**	**6.8000e-004**	**0.0162**	**0.0000**	**69.4856**	**69.4856**	**1.6100e-003**	**6.3800e-003**	**71.4280**

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

3.8 Site and Building #1 - ROMP02 - 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	0.0219	0.4077	0.7057	1.1800e-003		0.0277	0.0277		0.0277	0.0277	0.0000	103.1212	103.1212	0.0219	0.0000	103.6676
Total	**0.0219**	**0.4077**	**0.7057**	**1.1800e-003**		**0.0277**	**0.0277**		**0.0277**	**0.0277**	**0.0000**	**103.1212**	**103.1212**	**0.0219**	**0.0000**	**103.6676**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1600e-003	0.0892	0.0283	3.9000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	5.0000e-004	4.2200e-003	0.0000	37.9868	37.9868	8.1000e-004	5.5600e-003	39.6647
Worker	0.0123	7.8200e-003	0.1089	3.4000e-004	0.0442	2.0000e-004	0.0444	0.0118	1.8000e-004	0.0119	0.0000	31.4988	31.4988	8.0000e-004	8.2000e-004	31.7633
Total	**0.0145**	**0.0970**	**0.1372**	**7.3000e-004**	**0.0571**	**7.2000e-004**	**0.0578**	**0.0155**	**6.8000e-004**	**0.0162**	**0.0000**	**69.4856**	**69.4856**	**1.6100e-003**	**6.3800e-003**	**71.4280**

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

3.9 Site and Building #1 - ROMP01 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

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

3.9 Site and Building #1 - ROMP01 ArcCoa - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1819**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

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

3.10 Site and Building #1 - ROMP03 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1600e-003	0.0892	0.0283	3.9000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	5.0000e-004	4.2200e-003	0.0000	37.9868	37.9868	8.1000e-004	5.5600e-003	39.6647
Worker	0.0123	7.8200e-003	0.1089	3.4000e-004	0.0442	2.0000e-004	0.0444	0.0118	1.8000e-004	0.0119	0.0000	31.4988	31.4988	8.0000e-004	8.2000e-004	31.7633
Total	**0.0145**	**0.0970**	**0.1372**	**7.3000e-004**	**0.0571**	**7.2000e-004**	**0.0578**	**0.0155**	**6.8000e-004**	**0.0162**	**0.0000**	**69.4856**	**69.4856**	**1.6100e-003**	**6.3800e-003**	**71.4280**

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

3.10 Site and Building #1 - ROMP03 - 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	0.0219	0.4077	0.7057	1.1800e-003		0.0277	0.0277		0.0277	0.0277	0.0000	103.1212	103.1212	0.0219	0.0000	103.6676
Total	**0.0219**	**0.4077**	**0.7057**	**1.1800e-003**		**0.0277**	**0.0277**		**0.0277**	**0.0277**	**0.0000**	**103.1212**	**103.1212**	**0.0219**	**0.0000**	**103.6676**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1600e-003	0.0892	0.0283	3.9000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	5.0000e-004	4.2200e-003	0.0000	37.9868	37.9868	8.1000e-004	5.5600e-003	39.6647
Worker	0.0123	7.8200e-003	0.1089	3.4000e-004	0.0442	2.0000e-004	0.0444	0.0118	1.8000e-004	0.0119	0.0000	31.4988	31.4988	8.0000e-004	8.2000e-004	31.7633
Total	**0.0145**	**0.0970**	**0.1372**	**7.3000e-004**	**0.0571**	**7.2000e-004**	**0.0578**	**0.0155**	**6.8000e-004**	**0.0162**	**0.0000**	**69.4856**	**69.4856**	**1.6100e-003**	**6.3800e-003**	**71.4280**

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

3.11 Site and Building #1 - ROMP02 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

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

3.11 Site and Building #1 - ROMP02 ArcCoa - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1819**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

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

3.12 Site and Building #1 - ROMP04 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1600e-003	0.0892	0.0283	3.9000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	5.0000e-004	4.2200e-003	0.0000	37.9868	37.9868	8.1000e-004	5.5600e-003	39.6647
Worker	0.0123	7.8200e-003	0.1089	3.4000e-004	0.0442	2.0000e-004	0.0444	0.0118	1.8000e-004	0.0119	0.0000	31.4988	31.4988	8.0000e-004	8.2000e-004	31.7633
Total	**0.0145**	**0.0970**	**0.1372**	**7.3000e-004**	**0.0571**	**7.2000e-004**	**0.0578**	**0.0155**	**6.8000e-004**	**0.0162**	**0.0000**	**69.4856**	**69.4856**	**1.6100e-003**	**6.3800e-003**	**71.4280**

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

3.12 Site and Building #1 - ROMP04 - 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	0.0219	0.4077	0.7057	1.1800e-003		0.0277	0.0277		0.0277	0.0277	0.0000	103.1212	103.1212	0.0219	0.0000	103.6676
Total	**0.0219**	**0.4077**	**0.7057**	**1.1800e-003**		**0.0277**	**0.0277**		**0.0277**	**0.0277**	**0.0000**	**103.1212**	**103.1212**	**0.0219**	**0.0000**	**103.6676**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1600e-003	0.0892	0.0283	3.9000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	5.0000e-004	4.2200e-003	0.0000	37.9868	37.9868	8.1000e-004	5.5600e-003	39.6647
Worker	0.0123	7.8200e-003	0.1089	3.4000e-004	0.0442	2.0000e-004	0.0444	0.0118	1.8000e-004	0.0119	0.0000	31.4988	31.4988	8.0000e-004	8.2000e-004	31.7633
Total	**0.0145**	**0.0970**	**0.1372**	**7.3000e-004**	**0.0571**	**7.2000e-004**	**0.0578**	**0.0155**	**6.8000e-004**	**0.0162**	**0.0000**	**69.4856**	**69.4856**	**1.6100e-003**	**6.3800e-003**	**71.4280**

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

3.13 Site and Building #1 - ROMP03 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

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

3.13 Site and Building #1 - ROMP03 ArcCoa - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1819**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

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

3.14 Site and Building #1 - ROMP05 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1600e-003	0.0892	0.0283	3.9000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	5.0000e-004	4.2200e-003	0.0000	37.9868	37.9868	8.1000e-004	5.5600e-003	39.6647
Worker	0.0123	7.8200e-003	0.1089	3.4000e-004	0.0442	2.0000e-004	0.0444	0.0118	1.8000e-004	0.0119	0.0000	31.4988	31.4988	8.0000e-004	8.2000e-004	31.7633
Total	**0.0145**	**0.0970**	**0.1372**	**7.3000e-004**	**0.0571**	**7.2000e-004**	**0.0578**	**0.0155**	**6.8000e-004**	**0.0162**	**0.0000**	**69.4856**	**69.4856**	**1.6100e-003**	**6.3800e-003**	**71.4280**

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

3.14 Site and Building #1 - ROMP05 - 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	0.0219	0.4077	0.7057	1.1800e-003		0.0277	0.0277		0.0277	0.0277	0.0000	103.1212	103.1212	0.0219	0.0000	103.6676
Total	**0.0219**	**0.4077**	**0.7057**	**1.1800e-003**		**0.0277**	**0.0277**		**0.0277**	**0.0277**	**0.0000**	**103.1212**	**103.1212**	**0.0219**	**0.0000**	**103.6676**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1600e-003	0.0892	0.0283	3.9000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	5.0000e-004	4.2200e-003	0.0000	37.9868	37.9868	8.1000e-004	5.5600e-003	39.6647
Worker	0.0123	7.8200e-003	0.1089	3.4000e-004	0.0442	2.0000e-004	0.0444	0.0118	1.8000e-004	0.0119	0.0000	31.4988	31.4988	8.0000e-004	8.2000e-004	31.7633
Total	**0.0145**	**0.0970**	**0.1372**	**7.3000e-004**	**0.0571**	**7.2000e-004**	**0.0578**	**0.0155**	**6.8000e-004**	**0.0162**	**0.0000**	**69.4856**	**69.4856**	**1.6100e-003**	**6.3800e-003**	**71.4280**

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

3.15 Site and Building #1 - ROMP04 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

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

3.15 Site and Building #1 - ROMP04 ArcCoa - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1819**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

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

3.16 Site and Building #1 - ROMP06 - 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	0.0517	0.4403	0.4873	9.1000e-004		0.0186	0.0186		0.0177	0.0177	0.0000	76.1188	76.1188	0.0145	0.0000	76.4822
Total	**0.0517**	**0.4403**	**0.4873**	**9.1000e-004**		**0.0186**	**0.0186**		**0.0177**	**0.0177**	**0.0000**	**76.1188**	**76.1188**	**0.0145**	**0.0000**	**76.4822**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3100e-003	0.0540	0.0172	2.4000e-004	7.8100e-003	3.1000e-004	8.1200e-003	2.2600e-003	3.0000e-004	2.5600e-003	0.0000	23.0061	23.0061	4.9000e-004	3.3700e-003	24.0223
Worker	7.4500e-003	4.7400e-003	0.0659	2.1000e-004	0.0268	1.2000e-004	0.0269	7.1200e-003	1.1000e-004	7.2300e-003	0.0000	19.0768	19.0768	4.9000e-004	5.0000e-004	19.2369
Total	**8.7600e-003**	**0.0588**	**0.0831**	**4.5000e-004**	**0.0346**	**4.3000e-004**	**0.0350**	**9.3800e-003**	**4.1000e-004**	**9.7900e-003**	**0.0000**	**42.0828**	**42.0828**	**9.8000e-004**	**3.8700e-003**	**43.2592**

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

3.16 Site and Building #1 - ROMP06 - 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	0.0133	0.2469	0.4274	7.2000e-004		0.0168	0.0168		0.0168	0.0168	0.0000	62.4537	62.4537	0.0132	0.0000	62.7846
Total	**0.0133**	**0.2469**	**0.4274**	**7.2000e-004**		**0.0168**	**0.0168**		**0.0168**	**0.0168**	**0.0000**	**62.4537**	**62.4537**	**0.0132**	**0.0000**	**62.7846**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3100e-003	0.0540	0.0172	2.4000e-004	7.8100e-003	3.1000e-004	8.1200e-003	2.2600e-003	3.0000e-004	2.5600e-003	0.0000	23.0061	23.0061	4.9000e-004	3.3700e-003	24.0223
Worker	7.4500e-003	4.7400e-003	0.0659	2.1000e-004	0.0268	1.2000e-004	0.0269	7.1200e-003	1.1000e-004	7.2300e-003	0.0000	19.0768	19.0768	4.9000e-004	5.0000e-004	19.2369
Total	**8.7600e-003**	**0.0588**	**0.0831**	**4.5000e-004**	**0.0346**	**4.3000e-004**	**0.0350**	**9.3800e-003**	**4.1000e-004**	**9.7900e-003**	**0.0000**	**42.0828**	**42.0828**	**9.8000e-004**	**3.8700e-003**	**43.2592**

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

3.16 Site and Building #1 - ROMP06 - 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	0.0337	0.2867	0.3173	5.9000e-004		0.0121	0.0121		0.0115	0.0115	0.0000	49.5658	49.5658	9.4600e-003	0.0000	49.8024
Total	**0.0337**	**0.2867**	**0.3173**	**5.9000e-004**		**0.0121**	**0.0121**		**0.0115**	**0.0115**	**0.0000**	**49.5658**	**49.5658**	**9.4600e-003**	**0.0000**	**49.8024**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.4000e-004	0.0350	0.0110	1.5000e-004	5.0800e-003	2.0000e-004	5.2900e-003	1.4700e-003	1.9000e-004	1.6700e-003	0.0000	14.7159	14.7159	3.2000e-004	2.1500e-003	15.3646
Worker	4.5900e-003	2.8100e-003	0.0406	1.3000e-004	0.0174	7.0000e-005	0.0175	4.6400e-003	7.0000e-005	4.7100e-003	0.0000	12.0458	12.0458	2.9000e-004	3.1000e-004	12.1442
Total	**5.4300e-003**	**0.0378**	**0.0516**	**2.8000e-004**	**0.0225**	**2.7000e-004**	**0.0228**	**6.1100e-003**	**2.6000e-004**	**6.3800e-003**	**0.0000**	**26.7617**	**26.7617**	**6.1000e-004**	**2.4600e-003**	**27.5088**

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

3.16 Site and Building #1 - ROMP06 - 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	8.6500e-003	0.1608	0.2783	4.7000e-004		0.0109	0.0109		0.0109	0.0109	0.0000	40.6675	40.6675	8.6200e-003	0.0000	40.8830
Total	**8.6500e-003**	**0.1608**	**0.2783**	**4.7000e-004**		**0.0109**	**0.0109**		**0.0109**	**0.0109**	**0.0000**	**40.6675**	**40.6675**	**8.6200e-003**	**0.0000**	**40.8830**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.4000e-004	0.0350	0.0110	1.5000e-004	5.0800e-003	2.0000e-004	5.2900e-003	1.4700e-003	1.9000e-004	1.6700e-003	0.0000	14.7159	14.7159	3.2000e-004	2.1500e-003	15.3646
Worker	4.5900e-003	2.8100e-003	0.0406	1.3000e-004	0.0174	7.0000e-005	0.0175	4.6400e-003	7.0000e-005	4.7100e-003	0.0000	12.0458	12.0458	2.9000e-004	3.1000e-004	12.1442
Total	**5.4300e-003**	**0.0378**	**0.0516**	**2.8000e-004**	**0.0225**	**2.7000e-004**	**0.0228**	**6.1100e-003**	**2.6000e-004**	**6.3800e-003**	**0.0000**	**26.7617**	**26.7617**	**6.1000e-004**	**2.4600e-003**	**27.5088**

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

3.17 Site and Building #1 - ROMP05 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

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

3.17 Site and Building #1 - ROMP05 ArcCoa - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1819**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

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

3.18 Site and Building #1 - ROMP07 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1200e-003	0.0886	0.0280	3.8000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	4.9000e-004	4.2200e-003	0.0000	37.3154	37.3154	8.0000e-004	5.4500e-003	38.9603
Worker	0.0116	7.1300e-003	0.1028	3.3000e-004	0.0442	1.9000e-004	0.0444	0.0118	1.7000e-004	0.0119	0.0000	30.5447	30.5447	7.3000e-004	7.8000e-004	30.7942
Total	**0.0138**	**0.0958**	**0.1308**	**7.1000e-004**	**0.0571**	**7.1000e-004**	**0.0578**	**0.0155**	**6.6000e-004**	**0.0162**	**0.0000**	**67.8600**	**67.8600**	**1.5300e-003**	**6.2300e-003**	**69.7545**

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

3.18 Site and Building #1 - ROMP07 - 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	0.0219	0.4077	0.7057	1.1800e-003		0.0277	0.0277		0.0277	0.0277	0.0000	103.1212	103.1212	0.0219	0.0000	103.6676
Total	**0.0219**	**0.4077**	**0.7057**	**1.1800e-003**		**0.0277**	**0.0277**		**0.0277**	**0.0277**	**0.0000**	**103.1212**	**103.1212**	**0.0219**	**0.0000**	**103.6676**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1200e-003	0.0886	0.0280	3.8000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	4.9000e-004	4.2200e-003	0.0000	37.3154	37.3154	8.0000e-004	5.4500e-003	38.9603
Worker	0.0116	7.1300e-003	0.1028	3.3000e-004	0.0442	1.9000e-004	0.0444	0.0118	1.7000e-004	0.0119	0.0000	30.5447	30.5447	7.3000e-004	7.8000e-004	30.7942
Total	**0.0138**	**0.0958**	**0.1308**	**7.1000e-004**	**0.0571**	**7.1000e-004**	**0.0578**	**0.0155**	**6.6000e-004**	**0.0162**	**0.0000**	**67.8600**	**67.8600**	**1.5300e-003**	**6.2300e-003**	**69.7545**

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

3.19 Site and Building #1 - ROMP06 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

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

3.19 Site and Building #1 - ROMP06 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1819**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

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

3.20 Site and Building #1 - ROMP08 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1200e-003	0.0886	0.0280	3.8000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	4.9000e-004	4.2200e-003	0.0000	37.3154	37.3154	8.0000e-004	5.4500e-003	38.9603
Worker	0.0116	7.1300e-003	0.1028	3.3000e-004	0.0442	1.9000e-004	0.0444	0.0118	1.7000e-004	0.0119	0.0000	30.5447	30.5447	7.3000e-004	7.8000e-004	30.7942
Total	**0.0138**	**0.0958**	**0.1308**	**7.1000e-004**	**0.0571**	**7.1000e-004**	**0.0578**	**0.0155**	**6.6000e-004**	**0.0162**	**0.0000**	**67.8600**	**67.8600**	**1.5300e-003**	**6.2300e-003**	**69.7545**

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

3.20 Site and Building #1 - ROMP08 - 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	0.0219	0.4077	0.7057	1.1800e-003		0.0277	0.0277		0.0277	0.0277	0.0000	103.1212	103.1212	0.0219	0.0000	103.6676
Total	**0.0219**	**0.4077**	**0.7057**	**1.1800e-003**		**0.0277**	**0.0277**		**0.0277**	**0.0277**	**0.0000**	**103.1212**	**103.1212**	**0.0219**	**0.0000**	**103.6676**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1200e-003	0.0886	0.0280	3.8000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	4.9000e-004	4.2200e-003	0.0000	37.3154	37.3154	8.0000e-004	5.4500e-003	38.9603
Worker	0.0116	7.1300e-003	0.1028	3.3000e-004	0.0442	1.9000e-004	0.0444	0.0118	1.7000e-004	0.0119	0.0000	30.5447	30.5447	7.3000e-004	7.8000e-004	30.7942
Total	**0.0138**	**0.0958**	**0.1308**	**7.1000e-004**	**0.0571**	**7.1000e-004**	**0.0578**	**0.0155**	**6.6000e-004**	**0.0162**	**0.0000**	**67.8600**	**67.8600**	**1.5300e-003**	**6.2300e-003**	**69.7545**

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

3.21 Site and Building #1 - ROMP07 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

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

3.21 Site and Building #1 - ROMP07 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1819**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

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

3.22 Site and Building #1 - ROMP09 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1200e-003	0.0886	0.0280	3.8000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	4.9000e-004	4.2200e-003	0.0000	37.3154	37.3154	8.0000e-004	5.4500e-003	38.9603
Worker	0.0116	7.1300e-003	0.1028	3.3000e-004	0.0442	1.9000e-004	0.0444	0.0118	1.7000e-004	0.0119	0.0000	30.5447	30.5447	7.3000e-004	7.8000e-004	30.7942
Total	**0.0138**	**0.0958**	**0.1308**	**7.1000e-004**	**0.0571**	**7.1000e-004**	**0.0578**	**0.0155**	**6.6000e-004**	**0.0162**	**0.0000**	**67.8600**	**67.8600**	**1.5300e-003**	**6.2300e-003**	**69.7545**

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

3.22 Site and Building #1 - ROMP09 - 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	0.0219	0.4077	0.7057	1.1800e-003		0.0277	0.0277		0.0277	0.0277	0.0000	103.1212	103.1212	0.0219	0.0000	103.6676
Total	**0.0219**	**0.4077**	**0.7057**	**1.1800e-003**		**0.0277**	**0.0277**		**0.0277**	**0.0277**	**0.0000**	**103.1212**	**103.1212**	**0.0219**	**0.0000**	**103.6676**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1200e-003	0.0886	0.0280	3.8000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	4.9000e-004	4.2200e-003	0.0000	37.3154	37.3154	8.0000e-004	5.4500e-003	38.9603
Worker	0.0116	7.1300e-003	0.1028	3.3000e-004	0.0442	1.9000e-004	0.0444	0.0118	1.7000e-004	0.0119	0.0000	30.5447	30.5447	7.3000e-004	7.8000e-004	30.7942
Total	**0.0138**	**0.0958**	**0.1308**	**7.1000e-004**	**0.0571**	**7.1000e-004**	**0.0578**	**0.0155**	**6.6000e-004**	**0.0162**	**0.0000**	**67.8600**	**67.8600**	**1.5300e-003**	**6.2300e-003**	**69.7545**

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

3.23 Site and Building #1 - ROMP08 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

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

3.23 Site and Building #1 - ROMP08 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1819**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

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

3.24 Site and Building #1 - ROMP10 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1200e-003	0.0886	0.0280	3.8000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	4.9000e-004	4.2200e-003	0.0000	37.3154	37.3154	8.0000e-004	5.4500e-003	38.9603
Worker	0.0116	7.1300e-003	0.1028	3.3000e-004	0.0442	1.9000e-004	0.0444	0.0118	1.7000e-004	0.0119	0.0000	30.5447	30.5447	7.3000e-004	7.8000e-004	30.7942
Total	**0.0138**	**0.0958**	**0.1308**	**7.1000e-004**	**0.0571**	**7.1000e-004**	**0.0578**	**0.0155**	**6.6000e-004**	**0.0162**	**0.0000**	**67.8600**	**67.8600**	**1.5300e-003**	**6.2300e-003**	**69.7545**

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

3.24 Site and Building #1 - ROMP10 - 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	0.0219	0.4077	0.7057	1.1800e-003		0.0277	0.0277		0.0277	0.0277	0.0000	103.1212	103.1212	0.0219	0.0000	103.6676
Total	**0.0219**	**0.4077**	**0.7057**	**1.1800e-003**		**0.0277**	**0.0277**		**0.0277**	**0.0277**	**0.0000**	**103.1212**	**103.1212**	**0.0219**	**0.0000**	**103.6676**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1200e-003	0.0886	0.0280	3.8000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	4.9000e-004	4.2200e-003	0.0000	37.3154	37.3154	8.0000e-004	5.4500e-003	38.9603
Worker	0.0116	7.1300e-003	0.1028	3.3000e-004	0.0442	1.9000e-004	0.0444	0.0118	1.7000e-004	0.0119	0.0000	30.5447	30.5447	7.3000e-004	7.8000e-004	30.7942
Total	**0.0138**	**0.0958**	**0.1308**	**7.1000e-004**	**0.0571**	**7.1000e-004**	**0.0578**	**0.0155**	**6.6000e-004**	**0.0162**	**0.0000**	**67.8600**	**67.8600**	**1.5300e-003**	**6.2300e-003**	**69.7545**

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

3.25 Site and Building #1 - ROMP09 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

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

3.25 Site and Building #1 - ROMP09 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1819**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

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

3.26 Site and Building #1 - ROMP11 - 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	0.0650	0.5529	0.6119	1.1400e-003		0.0234	0.0234		0.0222	0.0222	0.0000	95.5911	95.5911	0.0183	0.0000	96.0474
Total	**0.0650**	**0.5529**	**0.6119**	**1.1400e-003**		**0.0234**	**0.0234**		**0.0222**	**0.0222**	**0.0000**	**95.5911**	**95.5911**	**0.0183**	**0.0000**	**96.0474**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6100e-003	0.0674	0.0213	2.9000e-004	9.8100e-003	3.9000e-004	0.0102	2.8400e-003	3.8000e-004	3.2100e-003	0.0000	28.3807	28.3807	6.1000e-004	4.1500e-003	29.6318
Worker	8.8500e-003	5.4200e-003	0.0782	2.5000e-004	0.0336	1.4000e-004	0.0338	8.9400e-003	1.3000e-004	9.0700e-003	0.0000	23.2312	23.2312	5.6000e-004	5.9000e-004	23.4210
Total	**0.0105**	**0.0728**	**0.0995**	**5.4000e-004**	**0.0434**	**5.3000e-004**	**0.0440**	**0.0118**	**5.1000e-004**	**0.0123**	**0.0000**	**51.6119**	**51.6119**	**1.1700e-003**	**4.7400e-003**	**53.0527**

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

3.26 Site and Building #1 - ROMP11 - 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	0.0167	0.3101	0.5367	9.0000e-004		0.0211	0.0211		0.0211	0.0211	0.0000	78.4302	78.4302	0.0166	0.0000	78.8457
Total	**0.0167**	**0.3101**	**0.5367**	**9.0000e-004**		**0.0211**	**0.0211**		**0.0211**	**0.0211**	**0.0000**	**78.4302**	**78.4302**	**0.0166**	**0.0000**	**78.8457**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6100e-003	0.0674	0.0213	2.9000e-004	9.8100e-003	3.9000e-004	0.0102	2.8400e-003	3.8000e-004	3.2100e-003	0.0000	28.3807	28.3807	6.1000e-004	4.1500e-003	29.6318
Worker	8.8500e-003	5.4200e-003	0.0782	2.5000e-004	0.0336	1.4000e-004	0.0338	8.9400e-003	1.3000e-004	9.0700e-003	0.0000	23.2312	23.2312	5.6000e-004	5.9000e-004	23.4210
Total	**0.0105**	**0.0728**	**0.0995**	**5.4000e-004**	**0.0434**	**5.3000e-004**	**0.0440**	**0.0118**	**5.1000e-004**	**0.0123**	**0.0000**	**51.6119**	**51.6119**	**1.1700e-003**	**4.7400e-003**	**53.0527**

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

3.26 Site and Building #1 - ROMP11 - 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	0.0205	0.1741	0.1927	3.6000e-004		7.3600e-003	7.3600e-003		7.0000e-003	7.0000e-003	0.0000	30.0935	30.0935	5.7500e-003	0.0000	30.2372
Total	**0.0205**	**0.1741**	**0.1927**	**3.6000e-004**		**7.3600e-003**	**7.3600e-003**		**7.0000e-003**	**7.0000e-003**	**0.0000**	**30.0935**	**30.0935**	**5.7500e-003**	**0.0000**	**30.2372**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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-004	0.0211	6.6200e-003	9.0000e-005	3.0900e-003	1.2000e-004	3.2100e-003	8.9000e-004	1.2000e-004	1.0100e-003	0.0000	8.7591	8.7591	1.9000e-004	1.2800e-003	9.1445
Worker	2.6400e-003	1.5700e-003	0.0234	8.0000e-005	0.0106	4.0000e-005	0.0106	2.8100e-003	4.0000e-005	2.8500e-003	0.0000	7.1066	7.1066	1.6000e-004	1.8000e-004	7.1634
Total	**3.1400e-003**	**0.0226**	**0.0300**	**1.7000e-004**	**0.0137**	**1.6000e-004**	**0.0138**	**3.7000e-003**	**1.6000e-004**	**3.8600e-003**	**0.0000**	**15.8657**	**15.8657**	**3.5000e-004**	**1.4600e-003**	**16.3079**

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

3.26 Site and Building #1 - ROMP11 - 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	5.2500e-003	0.0976	0.1690	2.8000e-004		6.6400e-003	6.6400e-003		6.6400e-003	6.6400e-003	0.0000	24.6910	24.6910	5.2300e-003	0.0000	24.8218
Total	**5.2500e-003**	**0.0976**	**0.1690**	**2.8000e-004**		**6.6400e-003**	**6.6400e-003**		**6.6400e-003**	**6.6400e-003**	**0.0000**	**24.6910**	**24.6910**	**5.2300e-003**	**0.0000**	**24.8218**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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-004	0.0211	6.6200e-003	9.0000e-005	3.0900e-003	1.2000e-004	3.2100e-003	8.9000e-004	1.2000e-004	1.0100e-003	0.0000	8.7591	8.7591	1.9000e-004	1.2800e-003	9.1445
Worker	2.6400e-003	1.5700e-003	0.0234	8.0000e-005	0.0106	4.0000e-005	0.0106	2.8100e-003	4.0000e-005	2.8500e-003	0.0000	7.1066	7.1066	1.6000e-004	1.8000e-004	7.1634
Total	**3.1400e-003**	**0.0226**	**0.0300**	**1.7000e-004**	**0.0137**	**1.6000e-004**	**0.0138**	**3.7000e-003**	**1.6000e-004**	**3.8600e-003**	**0.0000**	**15.8657**	**15.8657**	**3.5000e-004**	**1.4600e-003**	**16.3079**

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

3.27 Site and Building #1 - ROMP10 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

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

3.27 Site and Building #1 - ROMP10 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1819**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

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

3.28 Site and Building #1 - ROMP12 - 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	4.8100e-003	0.0410	0.0453	8.0000e-005		1.7300e-003	1.7300e-003		1.6500e-003	1.6500e-003	0.0000	7.0808	7.0808	1.3500e-003	0.0000	7.1146
Total	**4.8100e-003**	**0.0410**	**0.0453**	**8.0000e-005**		**1.7300e-003**	**1.7300e-003**		**1.6500e-003**	**1.6500e-003**	**0.0000**	**7.0808**	**7.0808**	**1.3500e-003**	**0.0000**	**7.1146**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2000e-004	4.9900e-003	1.5800e-003	2.0000e-005	7.3000e-004	3.0000e-005	7.6000e-004	2.1000e-004	3.0000e-005	2.4000e-004	0.0000	2.1023	2.1023	5.0000e-005	3.1000e-004	2.1949
Worker	6.6000e-004	4.0000e-004	5.7900e-003	2.0000e-005	2.4900e-003	1.0000e-005	2.5000e-003	6.6000e-004	1.0000e-005	6.7000e-004	0.0000	1.7208	1.7208	4.0000e-005	4.0000e-005	1.7349
Total	**7.8000e-004**	**5.3900e-003**	**7.3700e-003**	**4.0000e-005**	**3.2200e-003**	**4.0000e-005**	**3.2600e-003**	**8.7000e-004**	**4.0000e-005**	**9.1000e-004**	**0.0000**	**3.8231**	**3.8231**	**9.0000e-005**	**3.5000e-004**	**3.9298**

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

3.28 Site and Building #1 - ROMP12 - 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	1.2400e-003	0.0230	0.0398	7.0000e-005		1.5600e-003	1.5600e-003		1.5600e-003	1.5600e-003	0.0000	5.8096	5.8096	1.2300e-003	0.0000	5.8404
Total	**1.2400e-003**	**0.0230**	**0.0398**	**7.0000e-005**		**1.5600e-003**	**1.5600e-003**		**1.5600e-003**	**1.5600e-003**	**0.0000**	**5.8096**	**5.8096**	**1.2300e-003**	**0.0000**	**5.8404**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2000e-004	4.9900e-003	1.5800e-003	2.0000e-005	7.3000e-004	3.0000e-005	7.6000e-004	2.1000e-004	3.0000e-005	2.4000e-004	0.0000	2.1023	2.1023	5.0000e-005	3.1000e-004	2.1949
Worker	6.6000e-004	4.0000e-004	5.7900e-003	2.0000e-005	2.4900e-003	1.0000e-005	2.5000e-003	6.6000e-004	1.0000e-005	6.7000e-004	0.0000	1.7208	1.7208	4.0000e-005	4.0000e-005	1.7349
Total	**7.8000e-004**	**5.3900e-003**	**7.3700e-003**	**4.0000e-005**	**3.2200e-003**	**4.0000e-005**	**3.2600e-003**	**8.7000e-004**	**4.0000e-005**	**9.1000e-004**	**0.0000**	**3.8231**	**3.8231**	**9.0000e-005**	**3.5000e-004**	**3.9298**

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

3.28 Site and Building #1 - ROMP12 - 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	0.0806	0.6860	0.7593	1.4100e-003		0.0290	0.0290		0.0276	0.0276	0.0000	118.6038	118.6038	0.0227	0.0000	119.1699
Total	**0.0806**	**0.6860**	**0.7593**	**1.4100e-003**		**0.0290**	**0.0290**		**0.0276**	**0.0276**	**0.0000**	**118.6038**	**118.6038**	**0.0227**	**0.0000**	**119.1699**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9700e-003	0.0830	0.0261	3.5000e-004	0.0122	4.8000e-004	0.0127	3.5200e-003	4.6000e-004	3.9800e-003	0.0000	34.5210	34.5210	7.4000e-004	5.0400e-003	36.0401
Worker	0.0104	6.1800e-003	0.0922	3.1000e-004	0.0417	1.7000e-004	0.0419	0.0111	1.6000e-004	0.0113	0.0000	28.0084	28.0084	6.4000e-004	7.0000e-004	28.2320
Total	**0.0124**	**0.0892**	**0.1183**	**6.6000e-004**	**0.0539**	**6.5000e-004**	**0.0545**	**0.0146**	**6.2000e-004**	**0.0152**	**0.0000**	**62.5294**	**62.5294**	**1.3800e-003**	**5.7400e-003**	**64.2721**

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

3.28 Site and Building #1 - ROMP12 - 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	0.0207	0.3848	0.6659	1.1200e-003		0.0262	0.0262		0.0262	0.0262	0.0000	97.3115	97.3115	0.0206	0.0000	97.8271
Total	**0.0207**	**0.3848**	**0.6659**	**1.1200e-003**		**0.0262**	**0.0262**		**0.0262**	**0.0262**	**0.0000**	**97.3115**	**97.3115**	**0.0206**	**0.0000**	**97.8271**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9700e-003	0.0830	0.0261	3.5000e-004	0.0122	4.8000e-004	0.0127	3.5200e-003	4.6000e-004	3.9800e-003	0.0000	34.5210	34.5210	7.4000e-004	5.0400e-003	36.0401
Worker	0.0104	6.1800e-003	0.0922	3.1000e-004	0.0417	1.7000e-004	0.0419	0.0111	1.6000e-004	0.0113	0.0000	28.0084	28.0084	6.4000e-004	7.0000e-004	28.2320
Total	**0.0124**	**0.0892**	**0.1183**	**6.6000e-004**	**0.0539**	**6.5000e-004**	**0.0545**	**0.0146**	**6.2000e-004**	**0.0152**	**0.0000**	**62.5294**	**62.5294**	**1.3800e-003**	**5.7400e-003**	**64.2721**

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

3.29 Site and Building #1 - ROMP11 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.4000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1651	0.1651	0.0000	0.0000	0.1664
Total	**6.0000e-005**	**4.0000e-005**	**5.4000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1651**	**0.1651**	**0.0000**	**0.0000**	**0.1664**

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

3.29 Site and Building #1 - ROMP11 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1819**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.4000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1651	0.1651	0.0000	0.0000	0.1664
Total	**6.0000e-005**	**4.0000e-005**	**5.4000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1651**	**0.1651**	**0.0000**	**0.0000**	**0.1664**

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

3.30 Site and Building #1 - ROMP12 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.4000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1651	0.1651	0.0000	0.0000	0.1664
Total	**6.0000e-005**	**4.0000e-005**	**5.4000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1651**	**0.1651**	**0.0000**	**0.0000**	**0.1664**

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

3.30 Site and Building #1 - ROMP12 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1819**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.4000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1651	0.1651	0.0000	0.0000	0.1664
Total	**6.0000e-005**	**4.0000e-005**	**5.4000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1651**	**0.1651**	**0.0000**	**0.0000**	**0.1664**

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Transit Subsidy

Provide Riade Sharing Program

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1448	0.2041	1.7895	4.4800e-003	0.5239	2.9800e-003	0.5269	0.1398	2.7700e-003	0.1426	0.0000	413.4315	413.4315	0.0196	0.0162	418.7494
Unmitigated	0.1448	0.2041	1.7895	4.4800e-003	0.5239	2.9800e-003	0.5269	0.1398	2.7700e-003	0.1426	0.0000	413.4315	413.4315	0.0196	0.0162	418.7494

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	218.30	218.30	218.30	1,417,692	1,417,692
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	218.30	218.30	218.30	1,417,692	1,417,692

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
General Light Industry	19.13	6.60	19.13	90.50	0.00	9.50	92	5	3
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	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
Parking Lot	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

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 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					
General Light Industry	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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**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

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					
General Light Industry	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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	4.3362e +008	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	4744.25	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			
General Light Industry	4.3362e +008	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	4744.25	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

Use Low VOC Cleaning Supplies

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	0.9252	3.0000e-005	3.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.6900e-003	6.6900e-003	2.0000e-005	0.0000	7.1200e-003
Unmitigated	0.9896	3.0000e-005	3.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.6900e-003	6.6900e-003	2.0000e-005	0.0000	7.1200e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1182					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8711					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.2000e-004	3.0000e-005	3.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.6900e-003	6.6900e-003	2.0000e-005	0.0000	7.1200e-003
Total	**0.9896**	**3.0000e-005**	**3.4300e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**6.6900e-003**	**6.6900e-003**	**2.0000e-005**	**0.0000**	**7.1200e-003**

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	0.1182					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8067					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.2000e-004	3.0000e-005	3.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.6900e-003	6.6900e-003	2.0000e-005	0.0000	7.1200e-003
Total	**0.9252**	**3.0000e-005**	**3.4300e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**6.6900e-003**	**6.6900e-003**	**2.0000e-005**	**0.0000**	**7.1200e-003**

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 Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	16.1770	1.6615	0.0392	69.4065
Unmitigated	16.1770	1.6615	0.0392	69.4065

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	50.9906 / 0	16.1770	1.6615	0.0392	69.4065
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**16.1770**	**1.6615**	**0.0392**	**69.4065**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	50.9906 / 0	16.1770	1.6615	0.0392	69.4065
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**16.1770**	**1.6615**	**0.0392**	**69.4065**

8.0 Waste Detail

8.1 Mitigation Measures Waste

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	55.5018	3.2801	0.0000	137.5033
Unmitigated	55.5018	3.2801	0.0000	137.5033

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	273.42	55.5018	3.2801	0.0000	137.5033
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**55.5018**	**3.2801**	**0.0000**	**137.5033**

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			
General Light Industry	273.42	55.5018	3.2801	0.0000	137.5033
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**55.5018**	**3.2801**	**0.0000**	**137.5033**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

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

11.0 Vegetation

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

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	220.50	1000sqft	52.47	220,500.00	0
Other Asphalt Surfaces	140.31	1000sqft	3.22	140,312.00	0
Parking Lot	13.55	1000sqft	0.31	13,555.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**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 - 100% carbon-free electricity will be purchased.

Land Use - Per construction data provided by client.

Construction Phase - Per construction data provided by client.

Off-road Equipment - Per construction data provided by client, including Concrete Vibrator.

Off-road Equipment - Per construction data provided by the client.

Off-road Equipment - Per construction data provided by client.

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

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

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment - Per construction data provided by the client, including Concrete Vibrator.

Trips and VMT - Based on import and export volumes and phasing.

Grading -

Vehicle Trips - Trip rate and trip length per Gilroy Data Center Project VMT Analysis (Hexagon, 2023).

Energy Use - 49.5MWhr per day. No proposed NG usage.

Construction Off-road Equipment Mitigation - Updated to Tier 3/Tier 4 as a mitigation measure. Additional fugitive dust mitigation measures per BAAQMD CEQA Guidelines.

Mobile Commute Mitigation -

Area Mitigation -

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

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	26.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	54.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	26.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	26.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	13.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	40.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

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

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	1,110.00	71.00

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

tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	1,110.00	105.00
tblConstructionPhase	NumDays	1,110.00	60.00
tblConstructionPhase	NumDays	1,110.00	86.00
tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	110.00	30.00
tblConstructionPhase	NumDays	75.00	91.00
tblConstructionPhase	NumDays	40.00	11.00
tblEnergyUse	LightingElect	3.08	747.77
tblEnergyUse	NT24E	3.70	898.29
tblEnergyUse	NT24NG	6.67	0.00
tblEnergyUse	T24E	1.32	320.47
tblEnergyUse	T24NG	19.51	0.00
tblGrading	AcresOfGrading	180.00	135.00
tblGrading	MaterialExported	0.00	53,000.00
tblGrading	MaterialImported	0.00	105,000.00
tblLandUse	LandUseSquareFeet	140,310.00	140,312.00
tblLandUse	LandUseSquareFeet	13,550.00	13,555.00
tblLandUse	LotAcreage	5.06	52.47
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

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

tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0
tblProjectCharacteristics	CO2IntensityFactor	203.98	0
tblProjectCharacteristics	N2OIntensityFactor	0.004	0
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripNumber	0.00	356.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TL	6.60	19.13
tblVehicleTrips	CNW_TTP	13.00	9.50
tblVehicleTrips	CW_TL	14.70	19.13
tblVehicleTrips	CW_TTP	59.00	90.50
tblVehicleTrips	ST_TR	1.99	0.99
tblVehicleTrips	SU_TR	5.00	0.99
tblVehicleTrips	WD_TR	4.96	0.99

2.0 Emissions Summary

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

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.7869	7.8333	8.1150	0.0211	0.6738	0.3031	0.9768	0.2420	0.2844	0.5264	0.0000	1,897.7071	1,897.7071	0.3518	0.0820	1,930.9372
2025	6.5389	5.3160	5.9119	0.0139	0.3058	0.2064	0.5121	0.0829	0.1950	0.2779	0.0000	1,215.6076	1,215.6076	0.1952	0.0339	1,230.5838
2026	6.4274	4.2932	4.8864	0.0116	0.2988	0.1640	0.4628	0.0810	0.1560	0.2371	0.0000	1,010.7389	1,010.7389	0.1331	0.0325	1,023.7468
2027	2.4808	0.9742	1.1049	2.6100e-003	0.0681	0.0373	0.1053	0.0185	0.0355	0.0539	0.0000	227.9331	227.9331	0.0302	7.2000e-003	230.8312
Maximum	**6.5389**	**7.8333**	**8.1150**	**0.0211**	**0.6738**	**0.3031**	**0.9768**	**0.2420**	**0.2844**	**0.5264**	**0.0000**	**1,897.7071**	**1,897.7071**	**0.3518**	**0.0820**	**1,930.9372**

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

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.3667	5.3910	9.0804	0.0206	0.4676	0.2544	0.7220	0.1537	0.2522	0.4059	0.0000	1,858.5871	1,858.5871	0.3478	0.0820	1,891.7178
2025	6.1456	3.0529	5.5935	0.0123	0.3058	0.1698	0.4756	0.0829	0.1692	0.2520	0.0000	1,097.7343	1,097.7343	0.1840	0.0339	1,112.4304
2026	6.0960	2.6308	4.3711	9.9300e-003	0.2988	0.1486	0.4474	0.0810	0.1484	0.2294	0.0000	893.1549	893.1549	0.1220	0.0325	905.8835
2027	2.4055	0.5970	0.9879	2.2400e-003	0.0681	0.0338	0.1018	0.0185	0.0338	0.0522	0.0000	201.2384	201.2384	0.0276	7.2000e-003	204.0731
Maximum	**6.1456**	**5.3910**	**9.0804**	**0.0206**	**0.4676**	**0.2544**	**0.7220**	**0.1537**	**0.2522**	**0.4059**	**0.0000**	**1,858.5871**	**1,858.5871**	**0.3478**	**0.0820**	**1,891.7178**

	ROG	NOx	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	**7.52**	**36.62**	**-0.07**	**8.44**	**15.31**	**14.65**	**15.08**	**20.81**	**10.04**	**14.21**	**0.00**	**6.92**	**6.92**	**4.07**	**0.00**	**6.84**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**4-8-2024**	**7-7-2024**	3.1192	2.0453
2	**7-8-2024**	**10-7-2024**	2.0071	1.7107
3	**10-8-2024**	**1-7-2025**	6.5092	4.9604
4	**1-8-2025**	**4-7-2025**	53.7279	52.6593
5	**4-8-2025**	**7-7-2025**	61.7382	61.2004
6	**7-8-2025**	**10-7-2025**	56.9696	56.4816
7	**10-8-2025**	**1-7-2026**	28.1758	27.7122
8	**1-8-2026**	**4-7-2026**	59.1527	58.6379

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

9	**4-8-2026**	**7-7-2026**	59.1255	58.6184
10	**7-8-2026**	**10-7-2026**	53.0987	52.6373
11	**10-8-2026**	**1-7-2027**	24.8945	24.3883
12	**1-8-2027**	**4-7-2027**	47.4706	47.0665
		Highest	61.7382	61.2004

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	0.9896	3.0000e-005	3.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.6900e-003	6.6900e-003	2.0000e-005	0.0000	7.1200e-003
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	0.1448	0.2041	1.7895	4.4800e-003	0.5239	2.9800e-003	0.5269	0.1398	2.7700e-003	0.1426	0.0000	413.4315	413.4315	0.0196	0.0162	418.7494
Waste						0.0000	0.0000		0.0000	0.0000	55.5018	0.0000	55.5018	3.2801	0.0000	137.5033
Water						0.0000	0.0000		0.0000	0.0000	16.1770	0.0000	16.1770	1.6615	0.0392	69.4065
Total	**1.1345**	**0.2042**	**1.7929**	**4.4800e-003**	**0.5239**	**2.9900e-003**	**0.5269**	**0.1398**	**2.7800e-003**	**0.1426**	**71.6788**	**413.4382**	**485.1170**	**4.9612**	**0.0554**	**625.6663**

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	0.9252	3.0000e-005	3.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.6900e-003	6.6900e-003	2.0000e-005	0.0000	7.1200e-003
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	0.1448	0.2041	1.7895	4.4800e-003	0.5239	2.9800e-003	0.5269	0.1398	2.7700e-003	0.1426	0.0000	413.4315	413.4315	0.0196	0.0162	418.7494
Waste						0.0000	0.0000		0.0000	0.0000	55.5018	0.0000	55.5018	3.2801	0.0000	137.5033
Water						0.0000	0.0000		0.0000	0.0000	16.1770	0.0000	16.1770	1.6615	0.0392	69.4065
Total	**1.0701**	**0.2042**	**1.7929**	**4.4800e-003**	**0.5239**	**2.9900e-003**	**0.5269**	**0.1398**	**2.7800e-003**	**0.1426**	**71.6788**	**413.4382**	**485.1170**	**4.9612**	**0.0554**	**625.6663**

	ROG	NOx	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	**5.67**	**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	Site and Building #1 - Site Preparation	Site Preparation	4/8/2024	4/22/2024	5	11	
2	Site and Building #1 - Grading	Grading	4/8/2024	5/17/2024	5	30	
3	Site and Building #1 - Foundation	Building Construction	5/15/2024	10/8/2024	5	105	

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

4	Site and Building #1 - Structural/Building Exterior/Roof	Building Construction	9/18/2024	12/10/2024	5	60	
5	Site and Building #1 - ROMP01	Building Construction	10/28/2024	2/24/2025	5	86	
6	Site and Building #1 - Paving	Paving	10/30/2024	3/3/2025	5	91	
7	Site and Building #1 - ROMP02	Building Construction	1/27/2025	5/5/2025	5	71	
8	Site and Building #1 - ROMP01 ArcCoa	Architectural Coating	2/25/2025	2/26/2025	5	2	
9	Site and Building #1 - ROMP03	Building Construction	4/7/2025	7/14/2025	5	71	
10	Site and Building #1 - ROMP02 ArcCoa	Architectural Coating	5/6/2025	5/7/2025	5	2	
11	Site and Building #1 - ROMP04	Building Construction	6/16/2025	9/22/2025	5	71	
12	Site and Building #1 - ROMP03 ArcCoa	Architectural Coating	7/15/2025	7/16/2025	5	2	
13	Site and Building #1 - ROMP05	Building Construction	8/25/2025	12/1/2025	5	71	
14	Site and Building #1 - ROMP04 ArcCoa	Architectural Coating	9/23/2025	9/24/2025	5	2	
15	Site and Building #1 - ROMP06	Building Construction	11/3/2025	2/9/2026	5	71	
16	Site and Building #1 - ROMP05 ArcCoa	Architectural Coating	12/2/2025	12/3/2025	5	2	
17	Site and Building #1 - ROMP07	Building Construction	1/12/2026	4/20/2026	5	71	
18	Site and Building #1 - ROMP06 ArcCoa	Architectural Coating	2/10/2026	2/11/2026	5	2	
19	Site and Building #1 - ROMP08	Building Construction	3/23/2026	6/29/2026	5	71	
20	Site and Building #1 - ROMP07 ArcCoa	Architectural Coating	4/21/2026	4/22/2026	5	2	
21	Site and Building #1 - ROMP09	Building Construction	6/1/2026	9/7/2026	5	71	
22	Site and Building #1 - ROMP08 ArcCoa	Architectural Coating	6/30/2026	7/1/2026	5	2	
23	Site and Building #1 - ROMP10	Building Construction	8/10/2026	11/16/2026	5	71	
24	Site and Building #1 - ROMP09 ArcCoa	Architectural Coating	9/8/2026	9/9/2026	5	2	
25	Site and Building #1 - ROMP11	Building Construction	10/19/2026	1/25/2027	5	71	
26	Site and Building #1 - ROMP10 ArcCoa	Architectural Coating	11/17/2026	11/18/2026	5	2	
27	Site and Building #1 - ROMP12	Building Construction	12/28/2026	4/5/2027	5	71	
28	Site and Building #1 - ROMP11 ArcCoa	Architectural Coating	1/26/2027	1/27/2027	5	2	
29	Site and Building #1 - ROMP12 ArcCoa	Architectural Coating	4/6/2027	4/7/2027	5	2	

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

Acres of Grading (Site Preparation Phase): 44

Acres of Grading (Grading Phase): 135

Acres of Paving: 3.53

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 330,750; Non-Residential Outdoor: 110,250; Striped Parking Area: 9,232 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site and Building #1 - Site Preparation	Concrete/Industrial Saws	0	8.00	81	0.73
Site and Building #1 - Site Preparation	Excavators	4	8.00	158	0.38
Site and Building #1 - Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site and Building #1 - Site Preparation	Scrapers	4	8.00	367	0.48
Site and Building #1 - Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site and Building #1 - Grading	Excavators	3	8.00	158	0.38
Site and Building #1 - Grading	Graders	3	8.00	187	0.41
Site and Building #1 - Grading	Rollers	3	8.00	80	0.38
Site and Building #1 - Grading	Rubber Tired Dozers	3	8.00	247	0.40
Site and Building #1 - Grading	Scrapers	3	8.00	367	0.48
Site and Building #1 - Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site and Building #1 - Foundation	Bore/Drill Rigs	4	8.00	221	0.50
Site and Building #1 - Foundation	Cement and Mortar Mixers	4	8.00	9	0.56
Site and Building #1 - Foundation	Cranes	0	8.00	231	0.29
Site and Building #1 - Foundation	Excavators	3	8.00	158	0.38
Site and Building #1 - Foundation	Forklifts	0	8.00	89	0.20
Site and Building #1 - Foundation	Generator Sets	0	8.00	84	0.74
Site and Building #1 - Foundation	Other Construction Equipment	4	8.00	172	0.42
Site and Building #1 - Foundation	Pumps	4	8.00	84	0.74
Site and Building #1 - Foundation	Tractors/Loaders/Backhoes	3	8.00	97	0.37

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

Site and Building #1 - Foundation	Welders	0	8.00	46	0.45
Site and Building #1 - Structural/Building Exterior/Roof	Cement and Mortar Mixers	4	8.00	9	0.56
Site and Building #1 - Structural/Building Exterior/Roof	Cranes	2	8.00	231	0.29
Site and Building #1 - Structural/Building Exterior/Roof	Forklifts	6	8.00	89	0.20
Site and Building #1 - Structural/Building Exterior/Roof	Generator Sets	2	8.00	84	0.74
Site and Building #1 - Structural/Building Exterior/Roof	Other Construction Equipment	4	8.00	172	0.42
Site and Building #1 - Structural/Building Exterior/Roof	Pumps	4	8.00	84	0.74
Site and Building #1 - Structural/Building Exterior/Roof	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site and Building #1 - Structural/Building Exterior/Roof	Welders	4	8.00	46	0.45
Site and Building #1 - ROMP01	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP01	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP01	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP01	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP01	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP01	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP01	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP01	Welders	3	8.00	46	0.45
Site and Building #1 - Paving	Excavators	2	8.00	158	0.38
Site and Building #1 - Paving	Graders	2	8.00	187	0.41
Site and Building #1 - Paving	Pavers	2	8.00	130	0.42
Site and Building #1 - Paving	Paving Equipment	2	8.00	132	0.36
Site and Building #1 - Paving	Plate Compactors	2	8.00	8	0.43
Site and Building #1 - Paving	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - Paving	Rollers	2	8.00	80	0.38
Site and Building #1 - Paving	Rubber Tired Dozers	2	8.00	247	0.40
Site and Building #1 - Paving	Scrapers	2	8.00	367	0.48
Site and Building #1 - Paving	Tractors/Loaders/Backhoes	2	8.00	97	0.37

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

Site and Building #1 - ROMP02		0		0	
Site and Building #1 - ROMP02	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP02	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP02	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP02	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP02	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP02	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP02	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Site and Building #1 - ROMP02	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP01 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP03	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP03	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP03	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP03	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP03	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP03	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP03	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP03	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP02 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP04	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP04	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP04	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP04	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP04	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP04	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP04	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP04	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP03 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP05	Air Compressors	0	8.00	78	0.48

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

Site and Building #1 - ROMP05	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP05	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP05	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP05	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP05	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP05	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP05	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP04 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP06	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP06	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP06	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP06	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP06	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP06	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP06	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP06	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP05 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP07	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP07	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP07	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP07	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP07	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP07	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP07	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP07	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP06 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP08	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP08	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP08	Forklifts	4	8.00	89	0.20

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

Site and Building #1 - ROMP08	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP08	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP08	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP08	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP08	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP07 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP09	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP09	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP09	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP09	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP09	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP09	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP09	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP09	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP08 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP10	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP10	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP10	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP10	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP10	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP10	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP10	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP10	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP09 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP11	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP11	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP11	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP11	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP11	Pressure Washers	2	8.00	13	0.30

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

Site and Building #1 - ROMP11	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP11	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP11	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP10 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP12	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP12	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP12	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP12	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP12	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP12	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP12	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP12	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP11 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP12 ArcCoa	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site and Building #1 - Site Preparation	12	30.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - Grading	18	45.00	0.00	13,125.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - Foundation	22	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - Structural/Building Ext	27	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP01	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - Paving	20	50.00	0.00	356.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP02	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP01 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP03	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP02 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

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

Site and Building #1 - ROMP04	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP03 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP05	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP04 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP06	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP05 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP07	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP06 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP08	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP07 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP09	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP08 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP10	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP09 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP11	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP10 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP12	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP11 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP12 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	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

Reduce Vehicle Speed on Unpaved Roads

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

3.2 Site and Building #1 - Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0233	0.0000	0.0233	2.5200e-003	0.0000	2.5200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0239	0.2320	0.2523	5.2000e-004		9.6700e-003	9.6700e-003		8.9000e-003	8.9000e-003	0.0000	45.3274	45.3274	0.0147	0.0000	45.6939
Total	**0.0239**	**0.2320**	**0.2523**	**5.2000e-004**	**0.0233**	**9.6700e-003**	**0.0330**	**2.5200e-003**	**8.9000e-003**	**0.0114**	**0.0000**	**45.3274**	**45.3274**	**0.0147**	**0.0000**	**45.6939**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	2.6000e-004	3.4400e-003	1.0000e-005	1.3100e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.9644	0.9644	3.0000e-005	3.0000e-005	0.9728
Total	**3.9000e-004**	**2.6000e-004**	**3.4400e-003**	**1.0000e-005**	**1.3100e-003**	**1.0000e-005**	**1.3100e-003**	**3.5000e-004**	**1.0000e-005**	**3.5000e-004**	**0.0000**	**0.9644**	**0.9644**	**3.0000e-005**	**3.0000e-005**	**0.9728**

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

3.2 Site and Building #1 - Site Preparation - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0105	0.0000	0.0105	1.1300e-003	0.0000	1.1300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.7400e-003	0.0868	0.2737	5.2000e-004		4.7400e-003	4.7400e-003		4.6200e-003	4.6200e-003	0.0000	45.3273	45.3273	0.0147	0.0000	45.6938
Total	**9.7400e-003**	**0.0868**	**0.2737**	**5.2000e-004**	**0.0105**	**4.7400e-003**	**0.0152**	**1.1300e-003**	**4.6200e-003**	**5.7500e-003**	**0.0000**	**45.3273**	**45.3273**	**0.0147**	**0.0000**	**45.6938**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	2.6000e-004	3.4400e-003	1.0000e-005	1.3100e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.9644	0.9644	3.0000e-005	3.0000e-005	0.9728
Total	**3.9000e-004**	**2.6000e-004**	**3.4400e-003**	**1.0000e-005**	**1.3100e-003**	**1.0000e-005**	**1.3100e-003**	**3.5000e-004**	**1.0000e-005**	**3.5000e-004**	**0.0000**	**0.9644**	**0.9644**	**3.0000e-005**	**3.0000e-005**	**0.9728**

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

3.3 Site and Building #1 - Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3515	0.0000	0.3515	0.1580	0.0000	0.1580	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1026	1.0510	0.8147	1.8600e-003		0.0439	0.0439		0.0404	0.0404	0.0000	162.9979	162.9979	0.0527	0.0000	164.3158
Total	**0.1026**	**1.0510**	**0.8147**	**1.8600e-003**	**0.3515**	**0.0439**	**0.3955**	**0.1580**	**0.0404**	**0.1985**	**0.0000**	**162.9979**	**162.9979**	**0.0527**	**0.0000**	**164.3158**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0137	0.8928	0.2084	3.9000e-003	0.1114	7.2900e-003	0.1187	0.0306	6.9700e-003	0.0376	0.0000	386.7706	386.7706	0.0133	0.0613	405.3773
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5800e-003	1.0500e-003	0.0141	4.0000e-005	5.3500e-003	3.0000e-005	5.3800e-003	1.4200e-003	2.0000e-005	1.4500e-003	0.0000	3.9453	3.9453	1.1000e-004	1.1000e-004	3.9796
Total	**0.0153**	**0.8938**	**0.2225**	**3.9400e-003**	**0.1167**	**7.3200e-003**	**0.1240**	**0.0321**	**6.9900e-003**	**0.0391**	**0.0000**	**390.7159**	**390.7159**	**0.0134**	**0.0614**	**409.3568**

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

3.3 Site and Building #1 - Grading - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1582	0.0000	0.1582	0.0711	0.0000	0.0711	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0312	0.2798	0.9556	1.8600e-003		0.0154	0.0154		0.0152	0.0152	0.0000	162.9977	162.9977	0.0527	0.0000	164.3156
Total	**0.0312**	**0.2798**	**0.9556**	**1.8600e-003**	**0.1582**	**0.0154**	**0.1736**	**0.0711**	**0.0152**	**0.0863**	**0.0000**	**162.9977**	**162.9977**	**0.0527**	**0.0000**	**164.3156**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0137	0.8928	0.2084	3.9000e-003	0.1114	7.2900e-003	0.1187	0.0306	6.9700e-003	0.0376	0.0000	386.7706	386.7706	0.0133	0.0613	405.3773
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5800e-003	1.0500e-003	0.0141	4.0000e-005	5.3500e-003	3.0000e-005	5.3800e-003	1.4200e-003	2.0000e-005	1.4500e-003	0.0000	3.9453	3.9453	1.1000e-004	1.1000e-004	3.9796
Total	**0.0153**	**0.8938**	**0.2225**	**3.9400e-003**	**0.1167**	**7.3200e-003**	**0.1240**	**0.0321**	**6.9900e-003**	**0.0391**	**0.0000**	**390.7159**	**390.7159**	**0.0134**	**0.0614**	**409.3568**

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

3.4 Site and Building #1 - Foundation - 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	0.2415	2.1414	2.9830	6.1200e-003		0.0969	0.0969		0.0914	0.0914	0.0000	531.6496	531.6496	0.1367	0.0000	535.0663
Total	**0.2415**	**2.1414**	**2.9830**	**6.1200e-003**		**0.0969**	**0.0969**		**0.0914**	**0.0914**	**0.0000**	**531.6496**	**531.6496**	**0.1367**	**0.0000**	**535.0663**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.2700e-003	0.1325	0.0425	5.9000e-004	0.0191	7.7000e-004	0.0198	5.5100e-003	7.3000e-004	6.2500e-003	0.0000	57.1465	57.1465	1.2100e-003	8.3900e-003	59.6757
Worker	0.0193	0.0128	0.1717	5.3000e-004	0.0654	3.1000e-004	0.0657	0.0174	2.8000e-004	0.0177	0.0000	48.1769	48.1769	1.3000e-003	1.2900e-003	48.5948
Total	**0.0226**	**0.1453**	**0.2142**	**1.1200e-003**	**0.0844**	**1.0800e-003**	**0.0855**	**0.0229**	**1.0100e-003**	**0.0239**	**0.0000**	**105.3234**	**105.3234**	**2.5100e-003**	**9.6800e-003**	**108.2704**

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

3.4 Site and Building #1 - Foundation - 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	0.1370	1.9294	3.6901	6.1200e-003		0.1105	0.1105		0.1096	0.1096	0.0000	531.6490	531.6490	0.1367	0.0000	535.0657
Total	**0.1370**	**1.9294**	**3.6901**	**6.1200e-003**		**0.1105**	**0.1105**		**0.1096**	**0.1096**	**0.0000**	**531.6490**	**531.6490**	**0.1367**	**0.0000**	**535.0657**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.2700e-003	0.1325	0.0425	5.9000e-004	0.0191	7.7000e-004	0.0198	5.5100e-003	7.3000e-004	6.2500e-003	0.0000	57.1465	57.1465	1.2100e-003	8.3900e-003	59.6757
Worker	0.0193	0.0128	0.1717	5.3000e-004	0.0654	3.1000e-004	0.0657	0.0174	2.8000e-004	0.0177	0.0000	48.1769	48.1769	1.3000e-003	1.2900e-003	48.5948
Total	**0.0226**	**0.1453**	**0.2142**	**1.1200e-003**	**0.0844**	**1.0800e-003**	**0.0855**	**0.0229**	**1.0100e-003**	**0.0239**	**0.0000**	**105.3234**	**105.3234**	**2.5100e-003**	**9.6800e-003**	**108.2704**

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

3.5 Site and Building #1 - Structural/Building Exterior/Roof - 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	0.1702	1.4700	1.7630	3.0300e-003		0.0679	0.0679		0.0648	0.0648	0.0000	257.7510	257.7510	0.0486	0.0000	258.9662
Total	**0.1702**	**1.4700**	**1.7630**	**3.0300e-003**		**0.0679**	**0.0679**		**0.0648**	**0.0648**	**0.0000**	**257.7510**	**257.7510**	**0.0486**	**0.0000**	**258.9662**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8700e-003	0.0757	0.0243	3.4000e-004	0.0109	4.4000e-004	0.0113	3.1500e-003	4.2000e-004	3.5700e-003	0.0000	32.6552	32.6552	6.9000e-004	4.7900e-003	34.1004
Worker	0.0110	7.3300e-003	0.0981	3.0000e-004	0.0374	1.8000e-004	0.0375	9.9300e-003	1.6000e-004	0.0101	0.0000	27.5297	27.5297	7.4000e-004	7.4000e-004	27.7684
Total	**0.0129**	**0.0830**	**0.1224**	**6.4000e-004**	**0.0483**	**6.2000e-004**	**0.0489**	**0.0131**	**5.8000e-004**	**0.0137**	**0.0000**	**60.1848**	**60.1848**	**1.4300e-003**	**5.5300e-003**	**61.8688**

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

3.5 Site and Building #1 - Structural/Building Exterior/Roof - 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	0.0624	1.1649	1.7682	2.7300e-003		0.0718	0.0718		0.0718	0.0718	0.0000	235.1643	235.1643	0.0463	0.0000	236.3218
Total	**0.0624**	**1.1649**	**1.7682**	**2.7300e-003**		**0.0718**	**0.0718**		**0.0718**	**0.0718**	**0.0000**	**235.1643**	**235.1643**	**0.0463**	**0.0000**	**236.3218**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8700e-003	0.0757	0.0243	3.4000e-004	0.0109	4.4000e-004	0.0113	3.1500e-003	4.2000e-004	3.5700e-003	0.0000	32.6552	32.6552	6.9000e-004	4.7900e-003	34.1004
Worker	0.0110	7.3300e-003	0.0981	3.0000e-004	0.0374	1.8000e-004	0.0375	9.9300e-003	1.6000e-004	0.0101	0.0000	27.5297	27.5297	7.4000e-004	7.4000e-004	27.7684
Total	**0.0129**	**0.0830**	**0.1224**	**6.4000e-004**	**0.0483**	**6.2000e-004**	**0.0489**	**0.0131**	**5.8000e-004**	**0.0137**	**0.0000**	**60.1848**	**60.1848**	**1.4300e-003**	**5.5300e-003**	**61.8688**

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

3.6 Site and Building #1 - ROMP01 - 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	0.0605	0.5164	0.5364	9.9000e-004		0.0231	0.0231		0.0220	0.0220	0.0000	83.1988	83.1988	0.0161	0.0000	83.6008
Total	**0.0605**	**0.5164**	**0.5364**	**9.9000e-004**		**0.0231**	**0.0231**		**0.0220**	**0.0220**	**0.0000**	**83.1988**	**83.1988**	**0.0161**	**0.0000**	**83.6008**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4600e-003	0.0593	0.0190	2.6000e-004	8.5300e-003	3.4000e-004	8.8800e-003	2.4700e-003	3.3000e-004	2.8000e-003	0.0000	25.5799	25.5799	5.4000e-004	3.7500e-003	26.7120
Worker	8.6400e-003	5.7400e-003	0.0769	2.4000e-004	0.0293	1.4000e-004	0.0294	7.7800e-003	1.3000e-004	7.9100e-003	0.0000	21.5649	21.5649	5.8000e-004	5.8000e-004	21.7519
Total	**0.0101**	**0.0650**	**0.0959**	**5.0000e-004**	**0.0378**	**4.8000e-004**	**0.0383**	**0.0103**	**4.6000e-004**	**0.0107**	**0.0000**	**47.1448**	**47.1448**	**1.1200e-003**	**4.3300e-003**	**48.4639**

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

3.6 Site and Building #1 - ROMP01 - 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	0.0145	0.2699	0.4672	7.8000e-004		0.0184	0.0184		0.0184	0.0184	0.0000	68.2625	68.2625	0.0146	0.0000	68.6265
Total	**0.0145**	**0.2699**	**0.4672**	**7.8000e-004**		**0.0184**	**0.0184**		**0.0184**	**0.0184**	**0.0000**	**68.2625**	**68.2625**	**0.0146**	**0.0000**	**68.6265**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4600e-003	0.0593	0.0190	2.6000e-004	8.5300e-003	3.4000e-004	8.8800e-003	2.4700e-003	3.3000e-004	2.8000e-003	0.0000	25.5799	25.5799	5.4000e-004	3.7500e-003	26.7120
Worker	8.6400e-003	5.7400e-003	0.0769	2.4000e-004	0.0293	1.4000e-004	0.0294	7.7800e-003	1.3000e-004	7.9100e-003	0.0000	21.5649	21.5649	5.8000e-004	5.8000e-004	21.7519
Total	**0.0101**	**0.0650**	**0.0959**	**5.0000e-004**	**0.0378**	**4.8000e-004**	**0.0383**	**0.0103**	**4.6000e-004**	**0.0107**	**0.0000**	**47.1448**	**47.1448**	**1.1200e-003**	**4.3300e-003**	**48.4639**

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

3.6 Site and Building #1 - ROMP01 - 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	0.0469	0.3993	0.4420	8.2000e-004		0.0169	0.0169		0.0161	0.0161	0.0000	69.0380	69.0380	0.0132	0.0000	69.3676
Total	**0.0469**	**0.3993**	**0.4420**	**8.2000e-004**		**0.0169**	**0.0169**		**0.0161**	**0.0161**	**0.0000**	**69.0380**	**69.0380**	**0.0132**	**0.0000**	**69.3676**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1900e-003	0.0490	0.0156	2.1000e-004	7.0800e-003	2.8000e-004	7.3700e-003	2.0500e-003	2.7000e-004	2.3200e-003	0.0000	20.8660	20.8660	4.4000e-004	3.0600e-003	21.7877
Worker	6.7500e-003	4.3000e-003	0.0598	1.9000e-004	0.0243	1.1000e-004	0.0244	6.4600e-003	1.0000e-004	6.5600e-003	0.0000	17.3022	17.3022	4.4000e-004	4.5000e-004	17.4474
Total	**7.9400e-003**	**0.0533**	**0.0754**	**4.0000e-004**	**0.0314**	**3.9000e-004**	**0.0318**	**8.5100e-003**	**3.7000e-004**	**8.8800e-003**	**0.0000**	**38.1682**	**38.1682**	**8.8000e-004**	**3.5100e-003**	**39.2351**

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

3.6 Site and Building #1 - ROMP01 - 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	0.0121	0.2240	0.3876	6.5000e-004		0.0152	0.0152		0.0152	0.0152	0.0000	56.6440	56.6440	0.0120	0.0000	56.9442
Total	**0.0121**	**0.2240**	**0.3876**	**6.5000e-004**		**0.0152**	**0.0152**		**0.0152**	**0.0152**	**0.0000**	**56.6440**	**56.6440**	**0.0120**	**0.0000**	**56.9442**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1900e-003	0.0490	0.0156	2.1000e-004	7.0800e-003	2.8000e-004	7.3700e-003	2.0500e-003	2.7000e-004	2.3200e-003	0.0000	20.8660	20.8660	4.4000e-004	3.0600e-003	21.7877
Worker	6.7500e-003	4.3000e-003	0.0598	1.9000e-004	0.0243	1.1000e-004	0.0244	6.4600e-003	1.0000e-004	6.5600e-003	0.0000	17.3022	17.3022	4.4000e-004	4.5000e-004	17.4474
Total	**7.9400e-003**	**0.0533**	**0.0754**	**4.0000e-004**	**0.0314**	**3.9000e-004**	**0.0318**	**8.5100e-003**	**3.7000e-004**	**8.8800e-003**	**0.0000**	**38.1682**	**38.1682**	**8.8000e-004**	**3.5100e-003**	**39.2351**

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

3.7 Site and Building #1 - Paving - 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	0.1220	1.2213	1.0809	2.3000e-003		0.0519	0.0519		0.0478	0.0478	0.0000	200.6858	200.6858	0.0642	0.0000	202.2917
Paving	2.2900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1243**	**1.2213**	**1.0809**	**2.3000e-003**		**0.0519**	**0.0519**		**0.0478**	**0.0478**	**0.0000**	**200.6858**	**200.6858**	**0.0642**	**0.0000**	**202.2917**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8000e-004	0.0120	2.8000e-003	5.0000e-005	1.4900e-003	1.0000e-004	1.5900e-003	4.1000e-004	9.0000e-005	5.0000e-004	0.0000	5.1877	5.1877	1.8000e-004	8.2000e-004	5.4373
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6300e-003	1.7500e-003	0.0234	7.0000e-005	8.9200e-003	4.0000e-005	8.9600e-003	2.3700e-003	4.0000e-005	2.4100e-003	0.0000	6.5756	6.5756	1.8000e-004	1.8000e-004	6.6326
Total	**2.8100e-003**	**0.0137**	**0.0262**	**1.2000e-004**	**0.0104**	**1.4000e-004**	**0.0106**	**2.7800e-003**	**1.3000e-004**	**2.9100e-003**	**0.0000**	**11.7633**	**11.7633**	**3.6000e-004**	**1.0000e-003**	**12.0699**

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

3.7 Site and Building #1 - Paving - 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	0.0456	0.4590	1.2410	2.2700e-003		0.0240	0.0240		0.0235	0.0235	0.0000	199.0898	199.0898	0.0641	0.0000	200.6918
Paving	2.2900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0479**	**0.4590**	**1.2410**	**2.2700e-003**		**0.0240**	**0.0240**		**0.0235**	**0.0235**	**0.0000**	**199.0898**	**199.0898**	**0.0641**	**0.0000**	**200.6918**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8000e-004	0.0120	2.8000e-003	5.0000e-005	1.4900e-003	1.0000e-004	1.5900e-003	4.1000e-004	9.0000e-005	5.0000e-004	0.0000	5.1877	5.1877	1.8000e-004	8.2000e-004	5.4373
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6300e-003	1.7500e-003	0.0234	7.0000e-005	8.9200e-003	4.0000e-005	8.9600e-003	2.3700e-003	4.0000e-005	2.4100e-003	0.0000	6.5756	6.5756	1.8000e-004	1.8000e-004	6.6326
Total	**2.8100e-003**	**0.0137**	**0.0262**	**1.2000e-004**	**0.0104**	**1.4000e-004**	**0.0106**	**2.7800e-003**	**1.3000e-004**	**2.9100e-003**	**0.0000**	**11.7633**	**11.7633**	**3.6000e-004**	**1.0000e-003**	**12.0699**

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

3.7 Site and Building #1 - Paving - 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	0.1087	1.0495	1.0209	2.2500e-003		0.0439	0.0439		0.0405	0.0405	0.0000	196.1751	196.1751	0.0628	0.0000	197.7448
Paving	2.2400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1109**	**1.0495**	**1.0209**	**2.2500e-003**		**0.0439**	**0.0439**		**0.0405**	**0.0405**	**0.0000**	**196.1751**	**196.1751**	**0.0628**	**0.0000**	**197.7448**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8000e-004	0.0116	2.7500e-003	5.0000e-005	1.4600e-003	1.0000e-004	1.5600e-003	4.0000e-004	9.0000e-005	4.9000e-004	0.0000	4.9747	4.9747	1.7000e-004	7.9000e-004	5.2141
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4300e-003	1.5400e-003	0.0215	7.0000e-005	8.7200e-003	4.0000e-005	8.7600e-003	2.3200e-003	4.0000e-005	2.3600e-003	0.0000	6.2167	6.2167	1.6000e-004	1.6000e-004	6.2689
Total	**2.6100e-003**	**0.0132**	**0.0242**	**1.2000e-004**	**0.0102**	**1.4000e-004**	**0.0103**	**2.7200e-003**	**1.3000e-004**	**2.8500e-003**	**0.0000**	**11.1914**	**11.1914**	**3.3000e-004**	**9.5000e-004**	**11.4830**

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

3.7 Site and Building #1 - Paving - 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	0.0432	0.4307	1.2122	2.2200e-003		0.0226	0.0226		0.0222	0.0222	0.0000	194.6146	194.6146	0.0626	0.0000	196.1806
Paving	2.2400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0455**	**0.4307**	**1.2122**	**2.2200e-003**		**0.0226**	**0.0226**		**0.0222**	**0.0222**	**0.0000**	**194.6146**	**194.6146**	**0.0626**	**0.0000**	**196.1806**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8000e-004	0.0116	2.7500e-003	5.0000e-005	1.4600e-003	1.0000e-004	1.5600e-003	4.0000e-004	9.0000e-005	4.9000e-004	0.0000	4.9747	4.9747	1.7000e-004	7.9000e-004	5.2141
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4300e-003	1.5400e-003	0.0215	7.0000e-005	8.7200e-003	4.0000e-005	8.7600e-003	2.3200e-003	4.0000e-005	2.3600e-003	0.0000	6.2167	6.2167	1.6000e-004	1.6000e-004	6.2689
Total	**2.6100e-003**	**0.0132**	**0.0242**	**1.2000e-004**	**0.0102**	**1.4000e-004**	**0.0103**	**2.7200e-003**	**1.3000e-004**	**2.8500e-003**	**0.0000**	**11.1914**	**11.1914**	**3.3000e-004**	**9.5000e-004**	**11.4830**

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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 Site and Building #1 - ROMP02 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1600e-003	0.0892	0.0283	3.9000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	5.0000e-004	4.2200e-003	0.0000	37.9868	37.9868	8.1000e-004	5.5600e-003	39.6647
Worker	0.0123	7.8200e-003	0.1089	3.4000e-004	0.0442	2.0000e-004	0.0444	0.0118	1.8000e-004	0.0119	0.0000	31.4988	31.4988	8.0000e-004	8.2000e-004	31.7633
Total	**0.0145**	**0.0970**	**0.1372**	**7.3000e-004**	**0.0571**	**7.2000e-004**	**0.0578**	**0.0155**	**6.8000e-004**	**0.0162**	**0.0000**	**69.4856**	**69.4856**	**1.6100e-003**	**6.3800e-003**	**71.4280**

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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 Site and Building #1 - ROMP02 - 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	0.0219	0.4077	0.7057	1.1800e-003		0.0277	0.0277		0.0277	0.0277	0.0000	103.1212	103.1212	0.0219	0.0000	103.6676
Total	**0.0219**	**0.4077**	**0.7057**	**1.1800e-003**		**0.0277**	**0.0277**		**0.0277**	**0.0277**	**0.0000**	**103.1212**	**103.1212**	**0.0219**	**0.0000**	**103.6676**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1600e-003	0.0892	0.0283	3.9000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	5.0000e-004	4.2200e-003	0.0000	37.9868	37.9868	8.1000e-004	5.5600e-003	39.6647
Worker	0.0123	7.8200e-003	0.1089	3.4000e-004	0.0442	2.0000e-004	0.0444	0.0118	1.8000e-004	0.0119	0.0000	31.4988	31.4988	8.0000e-004	8.2000e-004	31.7633
Total	**0.0145**	**0.0970**	**0.1372**	**7.3000e-004**	**0.0571**	**7.2000e-004**	**0.0578**	**0.0155**	**6.8000e-004**	**0.0162**	**0.0000**	**69.4856**	**69.4856**	**1.6100e-003**	**6.3800e-003**	**71.4280**

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

3.9 Site and Building #1 - ROMP01 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

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

3.9 Site and Building #1 - ROMP01 ArcCoa - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1819**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

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

3.10 Site and Building #1 - ROMP03 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1600e-003	0.0892	0.0283	3.9000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	5.0000e-004	4.2200e-003	0.0000	37.9868	37.9868	8.1000e-004	5.5600e-003	39.6647
Worker	0.0123	7.8200e-003	0.1089	3.4000e-004	0.0442	2.0000e-004	0.0444	0.0118	1.8000e-004	0.0119	0.0000	31.4988	31.4988	8.0000e-004	8.2000e-004	31.7633
Total	**0.0145**	**0.0970**	**0.1372**	**7.3000e-004**	**0.0571**	**7.2000e-004**	**0.0578**	**0.0155**	**6.8000e-004**	**0.0162**	**0.0000**	**69.4856**	**69.4856**	**1.6100e-003**	**6.3800e-003**	**71.4280**

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

3.10 Site and Building #1 - ROMP03 - 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	0.0219	0.4077	0.7057	1.1800e-003		0.0277	0.0277		0.0277	0.0277	0.0000	103.1212	103.1212	0.0219	0.0000	103.6676
Total	**0.0219**	**0.4077**	**0.7057**	**1.1800e-003**		**0.0277**	**0.0277**		**0.0277**	**0.0277**	**0.0000**	**103.1212**	**103.1212**	**0.0219**	**0.0000**	**103.6676**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1600e-003	0.0892	0.0283	3.9000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	5.0000e-004	4.2200e-003	0.0000	37.9868	37.9868	8.1000e-004	5.5600e-003	39.6647
Worker	0.0123	7.8200e-003	0.1089	3.4000e-004	0.0442	2.0000e-004	0.0444	0.0118	1.8000e-004	0.0119	0.0000	31.4988	31.4988	8.0000e-004	8.2000e-004	31.7633
Total	**0.0145**	**0.0970**	**0.1372**	**7.3000e-004**	**0.0571**	**7.2000e-004**	**0.0578**	**0.0155**	**6.8000e-004**	**0.0162**	**0.0000**	**69.4856**	**69.4856**	**1.6100e-003**	**6.3800e-003**	**71.4280**

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

3.11 Site and Building #1 - ROMP02 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

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

3.11 Site and Building #1 - ROMP02 ArcCoa - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1819**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

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

3.12 Site and Building #1 - ROMP04 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1600e-003	0.0892	0.0283	3.9000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	5.0000e-004	4.2200e-003	0.0000	37.9868	37.9868	8.1000e-004	5.5600e-003	39.6647
Worker	0.0123	7.8200e-003	0.1089	3.4000e-004	0.0442	2.0000e-004	0.0444	0.0118	1.8000e-004	0.0119	0.0000	31.4988	31.4988	8.0000e-004	8.2000e-004	31.7633
Total	**0.0145**	**0.0970**	**0.1372**	**7.3000e-004**	**0.0571**	**7.2000e-004**	**0.0578**	**0.0155**	**6.8000e-004**	**0.0162**	**0.0000**	**69.4856**	**69.4856**	**1.6100e-003**	**6.3800e-003**	**71.4280**

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

3.12 Site and Building #1 - ROMP04 - 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	0.0219	0.4077	0.7057	1.1800e-003		0.0277	0.0277		0.0277	0.0277	0.0000	103.1212	103.1212	0.0219	0.0000	103.6676
Total	**0.0219**	**0.4077**	**0.7057**	**1.1800e-003**		**0.0277**	**0.0277**		**0.0277**	**0.0277**	**0.0000**	**103.1212**	**103.1212**	**0.0219**	**0.0000**	**103.6676**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1600e-003	0.0892	0.0283	3.9000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	5.0000e-004	4.2200e-003	0.0000	37.9868	37.9868	8.1000e-004	5.5600e-003	39.6647
Worker	0.0123	7.8200e-003	0.1089	3.4000e-004	0.0442	2.0000e-004	0.0444	0.0118	1.8000e-004	0.0119	0.0000	31.4988	31.4988	8.0000e-004	8.2000e-004	31.7633
Total	**0.0145**	**0.0970**	**0.1372**	**7.3000e-004**	**0.0571**	**7.2000e-004**	**0.0578**	**0.0155**	**6.8000e-004**	**0.0162**	**0.0000**	**69.4856**	**69.4856**	**1.6100e-003**	**6.3800e-003**	**71.4280**

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

3.13 Site and Building #1 - ROMP03 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

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

3.13 Site and Building #1 - ROMP03 ArcCoa - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1819**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

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

3.14 Site and Building #1 - ROMP05 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1600e-003	0.0892	0.0283	3.9000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	5.0000e-004	4.2200e-003	0.0000	37.9868	37.9868	8.1000e-004	5.5600e-003	39.6647
Worker	0.0123	7.8200e-003	0.1089	3.4000e-004	0.0442	2.0000e-004	0.0444	0.0118	1.8000e-004	0.0119	0.0000	31.4988	31.4988	8.0000e-004	8.2000e-004	31.7633
Total	**0.0145**	**0.0970**	**0.1372**	**7.3000e-004**	**0.0571**	**7.2000e-004**	**0.0578**	**0.0155**	**6.8000e-004**	**0.0162**	**0.0000**	**69.4856**	**69.4856**	**1.6100e-003**	**6.3800e-003**	**71.4280**

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

3.14 Site and Building #1 - ROMP05 - 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	0.0219	0.4077	0.7057	1.1800e-003		0.0277	0.0277		0.0277	0.0277	0.0000	103.1212	103.1212	0.0219	0.0000	103.6676
Total	**0.0219**	**0.4077**	**0.7057**	**1.1800e-003**		**0.0277**	**0.0277**		**0.0277**	**0.0277**	**0.0000**	**103.1212**	**103.1212**	**0.0219**	**0.0000**	**103.6676**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1600e-003	0.0892	0.0283	3.9000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	5.0000e-004	4.2200e-003	0.0000	37.9868	37.9868	8.1000e-004	5.5600e-003	39.6647
Worker	0.0123	7.8200e-003	0.1089	3.4000e-004	0.0442	2.0000e-004	0.0444	0.0118	1.8000e-004	0.0119	0.0000	31.4988	31.4988	8.0000e-004	8.2000e-004	31.7633
Total	**0.0145**	**0.0970**	**0.1372**	**7.3000e-004**	**0.0571**	**7.2000e-004**	**0.0578**	**0.0155**	**6.8000e-004**	**0.0162**	**0.0000**	**69.4856**	**69.4856**	**1.6100e-003**	**6.3800e-003**	**71.4280**

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

3.15 Site and Building #1 - ROMP04 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

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

3.15 Site and Building #1 - ROMP04 ArcCoa - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1819**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

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

3.16 Site and Building #1 - ROMP06 - 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	0.0517	0.4403	0.4873	9.1000e-004		0.0186	0.0186		0.0177	0.0177	0.0000	76.1188	76.1188	0.0145	0.0000	76.4822
Total	**0.0517**	**0.4403**	**0.4873**	**9.1000e-004**		**0.0186**	**0.0186**		**0.0177**	**0.0177**	**0.0000**	**76.1188**	**76.1188**	**0.0145**	**0.0000**	**76.4822**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3100e-003	0.0540	0.0172	2.4000e-004	7.8100e-003	3.1000e-004	8.1200e-003	2.2600e-003	3.0000e-004	2.5600e-003	0.0000	23.0061	23.0061	4.9000e-004	3.3700e-003	24.0223
Worker	7.4500e-003	4.7400e-003	0.0659	2.1000e-004	0.0268	1.2000e-004	0.0269	7.1200e-003	1.1000e-004	7.2300e-003	0.0000	19.0768	19.0768	4.9000e-004	5.0000e-004	19.2369
Total	**8.7600e-003**	**0.0588**	**0.0831**	**4.5000e-004**	**0.0346**	**4.3000e-004**	**0.0350**	**9.3800e-003**	**4.1000e-004**	**9.7900e-003**	**0.0000**	**42.0828**	**42.0828**	**9.8000e-004**	**3.8700e-003**	**43.2592**

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

3.16 Site and Building #1 - ROMP06 - 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	0.0133	0.2469	0.4274	7.2000e-004		0.0168	0.0168		0.0168	0.0168	0.0000	62.4537	62.4537	0.0132	0.0000	62.7846
Total	**0.0133**	**0.2469**	**0.4274**	**7.2000e-004**		**0.0168**	**0.0168**		**0.0168**	**0.0168**	**0.0000**	**62.4537**	**62.4537**	**0.0132**	**0.0000**	**62.7846**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3100e-003	0.0540	0.0172	2.4000e-004	7.8100e-003	3.1000e-004	8.1200e-003	2.2600e-003	3.0000e-004	2.5600e-003	0.0000	23.0061	23.0061	4.9000e-004	3.3700e-003	24.0223
Worker	7.4500e-003	4.7400e-003	0.0659	2.1000e-004	0.0268	1.2000e-004	0.0269	7.1200e-003	1.1000e-004	7.2300e-003	0.0000	19.0768	19.0768	4.9000e-004	5.0000e-004	19.2369
Total	**8.7600e-003**	**0.0588**	**0.0831**	**4.5000e-004**	**0.0346**	**4.3000e-004**	**0.0350**	**9.3800e-003**	**4.1000e-004**	**9.7900e-003**	**0.0000**	**42.0828**	**42.0828**	**9.8000e-004**	**3.8700e-003**	**43.2592**

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

3.16 Site and Building #1 - ROMP06 - 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	0.0337	0.2867	0.3173	5.9000e-004		0.0121	0.0121		0.0115	0.0115	0.0000	49.5658	49.5658	9.4600e-003	0.0000	49.8024
Total	**0.0337**	**0.2867**	**0.3173**	**5.9000e-004**		**0.0121**	**0.0121**		**0.0115**	**0.0115**	**0.0000**	**49.5658**	**49.5658**	**9.4600e-003**	**0.0000**	**49.8024**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.4000e-004	0.0350	0.0110	1.5000e-004	5.0800e-003	2.0000e-004	5.2900e-003	1.4700e-003	1.9000e-004	1.6700e-003	0.0000	14.7159	14.7159	3.2000e-004	2.1500e-003	15.3646
Worker	4.5900e-003	2.8100e-003	0.0406	1.3000e-004	0.0174	7.0000e-005	0.0175	4.6400e-003	7.0000e-005	4.7100e-003	0.0000	12.0458	12.0458	2.9000e-004	3.1000e-004	12.1442
Total	**5.4300e-003**	**0.0378**	**0.0516**	**2.8000e-004**	**0.0225**	**2.7000e-004**	**0.0228**	**6.1100e-003**	**2.6000e-004**	**6.3800e-003**	**0.0000**	**26.7617**	**26.7617**	**6.1000e-004**	**2.4600e-003**	**27.5088**

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

3.16 Site and Building #1 - ROMP06 - 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	8.6500e-003	0.1608	0.2783	4.7000e-004		0.0109	0.0109		0.0109	0.0109	0.0000	40.6675	40.6675	8.6200e-003	0.0000	40.8830
Total	**8.6500e-003**	**0.1608**	**0.2783**	**4.7000e-004**		**0.0109**	**0.0109**		**0.0109**	**0.0109**	**0.0000**	**40.6675**	**40.6675**	**8.6200e-003**	**0.0000**	**40.8830**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.4000e-004	0.0350	0.0110	1.5000e-004	5.0800e-003	2.0000e-004	5.2900e-003	1.4700e-003	1.9000e-004	1.6700e-003	0.0000	14.7159	14.7159	3.2000e-004	2.1500e-003	15.3646
Worker	4.5900e-003	2.8100e-003	0.0406	1.3000e-004	0.0174	7.0000e-005	0.0175	4.6400e-003	7.0000e-005	4.7100e-003	0.0000	12.0458	12.0458	2.9000e-004	3.1000e-004	12.1442
Total	**5.4300e-003**	**0.0378**	**0.0516**	**2.8000e-004**	**0.0225**	**2.7000e-004**	**0.0228**	**6.1100e-003**	**2.6000e-004**	**6.3800e-003**	**0.0000**	**26.7617**	**26.7617**	**6.1000e-004**	**2.4600e-003**	**27.5088**

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

3.17 Site and Building #1 - ROMP05 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

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

3.17 Site and Building #1 - ROMP05 ArcCoa - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1819**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

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

3.18 Site and Building #1 - ROMP07 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1200e-003	0.0886	0.0280	3.8000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	4.9000e-004	4.2200e-003	0.0000	37.3154	37.3154	8.0000e-004	5.4500e-003	38.9603
Worker	0.0116	7.1300e-003	0.1028	3.3000e-004	0.0442	1.9000e-004	0.0444	0.0118	1.7000e-004	0.0119	0.0000	30.5447	30.5447	7.3000e-004	7.8000e-004	30.7942
Total	**0.0138**	**0.0958**	**0.1308**	**7.1000e-004**	**0.0571**	**7.1000e-004**	**0.0578**	**0.0155**	**6.6000e-004**	**0.0162**	**0.0000**	**67.8600**	**67.8600**	**1.5300e-003**	**6.2300e-003**	**69.7545**

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

3.18 Site and Building #1 - ROMP07 - 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	0.0219	0.4077	0.7057	1.1800e-003		0.0277	0.0277		0.0277	0.0277	0.0000	103.1212	103.1212	0.0219	0.0000	103.6676
Total	**0.0219**	**0.4077**	**0.7057**	**1.1800e-003**		**0.0277**	**0.0277**		**0.0277**	**0.0277**	**0.0000**	**103.1212**	**103.1212**	**0.0219**	**0.0000**	**103.6676**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1200e-003	0.0886	0.0280	3.8000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	4.9000e-004	4.2200e-003	0.0000	37.3154	37.3154	8.0000e-004	5.4500e-003	38.9603
Worker	0.0116	7.1300e-003	0.1028	3.3000e-004	0.0442	1.9000e-004	0.0444	0.0118	1.7000e-004	0.0119	0.0000	30.5447	30.5447	7.3000e-004	7.8000e-004	30.7942
Total	**0.0138**	**0.0958**	**0.1308**	**7.1000e-004**	**0.0571**	**7.1000e-004**	**0.0578**	**0.0155**	**6.6000e-004**	**0.0162**	**0.0000**	**67.8600**	**67.8600**	**1.5300e-003**	**6.2300e-003**	**69.7545**

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

3.19 Site and Building #1 - ROMP06 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

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

3.19 Site and Building #1 - ROMP06 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1819**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

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

3.20 Site and Building #1 - ROMP08 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1200e-003	0.0886	0.0280	3.8000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	4.9000e-004	4.2200e-003	0.0000	37.3154	37.3154	8.0000e-004	5.4500e-003	38.9603
Worker	0.0116	7.1300e-003	0.1028	3.3000e-004	0.0442	1.9000e-004	0.0444	0.0118	1.7000e-004	0.0119	0.0000	30.5447	30.5447	7.3000e-004	7.8000e-004	30.7942
Total	**0.0138**	**0.0958**	**0.1308**	**7.1000e-004**	**0.0571**	**7.1000e-004**	**0.0578**	**0.0155**	**6.6000e-004**	**0.0162**	**0.0000**	**67.8600**	**67.8600**	**1.5300e-003**	**6.2300e-003**	**69.7545**

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

3.20 Site and Building #1 - ROMP08 - 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	0.0219	0.4077	0.7057	1.1800e-003		0.0277	0.0277		0.0277	0.0277	0.0000	103.1212	103.1212	0.0219	0.0000	103.6676
Total	**0.0219**	**0.4077**	**0.7057**	**1.1800e-003**		**0.0277**	**0.0277**		**0.0277**	**0.0277**	**0.0000**	**103.1212**	**103.1212**	**0.0219**	**0.0000**	**103.6676**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1200e-003	0.0886	0.0280	3.8000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	4.9000e-004	4.2200e-003	0.0000	37.3154	37.3154	8.0000e-004	5.4500e-003	38.9603
Worker	0.0116	7.1300e-003	0.1028	3.3000e-004	0.0442	1.9000e-004	0.0444	0.0118	1.7000e-004	0.0119	0.0000	30.5447	30.5447	7.3000e-004	7.8000e-004	30.7942
Total	**0.0138**	**0.0958**	**0.1308**	**7.1000e-004**	**0.0571**	**7.1000e-004**	**0.0578**	**0.0155**	**6.6000e-004**	**0.0162**	**0.0000**	**67.8600**	**67.8600**	**1.5300e-003**	**6.2300e-003**	**69.7545**

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

3.21 Site and Building #1 - ROMP07 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

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

3.21 Site and Building #1 - ROMP07 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1819**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

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

3.22 Site and Building #1 - ROMP09 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1200e-003	0.0886	0.0280	3.8000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	4.9000e-004	4.2200e-003	0.0000	37.3154	37.3154	8.0000e-004	5.4500e-003	38.9603
Worker	0.0116	7.1300e-003	0.1028	3.3000e-004	0.0442	1.9000e-004	0.0444	0.0118	1.7000e-004	0.0119	0.0000	30.5447	30.5447	7.3000e-004	7.8000e-004	30.7942
Total	**0.0138**	**0.0958**	**0.1308**	**7.1000e-004**	**0.0571**	**7.1000e-004**	**0.0578**	**0.0155**	**6.6000e-004**	**0.0162**	**0.0000**	**67.8600**	**67.8600**	**1.5300e-003**	**6.2300e-003**	**69.7545**

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

3.22 Site and Building #1 - ROMP09 - 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	0.0219	0.4077	0.7057	1.1800e-003		0.0277	0.0277		0.0277	0.0277	0.0000	103.1212	103.1212	0.0219	0.0000	103.6676
Total	**0.0219**	**0.4077**	**0.7057**	**1.1800e-003**		**0.0277**	**0.0277**		**0.0277**	**0.0277**	**0.0000**	**103.1212**	**103.1212**	**0.0219**	**0.0000**	**103.6676**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1200e-003	0.0886	0.0280	3.8000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	4.9000e-004	4.2200e-003	0.0000	37.3154	37.3154	8.0000e-004	5.4500e-003	38.9603
Worker	0.0116	7.1300e-003	0.1028	3.3000e-004	0.0442	1.9000e-004	0.0444	0.0118	1.7000e-004	0.0119	0.0000	30.5447	30.5447	7.3000e-004	7.8000e-004	30.7942
Total	**0.0138**	**0.0958**	**0.1308**	**7.1000e-004**	**0.0571**	**7.1000e-004**	**0.0578**	**0.0155**	**6.6000e-004**	**0.0162**	**0.0000**	**67.8600**	**67.8600**	**1.5300e-003**	**6.2300e-003**	**69.7545**

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

3.23 Site and Building #1 - ROMP08 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

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

3.23 Site and Building #1 - ROMP08 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1819**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

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

3.24 Site and Building #1 - ROMP10 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1200e-003	0.0886	0.0280	3.8000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	4.9000e-004	4.2200e-003	0.0000	37.3154	37.3154	8.0000e-004	5.4500e-003	38.9603
Worker	0.0116	7.1300e-003	0.1028	3.3000e-004	0.0442	1.9000e-004	0.0444	0.0118	1.7000e-004	0.0119	0.0000	30.5447	30.5447	7.3000e-004	7.8000e-004	30.7942
Total	**0.0138**	**0.0958**	**0.1308**	**7.1000e-004**	**0.0571**	**7.1000e-004**	**0.0578**	**0.0155**	**6.6000e-004**	**0.0162**	**0.0000**	**67.8600**	**67.8600**	**1.5300e-003**	**6.2300e-003**	**69.7545**

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

3.24 Site and Building #1 - ROMP10 - 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	0.0219	0.4077	0.7057	1.1800e-003		0.0277	0.0277		0.0277	0.0277	0.0000	103.1212	103.1212	0.0219	0.0000	103.6676
Total	**0.0219**	**0.4077**	**0.7057**	**1.1800e-003**		**0.0277**	**0.0277**		**0.0277**	**0.0277**	**0.0000**	**103.1212**	**103.1212**	**0.0219**	**0.0000**	**103.6676**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1200e-003	0.0886	0.0280	3.8000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	4.9000e-004	4.2200e-003	0.0000	37.3154	37.3154	8.0000e-004	5.4500e-003	38.9603
Worker	0.0116	7.1300e-003	0.1028	3.3000e-004	0.0442	1.9000e-004	0.0444	0.0118	1.7000e-004	0.0119	0.0000	30.5447	30.5447	7.3000e-004	7.8000e-004	30.7942
Total	**0.0138**	**0.0958**	**0.1308**	**7.1000e-004**	**0.0571**	**7.1000e-004**	**0.0578**	**0.0155**	**6.6000e-004**	**0.0162**	**0.0000**	**67.8600**	**67.8600**	**1.5300e-003**	**6.2300e-003**	**69.7545**

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

3.25 Site and Building #1 - ROMP09 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

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

3.25 Site and Building #1 - ROMP09 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1819**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

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

3.26 Site and Building #1 - ROMP11 - 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	0.0650	0.5529	0.6119	1.1400e-003		0.0234	0.0234		0.0222	0.0222	0.0000	95.5911	95.5911	0.0183	0.0000	96.0474
Total	**0.0650**	**0.5529**	**0.6119**	**1.1400e-003**		**0.0234**	**0.0234**		**0.0222**	**0.0222**	**0.0000**	**95.5911**	**95.5911**	**0.0183**	**0.0000**	**96.0474**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6100e-003	0.0674	0.0213	2.9000e-004	9.8100e-003	3.9000e-004	0.0102	2.8400e-003	3.8000e-004	3.2100e-003	0.0000	28.3807	28.3807	6.1000e-004	4.1500e-003	29.6318
Worker	8.8500e-003	5.4200e-003	0.0782	2.5000e-004	0.0336	1.4000e-004	0.0338	8.9400e-003	1.3000e-004	9.0700e-003	0.0000	23.2312	23.2312	5.6000e-004	5.9000e-004	23.4210
Total	**0.0105**	**0.0728**	**0.0995**	**5.4000e-004**	**0.0434**	**5.3000e-004**	**0.0440**	**0.0118**	**5.1000e-004**	**0.0123**	**0.0000**	**51.6119**	**51.6119**	**1.1700e-003**	**4.7400e-003**	**53.0527**

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

3.26 Site and Building #1 - ROMP11 - 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	0.0167	0.3101	0.5367	9.0000e-004		0.0211	0.0211		0.0211	0.0211	0.0000	78.4302	78.4302	0.0166	0.0000	78.8457
Total	**0.0167**	**0.3101**	**0.5367**	**9.0000e-004**		**0.0211**	**0.0211**		**0.0211**	**0.0211**	**0.0000**	**78.4302**	**78.4302**	**0.0166**	**0.0000**	**78.8457**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6100e-003	0.0674	0.0213	2.9000e-004	9.8100e-003	3.9000e-004	0.0102	2.8400e-003	3.8000e-004	3.2100e-003	0.0000	28.3807	28.3807	6.1000e-004	4.1500e-003	29.6318
Worker	8.8500e-003	5.4200e-003	0.0782	2.5000e-004	0.0336	1.4000e-004	0.0338	8.9400e-003	1.3000e-004	9.0700e-003	0.0000	23.2312	23.2312	5.6000e-004	5.9000e-004	23.4210
Total	**0.0105**	**0.0728**	**0.0995**	**5.4000e-004**	**0.0434**	**5.3000e-004**	**0.0440**	**0.0118**	**5.1000e-004**	**0.0123**	**0.0000**	**51.6119**	**51.6119**	**1.1700e-003**	**4.7400e-003**	**53.0527**

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

3.26 Site and Building #1 - ROMP11 - 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	0.0205	0.1741	0.1927	3.6000e-004		7.3600e-003	7.3600e-003		7.0000e-003	7.0000e-003	0.0000	30.0935	30.0935	5.7500e-003	0.0000	30.2372
Total	**0.0205**	**0.1741**	**0.1927**	**3.6000e-004**		**7.3600e-003**	**7.3600e-003**		**7.0000e-003**	**7.0000e-003**	**0.0000**	**30.0935**	**30.0935**	**5.7500e-003**	**0.0000**	**30.2372**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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-004	0.0211	6.6200e-003	9.0000e-005	3.0900e-003	1.2000e-004	3.2100e-003	8.9000e-004	1.2000e-004	1.0100e-003	0.0000	8.7591	8.7591	1.9000e-004	1.2800e-003	9.1445
Worker	2.6400e-003	1.5700e-003	0.0234	8.0000e-005	0.0106	4.0000e-005	0.0106	2.8100e-003	4.0000e-005	2.8500e-003	0.0000	7.1066	7.1066	1.6000e-004	1.8000e-004	7.1634
Total	**3.1400e-003**	**0.0226**	**0.0300**	**1.7000e-004**	**0.0137**	**1.6000e-004**	**0.0138**	**3.7000e-003**	**1.6000e-004**	**3.8600e-003**	**0.0000**	**15.8657**	**15.8657**	**3.5000e-004**	**1.4600e-003**	**16.3079**

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

3.26 Site and Building #1 - ROMP11 - 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	5.2500e-003	0.0976	0.1690	2.8000e-004		6.6400e-003	6.6400e-003		6.6400e-003	6.6400e-003	0.0000	24.6910	24.6910	5.2300e-003	0.0000	24.8218
Total	**5.2500e-003**	**0.0976**	**0.1690**	**2.8000e-004**		**6.6400e-003**	**6.6400e-003**		**6.6400e-003**	**6.6400e-003**	**0.0000**	**24.6910**	**24.6910**	**5.2300e-003**	**0.0000**	**24.8218**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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-004	0.0211	6.6200e-003	9.0000e-005	3.0900e-003	1.2000e-004	3.2100e-003	8.9000e-004	1.2000e-004	1.0100e-003	0.0000	8.7591	8.7591	1.9000e-004	1.2800e-003	9.1445
Worker	2.6400e-003	1.5700e-003	0.0234	8.0000e-005	0.0106	4.0000e-005	0.0106	2.8100e-003	4.0000e-005	2.8500e-003	0.0000	7.1066	7.1066	1.6000e-004	1.8000e-004	7.1634
Total	**3.1400e-003**	**0.0226**	**0.0300**	**1.7000e-004**	**0.0137**	**1.6000e-004**	**0.0138**	**3.7000e-003**	**1.6000e-004**	**3.8600e-003**	**0.0000**	**15.8657**	**15.8657**	**3.5000e-004**	**1.4600e-003**	**16.3079**

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

3.27 Site and Building #1 - ROMP10 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

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

3.27 Site and Building #1 - ROMP10 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1819**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

GBGF - Phase 1 Option 2 - Santa Clara County, Annual

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

3.28 Site and Building #1 - ROMP12 - 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	4.8100e-003	0.0410	0.0453	8.0000e-005		1.7300e-003	1.7300e-003		1.6500e-003	1.6500e-003	0.0000	7.0808	7.0808	1.3500e-003	0.0000	7.1146
Total	**4.8100e-003**	**0.0410**	**0.0453**	**8.0000e-005**		**1.7300e-003**	**1.7300e-003**		**1.6500e-003**	**1.6500e-003**	**0.0000**	**7.0808**	**7.0808**	**1.3500e-003**	**0.0000**	**7.1146**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2000e-004	4.9900e-003	1.5800e-003	2.0000e-005	7.3000e-004	3.0000e-005	7.6000e-004	2.1000e-004	3.0000e-005	2.4000e-004	0.0000	2.1023	2.1023	5.0000e-005	3.1000e-004	2.1949
Worker	6.6000e-004	4.0000e-004	5.7900e-003	2.0000e-005	2.4900e-003	1.0000e-005	2.5000e-003	6.6000e-004	1.0000e-005	6.7000e-004	0.0000	1.7208	1.7208	4.0000e-005	4.0000e-005	1.7349
Total	**7.8000e-004**	**5.3900e-003**	**7.3700e-003**	**4.0000e-005**	**3.2200e-003**	**4.0000e-005**	**3.2600e-003**	**8.7000e-004**	**4.0000e-005**	**9.1000e-004**	**0.0000**	**3.8231**	**3.8231**	**9.0000e-005**	**3.5000e-004**	**3.9298**

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

3.28 Site and Building #1 - ROMP12 - 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	1.2400e-003	0.0230	0.0398	7.0000e-005		1.5600e-003	1.5600e-003		1.5600e-003	1.5600e-003	0.0000	5.8096	5.8096	1.2300e-003	0.0000	5.8404
Total	**1.2400e-003**	**0.0230**	**0.0398**	**7.0000e-005**		**1.5600e-003**	**1.5600e-003**		**1.5600e-003**	**1.5600e-003**	**0.0000**	**5.8096**	**5.8096**	**1.2300e-003**	**0.0000**	**5.8404**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2000e-004	4.9900e-003	1.5800e-003	2.0000e-005	7.3000e-004	3.0000e-005	7.6000e-004	2.1000e-004	3.0000e-005	2.4000e-004	0.0000	2.1023	2.1023	5.0000e-005	3.1000e-004	2.1949
Worker	6.6000e-004	4.0000e-004	5.7900e-003	2.0000e-005	2.4900e-003	1.0000e-005	2.5000e-003	6.6000e-004	1.0000e-005	6.7000e-004	0.0000	1.7208	1.7208	4.0000e-005	4.0000e-005	1.7349
Total	**7.8000e-004**	**5.3900e-003**	**7.3700e-003**	**4.0000e-005**	**3.2200e-003**	**4.0000e-005**	**3.2600e-003**	**8.7000e-004**	**4.0000e-005**	**9.1000e-004**	**0.0000**	**3.8231**	**3.8231**	**9.0000e-005**	**3.5000e-004**	**3.9298**

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

3.28 Site and Building #1 - ROMP12 - 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	0.0806	0.6860	0.7593	1.4100e-003		0.0290	0.0290		0.0276	0.0276	0.0000	118.6038	118.6038	0.0227	0.0000	119.1699
Total	**0.0806**	**0.6860**	**0.7593**	**1.4100e-003**		**0.0290**	**0.0290**		**0.0276**	**0.0276**	**0.0000**	**118.6038**	**118.6038**	**0.0227**	**0.0000**	**119.1699**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9700e-003	0.0830	0.0261	3.5000e-004	0.0122	4.8000e-004	0.0127	3.5200e-003	4.6000e-004	3.9800e-003	0.0000	34.5210	34.5210	7.4000e-004	5.0400e-003	36.0401
Worker	0.0104	6.1800e-003	0.0922	3.1000e-004	0.0417	1.7000e-004	0.0419	0.0111	1.6000e-004	0.0113	0.0000	28.0084	28.0084	6.4000e-004	7.0000e-004	28.2320
Total	**0.0124**	**0.0892**	**0.1183**	**6.6000e-004**	**0.0539**	**6.5000e-004**	**0.0545**	**0.0146**	**6.2000e-004**	**0.0152**	**0.0000**	**62.5294**	**62.5294**	**1.3800e-003**	**5.7400e-003**	**64.2721**

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

3.28 Site and Building #1 - ROMP12 - 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	0.0207	0.3848	0.6659	1.1200e-003		0.0262	0.0262		0.0262	0.0262	0.0000	97.3115	97.3115	0.0206	0.0000	97.8271
Total	**0.0207**	**0.3848**	**0.6659**	**1.1200e-003**		**0.0262**	**0.0262**		**0.0262**	**0.0262**	**0.0000**	**97.3115**	**97.3115**	**0.0206**	**0.0000**	**97.8271**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9700e-003	0.0830	0.0261	3.5000e-004	0.0122	4.8000e-004	0.0127	3.5200e-003	4.6000e-004	3.9800e-003	0.0000	34.5210	34.5210	7.4000e-004	5.0400e-003	36.0401
Worker	0.0104	6.1800e-003	0.0922	3.1000e-004	0.0417	1.7000e-004	0.0419	0.0111	1.6000e-004	0.0113	0.0000	28.0084	28.0084	6.4000e-004	7.0000e-004	28.2320
Total	**0.0124**	**0.0892**	**0.1183**	**6.6000e-004**	**0.0539**	**6.5000e-004**	**0.0545**	**0.0146**	**6.2000e-004**	**0.0152**	**0.0000**	**62.5294**	**62.5294**	**1.3800e-003**	**5.7400e-003**	**64.2721**

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

3.29 Site and Building #1 - ROMP11 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.4000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1651	0.1651	0.0000	0.0000	0.1664
Total	**6.0000e-005**	**4.0000e-005**	**5.4000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1651**	**0.1651**	**0.0000**	**0.0000**	**0.1664**

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

3.29 Site and Building #1 - ROMP11 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1819**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.4000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1651	0.1651	0.0000	0.0000	0.1664
Total	**6.0000e-005**	**4.0000e-005**	**5.4000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1651**	**0.1651**	**0.0000**	**0.0000**	**0.1664**

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

3.30 Site and Building #1 - ROMP12 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.4000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1651	0.1651	0.0000	0.0000	0.1664
Total	**6.0000e-005**	**4.0000e-005**	**5.4000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1651**	**0.1651**	**0.0000**	**0.0000**	**0.1664**

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

3.30 Site and Building #1 - ROMP12 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1819**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.4000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1651	0.1651	0.0000	0.0000	0.1664
Total	**6.0000e-005**	**4.0000e-005**	**5.4000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1651**	**0.1651**	**0.0000**	**0.0000**	**0.1664**

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Transit Subsidy

Provide Riade Sharing Program

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1448	0.2041	1.7895	4.4800e-003	0.5239	2.9800e-003	0.5269	0.1398	2.7700e-003	0.1426	0.0000	413.4315	413.4315	0.0196	0.0162	418.7494
Unmitigated	0.1448	0.2041	1.7895	4.4800e-003	0.5239	2.9800e-003	0.5269	0.1398	2.7700e-003	0.1426	0.0000	413.4315	413.4315	0.0196	0.0162	418.7494

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	218.30	218.30	218.30	1,417,692	1,417,692
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	218.30	218.30	218.30	1,417,692	1,417,692

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
General Light Industry	19.13	6.60	19.13	90.50	0.00	9.50	92	5	3
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	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
Parking Lot	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

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 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					
General Light Industry	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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**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

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					
General Light Industry	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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	4.3362e +008	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	4744.25	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			
General Light Industry	4.3362e +008	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	4744.25	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

Use Low VOC Cleaning Supplies

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	0.9252	3.0000e-005	3.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.6900e-003	6.6900e-003	2.0000e-005	0.0000	7.1200e-003
Unmitigated	0.9896	3.0000e-005	3.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.6900e-003	6.6900e-003	2.0000e-005	0.0000	7.1200e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1182					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8711					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.2000e-004	3.0000e-005	3.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.6900e-003	6.6900e-003	2.0000e-005	0.0000	7.1200e-003
Total	**0.9896**	**3.0000e-005**	**3.4300e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**6.6900e-003**	**6.6900e-003**	**2.0000e-005**	**0.0000**	**7.1200e-003**

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	0.1182					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8067					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.2000e-004	3.0000e-005	3.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.6900e-003	6.6900e-003	2.0000e-005	0.0000	7.1200e-003
Total	**0.9252**	**3.0000e-005**	**3.4300e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**6.6900e-003**	**6.6900e-003**	**2.0000e-005**	**0.0000**	**7.1200e-003**

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 Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	16.1770	1.6615	0.0392	69.4065
Unmitigated	16.1770	1.6615	0.0392	69.4065

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	50.9906 / 0	16.1770	1.6615	0.0392	69.4065
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**16.1770**	**1.6615**	**0.0392**	**69.4065**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	50.9906 / 0	16.1770	1.6615	0.0392	69.4065
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**16.1770**	**1.6615**	**0.0392**	**69.4065**

8.0 Waste Detail

8.1 Mitigation Measures Waste

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	55.5018	3.2801	0.0000	137.5033
Unmitigated	55.5018	3.2801	0.0000	137.5033

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	273.42	55.5018	3.2801	0.0000	137.5033
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**55.5018**	**3.2801**	**0.0000**	**137.5033**

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			
General Light Industry	273.42	55.5018	3.2801	0.0000	137.5033
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**55.5018**	**3.2801**	**0.0000**	**137.5033**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

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

11.0 Vegetation

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

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	220.50	1000sqft	52.47	220,500.00	0
Other Asphalt Surfaces	140.31	1000sqft	3.22	140,312.00	0
Parking Lot	13.55	1000sqft	0.31	13,555.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**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 - 100% carbon-free electricity will be purchased.

Land Use - Per construction data provided by client.

Construction Phase - Per construction data provided by client.

Off-road Equipment - Per construction data provided by client, including Concrete Vibrator.

Off-road Equipment - Per construction data provided by the client.

Off-road Equipment - Per construction data provided by client.

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

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

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment - Per construction data provided by the client, including Concrete Vibrator.

Trips and VMT - Based on import and export volumes and phasing.

Grading -

Vehicle Trips - Trip rate and trip length per Gilroy Data Center Project VMT Analysis (Hexagon, 2023).

Energy Use - 49.5MWhr per day. No proposed NG usage.

Construction Off-road Equipment Mitigation - Updated to Tier 3/Tier 4 as a mitigation measure. Additional fugitive dust mitigation measures per BAAQMD CEQA Guidelines.

Mobile Commute Mitigation -

Area Mitigation -

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

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	26.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	54.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	26.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	26.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	13.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	40.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

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

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
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tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	1,110.00	71.00

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

tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	1,110.00	105.00
tblConstructionPhase	NumDays	1,110.00	60.00
tblConstructionPhase	NumDays	1,110.00	86.00
tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	110.00	30.00
tblConstructionPhase	NumDays	75.00	91.00
tblConstructionPhase	NumDays	40.00	11.00
tblEnergyUse	LightingElect	3.08	747.77
tblEnergyUse	NT24E	3.70	898.29
tblEnergyUse	NT24NG	6.67	0.00
tblEnergyUse	T24E	1.32	320.47
tblEnergyUse	T24NG	19.51	0.00
tblGrading	AcresOfGrading	180.00	135.00
tblGrading	MaterialExported	0.00	53,000.00
tblGrading	MaterialImported	0.00	105,000.00
tblLandUse	LandUseSquareFeet	140,310.00	140,312.00
tblLandUse	LandUseSquareFeet	13,550.00	13,555.00
tblLandUse	LotAcreage	5.06	52.47
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
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 Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

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

tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0
tblProjectCharacteristics	CO2IntensityFactor	203.98	0
tblProjectCharacteristics	N2OIntensityFactor	0.004	0
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripNumber	0.00	356.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TL	6.60	19.13
tblVehicleTrips	CNW_TTP	13.00	9.50
tblVehicleTrips	CW_TL	14.70	19.13
tblVehicleTrips	CW_TTP	59.00	90.50
tblVehicleTrips	ST_TR	1.99	0.99
tblVehicleTrips	SU_TR	5.00	0.99
tblVehicleTrips	WD_TR	4.96	0.99

2.0 Emissions Summary

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

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.7869	7.8333	8.1150	0.0211	0.6738	0.3031	0.9768	0.2420	0.2844	0.5264	0.0000	1,897.7071	1,897.7071	0.3518	0.0820	1,930.9372
2025	6.5389	5.3160	5.9119	0.0139	0.3058	0.2064	0.5121	0.0829	0.1950	0.2779	0.0000	1,215.6076	1,215.6076	0.1952	0.0339	1,230.5838
2026	6.4274	4.2932	4.8864	0.0116	0.2988	0.1640	0.4628	0.0810	0.1560	0.2371	0.0000	1,010.7389	1,010.7389	0.1331	0.0325	1,023.7468
2027	2.4808	0.9742	1.1049	2.6100e-003	0.0681	0.0373	0.1053	0.0185	0.0355	0.0539	0.0000	227.9331	227.9331	0.0302	7.2000e-003	230.8312
Maximum	**6.5389**	**7.8333**	**8.1150**	**0.0211**	**0.6738**	**0.3031**	**0.9768**	**0.2420**	**0.2844**	**0.5264**	**0.0000**	**1,897.7071**	**1,897.7071**	**0.3518**	**0.0820**	**1,930.9372**

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

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.3549	5.3799	8.7840	0.0206	0.4676	0.2480	0.7156	0.1537	0.2462	0.3999	0.0000	1,858.5871	1,858.5871	0.3478	0.0820	1,891.7178
2025	6.1410	3.0112	5.6225	0.0123	0.3058	0.1675	0.4733	0.0829	0.1671	0.2500	0.0000	1,097.7343	1,097.7343	0.1840	0.0339	1,112.4304
2026	6.0960	2.6308	4.3711	9.9300e-003	0.2988	0.1486	0.4474	0.0810	0.1484	0.2294	0.0000	893.1549	893.1549	0.1220	0.0325	905.8835
2027	2.4055	0.5970	0.9879	2.2400e-003	0.0681	0.0338	0.1018	0.0185	0.0338	0.0522	0.0000	201.2384	201.2384	0.0276	7.2000e-003	204.0731
Maximum	**6.1410**	**5.3799**	**8.7840**	**0.0206**	**0.4676**	**0.2480**	**0.7156**	**0.1537**	**0.2462**	**0.3999**	**0.0000**	**1,858.5871**	**1,858.5871**	**0.3478**	**0.0820**	**1,891.7178**

	ROG	NOx	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	**7.62**	**36.91**	**1.26**	**8.44**	**15.31**	**15.88**	**15.51**	**20.81**	**11.24**	**14.95**	**0.00**	**6.92**	**6.92**	**4.07**	**0.00**	**6.84**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**4-8-2024**	**7-7-2024**	3.1192	2.0081
2	**7-8-2024**	**10-7-2024**	2.0071	1.7836
3	**10-8-2024**	**1-7-2025**	6.5092	4.9000
4	**1-8-2025**	**4-7-2025**	53.7279	52.6181
5	**4-8-2025**	**7-7-2025**	61.7382	61.2004
6	**7-8-2025**	**10-7-2025**	56.9696	56.4816
7	**10-8-2025**	**1-7-2026**	28.1758	27.7122
8	**1-8-2026**	**4-7-2026**	59.1527	58.6379

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

9	**4-8-2026**	**7-7-2026**	59.1255	58.6184
10	**7-8-2026**	**10-7-2026**	53.0987	52.6373
11	**10-8-2026**	**1-7-2027**	24.8945	24.3883
12	**1-8-2027**	**4-7-2027**	47.4706	47.0665
		Highest	61.7382	61.2004

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	0.9896	3.0000e-005	3.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.6900e-003	6.6900e-003	2.0000e-005	0.0000	7.1200e-003
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	0.1448	0.2041	1.7895	4.4800e-003	0.5239	2.9800e-003	0.5269	0.1398	2.7700e-003	0.1426	0.0000	413.4315	413.4315	0.0196	0.0162	418.7494
Waste						0.0000	0.0000		0.0000	0.0000	55.5018	0.0000	55.5018	3.2801	0.0000	137.5033
Water						0.0000	0.0000		0.0000	0.0000	16.1770	0.0000	16.1770	1.6615	0.0392	69.4065
Total	**1.1345**	**0.2042**	**1.7929**	**4.4800e-003**	**0.5239**	**2.9900e-003**	**0.5269**	**0.1398**	**2.7800e-003**	**0.1426**	**71.6788**	**413.4382**	**485.1170**	**4.9612**	**0.0554**	**625.6663**

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.9252	3.0000e-005	3.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.6900e-003	6.6900e-003	2.0000e-005	0.0000	7.1200e-003
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	0.1448	0.2041	1.7895	4.4800e-003	0.5239	2.9800e-003	0.5269	0.1398	2.7700e-003	0.1426	0.0000	413.4315	413.4315	0.0196	0.0162	418.7494
Waste						0.0000	0.0000		0.0000	0.0000	55.5018	0.0000	55.5018	3.2801	0.0000	137.5033
Water						0.0000	0.0000		0.0000	0.0000	16.1770	0.0000	16.1770	1.6615	0.0392	69.4065
Total	**1.0701**	**0.2042**	**1.7929**	**4.4800e-003**	**0.5239**	**2.9900e-003**	**0.5269**	**0.1398**	**2.7800e-003**	**0.1426**	**71.6788**	**413.4382**	**485.1170**	**4.9612**	**0.0554**	**625.6663**

	ROG	NOx	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	**5.67**	**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	Site and Building #1 - Site Preparation	Site Preparation	4/8/2024	4/22/2024	5	11	
2	Site and Building #1 - Grading	Grading	4/8/2024	5/17/2024	5	30	
3	Site and Building #1 - Foundation	Building Construction	5/15/2024	10/8/2024	5	105	

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

4	Site and Building #1 - Structural/Building Exterior/Roof	Building Construction	9/18/2024	12/10/2024	5	60	
5	Site and Building #1 - ROMP01	Building Construction	10/28/2024	2/24/2025	5	86	
6	Site and Building #1 - Paving	Paving	10/30/2024	3/3/2025	5	91	
7	Site and Building #1 - ROMP02	Building Construction	1/27/2025	5/5/2025	5	71	
8	Site and Building #1 - ROMP01 ArcCoa	Architectural Coating	2/25/2025	2/26/2025	5	2	
9	Site and Building #1 - ROMP03	Building Construction	4/7/2025	7/14/2025	5	71	
10	Site and Building #1 - ROMP02 ArcCoa	Architectural Coating	5/6/2025	5/7/2025	5	2	
11	Site and Building #1 - ROMP04	Building Construction	6/16/2025	9/22/2025	5	71	
12	Site and Building #1 - ROMP03 ArcCoa	Architectural Coating	7/15/2025	7/16/2025	5	2	
13	Site and Building #1 - ROMP05	Building Construction	8/25/2025	12/1/2025	5	71	
14	Site and Building #1 - ROMP04 ArcCoa	Architectural Coating	9/23/2025	9/24/2025	5	2	
15	Site and Building #1 - ROMP06	Building Construction	11/3/2025	2/9/2026	5	71	
16	Site and Building #1 - ROMP05 ArcCoa	Architectural Coating	12/2/2025	12/3/2025	5	2	
17	Site and Building #1 - ROMP07	Building Construction	1/12/2026	4/20/2026	5	71	
18	Site and Building #1 - ROMP06 ArcCoa	Architectural Coating	2/10/2026	2/11/2026	5	2	
19	Site and Building #1 - ROMP08	Building Construction	3/23/2026	6/29/2026	5	71	
20	Site and Building #1 - ROMP07 ArcCoa	Architectural Coating	4/21/2026	4/22/2026	5	2	
21	Site and Building #1 - ROMP09	Building Construction	6/1/2026	9/7/2026	5	71	
22	Site and Building #1 - ROMP08 ArcCoa	Architectural Coating	6/30/2026	7/1/2026	5	2	
23	Site and Building #1 - ROMP10	Building Construction	8/10/2026	11/16/2026	5	71	
24	Site and Building #1 - ROMP09 ArcCoa	Architectural Coating	9/8/2026	9/9/2026	5	2	
25	Site and Building #1 - ROMP11	Building Construction	10/19/2026	1/25/2027	5	71	
26	Site and Building #1 - ROMP10 ArcCoa	Architectural Coating	11/17/2026	11/18/2026	5	2	
27	Site and Building #1 - ROMP12	Building Construction	12/28/2026	4/5/2027	5	71	
28	Site and Building #1 - ROMP11 ArcCoa	Architectural Coating	1/26/2027	1/27/2027	5	2	
29	Site and Building #1 - ROMP12 ArcCoa	Architectural Coating	4/6/2027	4/7/2027	5	2	

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Acres of Grading (Site Preparation Phase): 44

Acres of Grading (Grading Phase): 135

Acres of Paving: 3.53

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 330,750; Non-Residential Outdoor: 110,250; Striped Parking Area: 9,232 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site and Building #1 - Site Preparation	Concrete/Industrial Saws	0	8.00	81	0.73
Site and Building #1 - Site Preparation	Excavators	4	8.00	158	0.38
Site and Building #1 - Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site and Building #1 - Site Preparation	Scrapers	4	8.00	367	0.48
Site and Building #1 - Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site and Building #1 - Grading	Excavators	3	8.00	158	0.38
Site and Building #1 - Grading	Graders	3	8.00	187	0.41
Site and Building #1 - Grading	Rollers	3	8.00	80	0.38
Site and Building #1 - Grading	Rubber Tired Dozers	3	8.00	247	0.40
Site and Building #1 - Grading	Scrapers	3	8.00	367	0.48
Site and Building #1 - Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site and Building #1 - Foundation	Bore/Drill Rigs	4	8.00	221	0.50
Site and Building #1 - Foundation	Cement and Mortar Mixers	4	8.00	9	0.56
Site and Building #1 - Foundation	Cranes	0	8.00	231	0.29
Site and Building #1 - Foundation	Excavators	3	8.00	158	0.38
Site and Building #1 - Foundation	Forklifts	0	8.00	89	0.20
Site and Building #1 - Foundation	Generator Sets	0	8.00	84	0.74
Site and Building #1 - Foundation	Other Construction Equipment	4	8.00	172	0.42
Site and Building #1 - Foundation	Pumps	4	8.00	84	0.74
Site and Building #1 - Foundation	Tractors/Loaders/Backhoes	3	8.00	97	0.37

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

Site and Building #1 - Foundation	Welders	0	8.00	46	0.45
Site and Building #1 - Structural/Building Exterior/Roof	Cement and Mortar Mixers	4	8.00	9	0.56
Site and Building #1 - Structural/Building Exterior/Roof	Cranes	2	8.00	231	0.29
Site and Building #1 - Structural/Building Exterior/Roof	Forklifts	6	8.00	89	0.20
Site and Building #1 - Structural/Building Exterior/Roof	Generator Sets	2	8.00	84	0.74
Site and Building #1 - Structural/Building Exterior/Roof	Other Construction Equipment	4	8.00	172	0.42
Site and Building #1 - Structural/Building Exterior/Roof	Pumps	4	8.00	84	0.74
Site and Building #1 - Structural/Building Exterior/Roof	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site and Building #1 - Structural/Building Exterior/Roof	Welders	4	8.00	46	0.45
Site and Building #1 - ROMP01	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP01	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP01	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP01	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP01	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP01	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP01	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP01	Welders	3	8.00	46	0.45
Site and Building #1 - Paving	Excavators	2	8.00	158	0.38
Site and Building #1 - Paving	Graders	2	8.00	187	0.41
Site and Building #1 - Paving	Pavers	2	8.00	130	0.42
Site and Building #1 - Paving	Paving Equipment	2	8.00	132	0.36
Site and Building #1 - Paving	Plate Compactors	2	8.00	8	0.43
Site and Building #1 - Paving	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - Paving	Rollers	2	8.00	80	0.38
Site and Building #1 - Paving	Rubber Tired Dozers	2	8.00	247	0.40
Site and Building #1 - Paving	Scrapers	2	8.00	367	0.48
Site and Building #1 - Paving	Tractors/Loaders/Backhoes	2	8.00	97	0.37

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

Site and Building #1 - ROMP02		0		0	
Site and Building #1 - ROMP02	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP02	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP02	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP02	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP02	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP02	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP02	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Site and Building #1 - ROMP02	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP01 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP03	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP03	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP03	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP03	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP03	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP03	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP03	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP03	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP02 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP04	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP04	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP04	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP04	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP04	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP04	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP04	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP04	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP03 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP05	Air Compressors	0	8.00	78	0.48

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

Site and Building #1 - ROMP05	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP05	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP05	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP05	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP05	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP05	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP05	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP04 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP06	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP06	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP06	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP06	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP06	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP06	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP06	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP06	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP05 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP07	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP07	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP07	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP07	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP07	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP07	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP07	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP07	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP06 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP08	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP08	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP08	Forklifts	4	8.00	89	0.20

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

Site and Building #1 - ROMP08	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP08	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP08	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP08	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP08	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP07 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP09	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP09	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP09	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP09	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP09	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP09	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP09	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP09	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP08 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP10	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP10	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP10	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP10	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP10	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP10	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP10	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP10	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP09 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP11	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP11	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP11	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP11	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP11	Pressure Washers	2	8.00	13	0.30

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

Site and Building #1 - ROMP11	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP11	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP11	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP10 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP12	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP12	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP12	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP12	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP12	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP12	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP12	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP12	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP11 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP12 ArcCoa	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site and Building #1 - Site Preparation	12	30.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - Grading	18	45.00	0.00	13,125.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - Foundation	22	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - Structural/Building Ext	27	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP01	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - Paving	20	50.00	0.00	356.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP02	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP01 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP03	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP02 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

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

Site and Building #1 - ROMP04	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP03 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP05	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP04 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP06	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP05 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP07	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP06 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP08	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP07 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP09	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP08 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP10	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP09 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP11	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP10 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP12	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP11 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP12 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	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

Reduce Vehicle Speed on Unpaved Roads

GBGF - Phase 1 Option 3 - Santa Clara County, Annual

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

3.2 Site and Building #1 - Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0233	0.0000	0.0233	2.5200e-003	0.0000	2.5200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0239	0.2320	0.2523	5.2000e-004		9.6700e-003	9.6700e-003		8.9000e-003	8.9000e-003	0.0000	45.3274	45.3274	0.0147	0.0000	45.6939
Total	**0.0239**	**0.2320**	**0.2523**	**5.2000e-004**	**0.0233**	**9.6700e-003**	**0.0330**	**2.5200e-003**	**8.9000e-003**	**0.0114**	**0.0000**	**45.3274**	**45.3274**	**0.0147**	**0.0000**	**45.6939**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	2.6000e-004	3.4400e-003	1.0000e-005	1.3100e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.9644	0.9644	3.0000e-005	3.0000e-005	0.9728
Total	**3.9000e-004**	**2.6000e-004**	**3.4400e-003**	**1.0000e-005**	**1.3100e-003**	**1.0000e-005**	**1.3100e-003**	**3.5000e-004**	**1.0000e-005**	**3.5000e-004**	**0.0000**	**0.9644**	**0.9644**	**3.0000e-005**	**3.0000e-005**	**0.9728**

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

3.2 Site and Building #1 - Site Preparation - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0105	0.0000	0.0105	1.1300e-003	0.0000	1.1300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.1700e-003	0.0620	0.2881	5.2000e-004		3.4100e-003	3.4100e-003		3.4100e-003	3.4100e-003	0.0000	45.3273	45.3273	0.0147	0.0000	45.6938
Total	**7.1700e-003**	**0.0620**	**0.2881**	**5.2000e-004**	**0.0105**	**3.4100e-003**	**0.0139**	**1.1300e-003**	**3.4100e-003**	**4.5400e-003**	**0.0000**	**45.3273**	**45.3273**	**0.0147**	**0.0000**	**45.6938**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	2.6000e-004	3.4400e-003	1.0000e-005	1.3100e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.9644	0.9644	3.0000e-005	3.0000e-005	0.9728
Total	**3.9000e-004**	**2.6000e-004**	**3.4400e-003**	**1.0000e-005**	**1.3100e-003**	**1.0000e-005**	**1.3100e-003**	**3.5000e-004**	**1.0000e-005**	**3.5000e-004**	**0.0000**	**0.9644**	**0.9644**	**3.0000e-005**	**3.0000e-005**	**0.9728**

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

3.3 Site and Building #1 - Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3515	0.0000	0.3515	0.1580	0.0000	0.1580	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1026	1.0510	0.8147	1.8600e-003		0.0439	0.0439		0.0404	0.0404	0.0000	162.9979	162.9979	0.0527	0.0000	164.3158
Total	**0.1026**	**1.0510**	**0.8147**	**1.8600e-003**	**0.3515**	**0.0439**	**0.3955**	**0.1580**	**0.0404**	**0.1985**	**0.0000**	**162.9979**	**162.9979**	**0.0527**	**0.0000**	**164.3158**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0137	0.8928	0.2084	3.9000e-003	0.1114	7.2900e-003	0.1187	0.0306	6.9700e-003	0.0376	0.0000	386.7706	386.7706	0.0133	0.0613	405.3773
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5800e-003	1.0500e-003	0.0141	4.0000e-005	5.3500e-003	3.0000e-005	5.3800e-003	1.4200e-003	2.0000e-005	1.4500e-003	0.0000	3.9453	3.9453	1.1000e-004	1.1000e-004	3.9796
Total	**0.0153**	**0.8938**	**0.2225**	**3.9400e-003**	**0.1167**	**7.3200e-003**	**0.1240**	**0.0321**	**6.9900e-003**	**0.0391**	**0.0000**	**390.7159**	**390.7159**	**0.0134**	**0.0614**	**409.3568**

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

3.3 Site and Building #1 - Grading - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1582	0.0000	0.1582	0.0711	0.0000	0.0711	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0259	0.2291	0.9849	1.8600e-003		0.0127	0.0127		0.0127	0.0127	0.0000	162.9977	162.9977	0.0527	0.0000	164.3156
Total	**0.0259**	**0.2291**	**0.9849**	**1.8600e-003**	**0.1582**	**0.0127**	**0.1709**	**0.0711**	**0.0127**	**0.0838**	**0.0000**	**162.9977**	**162.9977**	**0.0527**	**0.0000**	**164.3156**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0137	0.8928	0.2084	3.9000e-003	0.1114	7.2900e-003	0.1187	0.0306	6.9700e-003	0.0376	0.0000	386.7706	386.7706	0.0133	0.0613	405.3773
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5800e-003	1.0500e-003	0.0141	4.0000e-005	5.3500e-003	3.0000e-005	5.3800e-003	1.4200e-003	2.0000e-005	1.4500e-003	0.0000	3.9453	3.9453	1.1000e-004	1.1000e-004	3.9796
Total	**0.0153**	**0.8938**	**0.2225**	**3.9400e-003**	**0.1167**	**7.3200e-003**	**0.1240**	**0.0321**	**6.9900e-003**	**0.0391**	**0.0000**	**390.7159**	**390.7159**	**0.0134**	**0.0614**	**409.3568**

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

3.4 Site and Building #1 - Foundation - 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	0.2415	2.1414	2.9830	6.1200e-003		0.0969	0.0969		0.0914	0.0914	0.0000	531.6496	531.6496	0.1367	0.0000	535.0663
Total	**0.2415**	**2.1414**	**2.9830**	**6.1200e-003**		**0.0969**	**0.0969**		**0.0914**	**0.0914**	**0.0000**	**531.6496**	**531.6496**	**0.1367**	**0.0000**	**535.0663**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.2700e-003	0.1325	0.0425	5.9000e-004	0.0191	7.7000e-004	0.0198	5.5100e-003	7.3000e-004	6.2500e-003	0.0000	57.1465	57.1465	1.2100e-003	8.3900e-003	59.6757
Worker	0.0193	0.0128	0.1717	5.3000e-004	0.0654	3.1000e-004	0.0657	0.0174	2.8000e-004	0.0177	0.0000	48.1769	48.1769	1.3000e-003	1.2900e-003	48.5948
Total	**0.0226**	**0.1453**	**0.2142**	**1.1200e-003**	**0.0844**	**1.0800e-003**	**0.0855**	**0.0229**	**1.0100e-003**	**0.0239**	**0.0000**	**105.3234**	**105.3234**	**2.5100e-003**	**9.6800e-003**	**108.2704**

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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 Site and Building #1 - Foundation - 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	0.1383	2.0446	3.3206	6.1200e-003		0.1108	0.1108		0.1098	0.1098	0.0000	531.6490	531.6490	0.1367	0.0000	535.0657
Total	**0.1383**	**2.0446**	**3.3206**	**6.1200e-003**		**0.1108**	**0.1108**		**0.1098**	**0.1098**	**0.0000**	**531.6490**	**531.6490**	**0.1367**	**0.0000**	**535.0657**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.2700e-003	0.1325	0.0425	5.9000e-004	0.0191	7.7000e-004	0.0198	5.5100e-003	7.3000e-004	6.2500e-003	0.0000	57.1465	57.1465	1.2100e-003	8.3900e-003	59.6757
Worker	0.0193	0.0128	0.1717	5.3000e-004	0.0654	3.1000e-004	0.0657	0.0174	2.8000e-004	0.0177	0.0000	48.1769	48.1769	1.3000e-003	1.2900e-003	48.5948
Total	**0.0226**	**0.1453**	**0.2142**	**1.1200e-003**	**0.0844**	**1.0800e-003**	**0.0855**	**0.0229**	**1.0100e-003**	**0.0239**	**0.0000**	**105.3234**	**105.3234**	**2.5100e-003**	**9.6800e-003**	**108.2704**

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

3.5 Site and Building #1 - Structural/Building Exterior/Roof - 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	0.1702	1.4700	1.7630	3.0300e-003		0.0679	0.0679		0.0648	0.0648	0.0000	257.7510	257.7510	0.0486	0.0000	258.9662
Total	**0.1702**	**1.4700**	**1.7630**	**3.0300e-003**		**0.0679**	**0.0679**		**0.0648**	**0.0648**	**0.0000**	**257.7510**	**257.7510**	**0.0486**	**0.0000**	**258.9662**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8700e-003	0.0757	0.0243	3.4000e-004	0.0109	4.4000e-004	0.0113	3.1500e-003	4.2000e-004	3.5700e-003	0.0000	32.6552	32.6552	6.9000e-004	4.7900e-003	34.1004
Worker	0.0110	7.3300e-003	0.0981	3.0000e-004	0.0374	1.8000e-004	0.0375	9.9300e-003	1.6000e-004	0.0101	0.0000	27.5297	27.5297	7.4000e-004	7.4000e-004	27.7684
Total	**0.0129**	**0.0830**	**0.1224**	**6.4000e-004**	**0.0483**	**6.2000e-004**	**0.0489**	**0.0131**	**5.8000e-004**	**0.0137**	**0.0000**	**60.1848**	**60.1848**	**1.4300e-003**	**5.5300e-003**	**61.8688**

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

3.5 Site and Building #1 - Structural/Building Exterior/Roof - 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	0.0624	1.1649	1.7682	2.7300e-003		0.0718	0.0718		0.0718	0.0718	0.0000	235.1643	235.1643	0.0463	0.0000	236.3218
Total	**0.0624**	**1.1649**	**1.7682**	**2.7300e-003**		**0.0718**	**0.0718**		**0.0718**	**0.0718**	**0.0000**	**235.1643**	**235.1643**	**0.0463**	**0.0000**	**236.3218**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8700e-003	0.0757	0.0243	3.4000e-004	0.0109	4.4000e-004	0.0113	3.1500e-003	4.2000e-004	3.5700e-003	0.0000	32.6552	32.6552	6.9000e-004	4.7900e-003	34.1004
Worker	0.0110	7.3300e-003	0.0981	3.0000e-004	0.0374	1.8000e-004	0.0375	9.9300e-003	1.6000e-004	0.0101	0.0000	27.5297	27.5297	7.4000e-004	7.4000e-004	27.7684
Total	**0.0129**	**0.0830**	**0.1224**	**6.4000e-004**	**0.0483**	**6.2000e-004**	**0.0489**	**0.0131**	**5.8000e-004**	**0.0137**	**0.0000**	**60.1848**	**60.1848**	**1.4300e-003**	**5.5300e-003**	**61.8688**

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

3.6 Site and Building #1 - ROMP01 - 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	0.0605	0.5164	0.5364	9.9000e-004		0.0231	0.0231		0.0220	0.0220	0.0000	83.1988	83.1988	0.0161	0.0000	83.6008
Total	**0.0605**	**0.5164**	**0.5364**	**9.9000e-004**		**0.0231**	**0.0231**		**0.0220**	**0.0220**	**0.0000**	**83.1988**	**83.1988**	**0.0161**	**0.0000**	**83.6008**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4600e-003	0.0593	0.0190	2.6000e-004	8.5300e-003	3.4000e-004	8.8800e-003	2.4700e-003	3.3000e-004	2.8000e-003	0.0000	25.5799	25.5799	5.4000e-004	3.7500e-003	26.7120
Worker	8.6400e-003	5.7400e-003	0.0769	2.4000e-004	0.0293	1.4000e-004	0.0294	7.7800e-003	1.3000e-004	7.9100e-003	0.0000	21.5649	21.5649	5.8000e-004	5.8000e-004	21.7519
Total	**0.0101**	**0.0650**	**0.0959**	**5.0000e-004**	**0.0378**	**4.8000e-004**	**0.0383**	**0.0103**	**4.6000e-004**	**0.0107**	**0.0000**	**47.1448**	**47.1448**	**1.1200e-003**	**4.3300e-003**	**48.4639**

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

3.6 Site and Building #1 - ROMP01 - 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	0.0145	0.2699	0.4672	7.8000e-004		0.0184	0.0184		0.0184	0.0184	0.0000	68.2625	68.2625	0.0146	0.0000	68.6265
Total	**0.0145**	**0.2699**	**0.4672**	**7.8000e-004**		**0.0184**	**0.0184**		**0.0184**	**0.0184**	**0.0000**	**68.2625**	**68.2625**	**0.0146**	**0.0000**	**68.6265**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4600e-003	0.0593	0.0190	2.6000e-004	8.5300e-003	3.4000e-004	8.8800e-003	2.4700e-003	3.3000e-004	2.8000e-003	0.0000	25.5799	25.5799	5.4000e-004	3.7500e-003	26.7120
Worker	8.6400e-003	5.7400e-003	0.0769	2.4000e-004	0.0293	1.4000e-004	0.0294	7.7800e-003	1.3000e-004	7.9100e-003	0.0000	21.5649	21.5649	5.8000e-004	5.8000e-004	21.7519
Total	**0.0101**	**0.0650**	**0.0959**	**5.0000e-004**	**0.0378**	**4.8000e-004**	**0.0383**	**0.0103**	**4.6000e-004**	**0.0107**	**0.0000**	**47.1448**	**47.1448**	**1.1200e-003**	**4.3300e-003**	**48.4639**

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

3.6 Site and Building #1 - ROMP01 - 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	0.0469	0.3993	0.4420	8.2000e-004		0.0169	0.0169		0.0161	0.0161	0.0000	69.0380	69.0380	0.0132	0.0000	69.3676
Total	**0.0469**	**0.3993**	**0.4420**	**8.2000e-004**		**0.0169**	**0.0169**		**0.0161**	**0.0161**	**0.0000**	**69.0380**	**69.0380**	**0.0132**	**0.0000**	**69.3676**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1900e-003	0.0490	0.0156	2.1000e-004	7.0800e-003	2.8000e-004	7.3700e-003	2.0500e-003	2.7000e-004	2.3200e-003	0.0000	20.8660	20.8660	4.4000e-004	3.0600e-003	21.7877
Worker	6.7500e-003	4.3000e-003	0.0598	1.9000e-004	0.0243	1.1000e-004	0.0244	6.4600e-003	1.0000e-004	6.5600e-003	0.0000	17.3022	17.3022	4.4000e-004	4.5000e-004	17.4474
Total	**7.9400e-003**	**0.0533**	**0.0754**	**4.0000e-004**	**0.0314**	**3.9000e-004**	**0.0318**	**8.5100e-003**	**3.7000e-004**	**8.8800e-003**	**0.0000**	**38.1682**	**38.1682**	**8.8000e-004**	**3.5100e-003**	**39.2351**

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

3.6 Site and Building #1 - ROMP01 - 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	0.0121	0.2240	0.3876	6.5000e-004		0.0152	0.0152		0.0152	0.0152	0.0000	56.6440	56.6440	0.0120	0.0000	56.9442
Total	**0.0121**	**0.2240**	**0.3876**	**6.5000e-004**		**0.0152**	**0.0152**		**0.0152**	**0.0152**	**0.0000**	**56.6440**	**56.6440**	**0.0120**	**0.0000**	**56.9442**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1900e-003	0.0490	0.0156	2.1000e-004	7.0800e-003	2.8000e-004	7.3700e-003	2.0500e-003	2.7000e-004	2.3200e-003	0.0000	20.8660	20.8660	4.4000e-004	3.0600e-003	21.7877
Worker	6.7500e-003	4.3000e-003	0.0598	1.9000e-004	0.0243	1.1000e-004	0.0244	6.4600e-003	1.0000e-004	6.5600e-003	0.0000	17.3022	17.3022	4.4000e-004	4.5000e-004	17.4474
Total	**7.9400e-003**	**0.0533**	**0.0754**	**4.0000e-004**	**0.0314**	**3.9000e-004**	**0.0318**	**8.5100e-003**	**3.7000e-004**	**8.8800e-003**	**0.0000**	**38.1682**	**38.1682**	**8.8000e-004**	**3.5100e-003**	**39.2351**

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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 Site and Building #1 - Paving - 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	0.1220	1.2213	1.0809	2.3000e-003		0.0519	0.0519		0.0478	0.0478	0.0000	200.6858	200.6858	0.0642	0.0000	202.2917
Paving	2.2900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1243**	**1.2213**	**1.0809**	**2.3000e-003**		**0.0519**	**0.0519**		**0.0478**	**0.0478**	**0.0000**	**200.6858**	**200.6858**	**0.0642**	**0.0000**	**202.2917**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8000e-004	0.0120	2.8000e-003	5.0000e-005	1.4900e-003	1.0000e-004	1.5900e-003	4.1000e-004	9.0000e-005	5.0000e-004	0.0000	5.1877	5.1877	1.8000e-004	8.2000e-004	5.4373
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6300e-003	1.7500e-003	0.0234	7.0000e-005	8.9200e-003	4.0000e-005	8.9600e-003	2.3700e-003	4.0000e-005	2.4100e-003	0.0000	6.5756	6.5756	1.8000e-004	1.8000e-004	6.6326
Total	**2.8100e-003**	**0.0137**	**0.0262**	**1.2000e-004**	**0.0104**	**1.4000e-004**	**0.0106**	**2.7800e-003**	**1.3000e-004**	**2.9100e-003**	**0.0000**	**11.7633**	**11.7633**	**3.6000e-004**	**1.0000e-003**	**12.0699**

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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 Site and Building #1 - Paving - 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	0.0403	0.4083	1.2704	2.2700e-003		0.0213	0.0213		0.0210	0.0210	0.0000	199.0898	199.0898	0.0641	0.0000	200.6918
Paving	2.2900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0426**	**0.4083**	**1.2704**	**2.2700e-003**		**0.0213**	**0.0213**		**0.0210**	**0.0210**	**0.0000**	**199.0898**	**199.0898**	**0.0641**	**0.0000**	**200.6918**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8000e-004	0.0120	2.8000e-003	5.0000e-005	1.4900e-003	1.0000e-004	1.5900e-003	4.1000e-004	9.0000e-005	5.0000e-004	0.0000	5.1877	5.1877	1.8000e-004	8.2000e-004	5.4373
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6300e-003	1.7500e-003	0.0234	7.0000e-005	8.9200e-003	4.0000e-005	8.9600e-003	2.3700e-003	4.0000e-005	2.4100e-003	0.0000	6.5756	6.5756	1.8000e-004	1.8000e-004	6.6326
Total	**2.8100e-003**	**0.0137**	**0.0262**	**1.2000e-004**	**0.0104**	**1.4000e-004**	**0.0106**	**2.7800e-003**	**1.3000e-004**	**2.9100e-003**	**0.0000**	**11.7633**	**11.7633**	**3.6000e-004**	**1.0000e-003**	**12.0699**

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

3.7 Site and Building #1 - Paving - 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	0.1087	1.0495	1.0209	2.2500e-003		0.0439	0.0439		0.0405	0.0405	0.0000	196.1751	196.1751	0.0628	0.0000	197.7448
Paving	2.2400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1109**	**1.0495**	**1.0209**	**2.2500e-003**		**0.0439**	**0.0439**		**0.0405**	**0.0405**	**0.0000**	**196.1751**	**196.1751**	**0.0628**	**0.0000**	**197.7448**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8000e-004	0.0116	2.7500e-003	5.0000e-005	1.4600e-003	1.0000e-004	1.5600e-003	4.0000e-004	9.0000e-005	4.9000e-004	0.0000	4.9747	4.9747	1.7000e-004	7.9000e-004	5.2141
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4300e-003	1.5400e-003	0.0215	7.0000e-005	8.7200e-003	4.0000e-005	8.7600e-003	2.3200e-003	4.0000e-005	2.3600e-003	0.0000	6.2167	6.2167	1.6000e-004	1.6000e-004	6.2689
Total	**2.6100e-003**	**0.0132**	**0.0242**	**1.2000e-004**	**0.0102**	**1.4000e-004**	**0.0103**	**2.7200e-003**	**1.3000e-004**	**2.8500e-003**	**0.0000**	**11.1914**	**11.1914**	**3.3000e-004**	**9.5000e-004**	**11.4830**

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

3.7 Site and Building #1 - Paving - 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	0.0387	0.3890	1.2411	2.2200e-003		0.0204	0.0204		0.0201	0.0201	0.0000	194.6146	194.6146	0.0626	0.0000	196.1806
Paving	2.2400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0409**	**0.3890**	**1.2411**	**2.2200e-003**		**0.0204**	**0.0204**		**0.0201**	**0.0201**	**0.0000**	**194.6146**	**194.6146**	**0.0626**	**0.0000**	**196.1806**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8000e-004	0.0116	2.7500e-003	5.0000e-005	1.4600e-003	1.0000e-004	1.5600e-003	4.0000e-004	9.0000e-005	4.9000e-004	0.0000	4.9747	4.9747	1.7000e-004	7.9000e-004	5.2141
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4300e-003	1.5400e-003	0.0215	7.0000e-005	8.7200e-003	4.0000e-005	8.7600e-003	2.3200e-003	4.0000e-005	2.3600e-003	0.0000	6.2167	6.2167	1.6000e-004	1.6000e-004	6.2689
Total	**2.6100e-003**	**0.0132**	**0.0242**	**1.2000e-004**	**0.0102**	**1.4000e-004**	**0.0103**	**2.7200e-003**	**1.3000e-004**	**2.8500e-003**	**0.0000**	**11.1914**	**11.1914**	**3.3000e-004**	**9.5000e-004**	**11.4830**

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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 Site and Building #1 - ROMP02 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1600e-003	0.0892	0.0283	3.9000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	5.0000e-004	4.2200e-003	0.0000	37.9868	37.9868	8.1000e-004	5.5600e-003	39.6647
Worker	0.0123	7.8200e-003	0.1089	3.4000e-004	0.0442	2.0000e-004	0.0444	0.0118	1.8000e-004	0.0119	0.0000	31.4988	31.4988	8.0000e-004	8.2000e-004	31.7633
Total	**0.0145**	**0.0970**	**0.1372**	**7.3000e-004**	**0.0571**	**7.2000e-004**	**0.0578**	**0.0155**	**6.8000e-004**	**0.0162**	**0.0000**	**69.4856**	**69.4856**	**1.6100e-003**	**6.3800e-003**	**71.4280**

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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 Site and Building #1 - ROMP02 - 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	0.0219	0.4077	0.7057	1.1800e-003		0.0277	0.0277		0.0277	0.0277	0.0000	103.1212	103.1212	0.0219	0.0000	103.6676
Total	**0.0219**	**0.4077**	**0.7057**	**1.1800e-003**		**0.0277**	**0.0277**		**0.0277**	**0.0277**	**0.0000**	**103.1212**	**103.1212**	**0.0219**	**0.0000**	**103.6676**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1600e-003	0.0892	0.0283	3.9000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	5.0000e-004	4.2200e-003	0.0000	37.9868	37.9868	8.1000e-004	5.5600e-003	39.6647
Worker	0.0123	7.8200e-003	0.1089	3.4000e-004	0.0442	2.0000e-004	0.0444	0.0118	1.8000e-004	0.0119	0.0000	31.4988	31.4988	8.0000e-004	8.2000e-004	31.7633
Total	**0.0145**	**0.0970**	**0.1372**	**7.3000e-004**	**0.0571**	**7.2000e-004**	**0.0578**	**0.0155**	**6.8000e-004**	**0.0162**	**0.0000**	**69.4856**	**69.4856**	**1.6100e-003**	**6.3800e-003**	**71.4280**

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

3.9 Site and Building #1 - ROMP01 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

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

3.9 Site and Building #1 - ROMP01 ArcCoa - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1819**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

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

3.10 Site and Building #1 - ROMP03 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1600e-003	0.0892	0.0283	3.9000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	5.0000e-004	4.2200e-003	0.0000	37.9868	37.9868	8.1000e-004	5.5600e-003	39.6647
Worker	0.0123	7.8200e-003	0.1089	3.4000e-004	0.0442	2.0000e-004	0.0444	0.0118	1.8000e-004	0.0119	0.0000	31.4988	31.4988	8.0000e-004	8.2000e-004	31.7633
Total	**0.0145**	**0.0970**	**0.1372**	**7.3000e-004**	**0.0571**	**7.2000e-004**	**0.0578**	**0.0155**	**6.8000e-004**	**0.0162**	**0.0000**	**69.4856**	**69.4856**	**1.6100e-003**	**6.3800e-003**	**71.4280**

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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 Site and Building #1 - ROMP03 - 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	0.0219	0.4077	0.7057	1.1800e-003		0.0277	0.0277		0.0277	0.0277	0.0000	103.1212	103.1212	0.0219	0.0000	103.6676
Total	**0.0219**	**0.4077**	**0.7057**	**1.1800e-003**		**0.0277**	**0.0277**		**0.0277**	**0.0277**	**0.0000**	**103.1212**	**103.1212**	**0.0219**	**0.0000**	**103.6676**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1600e-003	0.0892	0.0283	3.9000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	5.0000e-004	4.2200e-003	0.0000	37.9868	37.9868	8.1000e-004	5.5600e-003	39.6647
Worker	0.0123	7.8200e-003	0.1089	3.4000e-004	0.0442	2.0000e-004	0.0444	0.0118	1.8000e-004	0.0119	0.0000	31.4988	31.4988	8.0000e-004	8.2000e-004	31.7633
Total	**0.0145**	**0.0970**	**0.1372**	**7.3000e-004**	**0.0571**	**7.2000e-004**	**0.0578**	**0.0155**	**6.8000e-004**	**0.0162**	**0.0000**	**69.4856**	**69.4856**	**1.6100e-003**	**6.3800e-003**	**71.4280**

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

3.11 Site and Building #1 - ROMP02 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

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

3.11 Site and Building #1 - ROMP02 ArcCoa - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1819**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

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

3.12 Site and Building #1 - ROMP04 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1600e-003	0.0892	0.0283	3.9000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	5.0000e-004	4.2200e-003	0.0000	37.9868	37.9868	8.1000e-004	5.5600e-003	39.6647
Worker	0.0123	7.8200e-003	0.1089	3.4000e-004	0.0442	2.0000e-004	0.0444	0.0118	1.8000e-004	0.0119	0.0000	31.4988	31.4988	8.0000e-004	8.2000e-004	31.7633
Total	**0.0145**	**0.0970**	**0.1372**	**7.3000e-004**	**0.0571**	**7.2000e-004**	**0.0578**	**0.0155**	**6.8000e-004**	**0.0162**	**0.0000**	**69.4856**	**69.4856**	**1.6100e-003**	**6.3800e-003**	**71.4280**

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

3.12 Site and Building #1 - ROMP04 - 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	0.0219	0.4077	0.7057	1.1800e-003		0.0277	0.0277		0.0277	0.0277	0.0000	103.1212	103.1212	0.0219	0.0000	103.6676
Total	**0.0219**	**0.4077**	**0.7057**	**1.1800e-003**		**0.0277**	**0.0277**		**0.0277**	**0.0277**	**0.0000**	**103.1212**	**103.1212**	**0.0219**	**0.0000**	**103.6676**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1600e-003	0.0892	0.0283	3.9000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	5.0000e-004	4.2200e-003	0.0000	37.9868	37.9868	8.1000e-004	5.5600e-003	39.6647
Worker	0.0123	7.8200e-003	0.1089	3.4000e-004	0.0442	2.0000e-004	0.0444	0.0118	1.8000e-004	0.0119	0.0000	31.4988	31.4988	8.0000e-004	8.2000e-004	31.7633
Total	**0.0145**	**0.0970**	**0.1372**	**7.3000e-004**	**0.0571**	**7.2000e-004**	**0.0578**	**0.0155**	**6.8000e-004**	**0.0162**	**0.0000**	**69.4856**	**69.4856**	**1.6100e-003**	**6.3800e-003**	**71.4280**

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

3.13 Site and Building #1 - ROMP03 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

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

3.13 Site and Building #1 - ROMP03 ArcCoa - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1819**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

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

3.14 Site and Building #1 - ROMP05 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1600e-003	0.0892	0.0283	3.9000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	5.0000e-004	4.2200e-003	0.0000	37.9868	37.9868	8.1000e-004	5.5600e-003	39.6647
Worker	0.0123	7.8200e-003	0.1089	3.4000e-004	0.0442	2.0000e-004	0.0444	0.0118	1.8000e-004	0.0119	0.0000	31.4988	31.4988	8.0000e-004	8.2000e-004	31.7633
Total	**0.0145**	**0.0970**	**0.1372**	**7.3000e-004**	**0.0571**	**7.2000e-004**	**0.0578**	**0.0155**	**6.8000e-004**	**0.0162**	**0.0000**	**69.4856**	**69.4856**	**1.6100e-003**	**6.3800e-003**	**71.4280**

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

3.14 Site and Building #1 - ROMP05 - 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	0.0219	0.4077	0.7057	1.1800e-003		0.0277	0.0277		0.0277	0.0277	0.0000	103.1212	103.1212	0.0219	0.0000	103.6676
Total	**0.0219**	**0.4077**	**0.7057**	**1.1800e-003**		**0.0277**	**0.0277**		**0.0277**	**0.0277**	**0.0000**	**103.1212**	**103.1212**	**0.0219**	**0.0000**	**103.6676**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1600e-003	0.0892	0.0283	3.9000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	5.0000e-004	4.2200e-003	0.0000	37.9868	37.9868	8.1000e-004	5.5600e-003	39.6647
Worker	0.0123	7.8200e-003	0.1089	3.4000e-004	0.0442	2.0000e-004	0.0444	0.0118	1.8000e-004	0.0119	0.0000	31.4988	31.4988	8.0000e-004	8.2000e-004	31.7633
Total	**0.0145**	**0.0970**	**0.1372**	**7.3000e-004**	**0.0571**	**7.2000e-004**	**0.0578**	**0.0155**	**6.8000e-004**	**0.0162**	**0.0000**	**69.4856**	**69.4856**	**1.6100e-003**	**6.3800e-003**	**71.4280**

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

3.15 Site and Building #1 - ROMP04 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

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

3.15 Site and Building #1 - ROMP04 ArcCoa - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1819**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

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

3.16 Site and Building #1 - ROMP06 - 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	0.0517	0.4403	0.4873	9.1000e-004		0.0186	0.0186		0.0177	0.0177	0.0000	76.1188	76.1188	0.0145	0.0000	76.4822
Total	**0.0517**	**0.4403**	**0.4873**	**9.1000e-004**		**0.0186**	**0.0186**		**0.0177**	**0.0177**	**0.0000**	**76.1188**	**76.1188**	**0.0145**	**0.0000**	**76.4822**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3100e-003	0.0540	0.0172	2.4000e-004	7.8100e-003	3.1000e-004	8.1200e-003	2.2600e-003	3.0000e-004	2.5600e-003	0.0000	23.0061	23.0061	4.9000e-004	3.3700e-003	24.0223
Worker	7.4500e-003	4.7400e-003	0.0659	2.1000e-004	0.0268	1.2000e-004	0.0269	7.1200e-003	1.1000e-004	7.2300e-003	0.0000	19.0768	19.0768	4.9000e-004	5.0000e-004	19.2369
Total	**8.7600e-003**	**0.0588**	**0.0831**	**4.5000e-004**	**0.0346**	**4.3000e-004**	**0.0350**	**9.3800e-003**	**4.1000e-004**	**9.7900e-003**	**0.0000**	**42.0828**	**42.0828**	**9.8000e-004**	**3.8700e-003**	**43.2592**

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

3.16 Site and Building #1 - ROMP06 - 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	0.0133	0.2469	0.4274	7.2000e-004		0.0168	0.0168		0.0168	0.0168	0.0000	62.4537	62.4537	0.0132	0.0000	62.7846
Total	**0.0133**	**0.2469**	**0.4274**	**7.2000e-004**		**0.0168**	**0.0168**		**0.0168**	**0.0168**	**0.0000**	**62.4537**	**62.4537**	**0.0132**	**0.0000**	**62.7846**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3100e-003	0.0540	0.0172	2.4000e-004	7.8100e-003	3.1000e-004	8.1200e-003	2.2600e-003	3.0000e-004	2.5600e-003	0.0000	23.0061	23.0061	4.9000e-004	3.3700e-003	24.0223
Worker	7.4500e-003	4.7400e-003	0.0659	2.1000e-004	0.0268	1.2000e-004	0.0269	7.1200e-003	1.1000e-004	7.2300e-003	0.0000	19.0768	19.0768	4.9000e-004	5.0000e-004	19.2369
Total	**8.7600e-003**	**0.0588**	**0.0831**	**4.5000e-004**	**0.0346**	**4.3000e-004**	**0.0350**	**9.3800e-003**	**4.1000e-004**	**9.7900e-003**	**0.0000**	**42.0828**	**42.0828**	**9.8000e-004**	**3.8700e-003**	**43.2592**

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

3.16 Site and Building #1 - ROMP06 - 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	0.0337	0.2867	0.3173	5.9000e-004		0.0121	0.0121		0.0115	0.0115	0.0000	49.5658	49.5658	9.4600e-003	0.0000	49.8024
Total	**0.0337**	**0.2867**	**0.3173**	**5.9000e-004**		**0.0121**	**0.0121**		**0.0115**	**0.0115**	**0.0000**	**49.5658**	**49.5658**	**9.4600e-003**	**0.0000**	**49.8024**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.4000e-004	0.0350	0.0110	1.5000e-004	5.0800e-003	2.0000e-004	5.2900e-003	1.4700e-003	1.9000e-004	1.6700e-003	0.0000	14.7159	14.7159	3.2000e-004	2.1500e-003	15.3646
Worker	4.5900e-003	2.8100e-003	0.0406	1.3000e-004	0.0174	7.0000e-005	0.0175	4.6400e-003	7.0000e-005	4.7100e-003	0.0000	12.0458	12.0458	2.9000e-004	3.1000e-004	12.1442
Total	**5.4300e-003**	**0.0378**	**0.0516**	**2.8000e-004**	**0.0225**	**2.7000e-004**	**0.0228**	**6.1100e-003**	**2.6000e-004**	**6.3800e-003**	**0.0000**	**26.7617**	**26.7617**	**6.1000e-004**	**2.4600e-003**	**27.5088**

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

3.16 Site and Building #1 - ROMP06 - 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	8.6500e-003	0.1608	0.2783	4.7000e-004		0.0109	0.0109		0.0109	0.0109	0.0000	40.6675	40.6675	8.6200e-003	0.0000	40.8830
Total	**8.6500e-003**	**0.1608**	**0.2783**	**4.7000e-004**		**0.0109**	**0.0109**		**0.0109**	**0.0109**	**0.0000**	**40.6675**	**40.6675**	**8.6200e-003**	**0.0000**	**40.8830**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.4000e-004	0.0350	0.0110	1.5000e-004	5.0800e-003	2.0000e-004	5.2900e-003	1.4700e-003	1.9000e-004	1.6700e-003	0.0000	14.7159	14.7159	3.2000e-004	2.1500e-003	15.3646
Worker	4.5900e-003	2.8100e-003	0.0406	1.3000e-004	0.0174	7.0000e-005	0.0175	4.6400e-003	7.0000e-005	4.7100e-003	0.0000	12.0458	12.0458	2.9000e-004	3.1000e-004	12.1442
Total	**5.4300e-003**	**0.0378**	**0.0516**	**2.8000e-004**	**0.0225**	**2.7000e-004**	**0.0228**	**6.1100e-003**	**2.6000e-004**	**6.3800e-003**	**0.0000**	**26.7617**	**26.7617**	**6.1000e-004**	**2.4600e-003**	**27.5088**

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

3.17 Site and Building #1 - ROMP05 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

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

3.17 Site and Building #1 - ROMP05 ArcCoa - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1819**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

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

3.18 Site and Building #1 - ROMP07 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1200e-003	0.0886	0.0280	3.8000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	4.9000e-004	4.2200e-003	0.0000	37.3154	37.3154	8.0000e-004	5.4500e-003	38.9603
Worker	0.0116	7.1300e-003	0.1028	3.3000e-004	0.0442	1.9000e-004	0.0444	0.0118	1.7000e-004	0.0119	0.0000	30.5447	30.5447	7.3000e-004	7.8000e-004	30.7942
Total	**0.0138**	**0.0958**	**0.1308**	**7.1000e-004**	**0.0571**	**7.1000e-004**	**0.0578**	**0.0155**	**6.6000e-004**	**0.0162**	**0.0000**	**67.8600**	**67.8600**	**1.5300e-003**	**6.2300e-003**	**69.7545**

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

3.18 Site and Building #1 - ROMP07 - 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	0.0219	0.4077	0.7057	1.1800e-003		0.0277	0.0277		0.0277	0.0277	0.0000	103.1212	103.1212	0.0219	0.0000	103.6676
Total	**0.0219**	**0.4077**	**0.7057**	**1.1800e-003**		**0.0277**	**0.0277**		**0.0277**	**0.0277**	**0.0000**	**103.1212**	**103.1212**	**0.0219**	**0.0000**	**103.6676**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1200e-003	0.0886	0.0280	3.8000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	4.9000e-004	4.2200e-003	0.0000	37.3154	37.3154	8.0000e-004	5.4500e-003	38.9603
Worker	0.0116	7.1300e-003	0.1028	3.3000e-004	0.0442	1.9000e-004	0.0444	0.0118	1.7000e-004	0.0119	0.0000	30.5447	30.5447	7.3000e-004	7.8000e-004	30.7942
Total	**0.0138**	**0.0958**	**0.1308**	**7.1000e-004**	**0.0571**	**7.1000e-004**	**0.0578**	**0.0155**	**6.6000e-004**	**0.0162**	**0.0000**	**67.8600**	**67.8600**	**1.5300e-003**	**6.2300e-003**	**69.7545**

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

3.19 Site and Building #1 - ROMP06 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

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

3.19 Site and Building #1 - ROMP06 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1819**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

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

3.20 Site and Building #1 - ROMP08 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1200e-003	0.0886	0.0280	3.8000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	4.9000e-004	4.2200e-003	0.0000	37.3154	37.3154	8.0000e-004	5.4500e-003	38.9603
Worker	0.0116	7.1300e-003	0.1028	3.3000e-004	0.0442	1.9000e-004	0.0444	0.0118	1.7000e-004	0.0119	0.0000	30.5447	30.5447	7.3000e-004	7.8000e-004	30.7942
Total	**0.0138**	**0.0958**	**0.1308**	**7.1000e-004**	**0.0571**	**7.1000e-004**	**0.0578**	**0.0155**	**6.6000e-004**	**0.0162**	**0.0000**	**67.8600**	**67.8600**	**1.5300e-003**	**6.2300e-003**	**69.7545**

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

3.20 Site and Building #1 - ROMP08 - 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	0.0219	0.4077	0.7057	1.1800e-003		0.0277	0.0277		0.0277	0.0277	0.0000	103.1212	103.1212	0.0219	0.0000	103.6676
Total	**0.0219**	**0.4077**	**0.7057**	**1.1800e-003**		**0.0277**	**0.0277**		**0.0277**	**0.0277**	**0.0000**	**103.1212**	**103.1212**	**0.0219**	**0.0000**	**103.6676**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1200e-003	0.0886	0.0280	3.8000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	4.9000e-004	4.2200e-003	0.0000	37.3154	37.3154	8.0000e-004	5.4500e-003	38.9603
Worker	0.0116	7.1300e-003	0.1028	3.3000e-004	0.0442	1.9000e-004	0.0444	0.0118	1.7000e-004	0.0119	0.0000	30.5447	30.5447	7.3000e-004	7.8000e-004	30.7942
Total	**0.0138**	**0.0958**	**0.1308**	**7.1000e-004**	**0.0571**	**7.1000e-004**	**0.0578**	**0.0155**	**6.6000e-004**	**0.0162**	**0.0000**	**67.8600**	**67.8600**	**1.5300e-003**	**6.2300e-003**	**69.7545**

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

3.21 Site and Building #1 - ROMP07 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

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

3.21 Site and Building #1 - ROMP07 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1819**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

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

3.22 Site and Building #1 - ROMP09 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1200e-003	0.0886	0.0280	3.8000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	4.9000e-004	4.2200e-003	0.0000	37.3154	37.3154	8.0000e-004	5.4500e-003	38.9603
Worker	0.0116	7.1300e-003	0.1028	3.3000e-004	0.0442	1.9000e-004	0.0444	0.0118	1.7000e-004	0.0119	0.0000	30.5447	30.5447	7.3000e-004	7.8000e-004	30.7942
Total	**0.0138**	**0.0958**	**0.1308**	**7.1000e-004**	**0.0571**	**7.1000e-004**	**0.0578**	**0.0155**	**6.6000e-004**	**0.0162**	**0.0000**	**67.8600**	**67.8600**	**1.5300e-003**	**6.2300e-003**	**69.7545**

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

3.22 Site and Building #1 - ROMP09 - 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	0.0219	0.4077	0.7057	1.1800e-003		0.0277	0.0277		0.0277	0.0277	0.0000	103.1212	103.1212	0.0219	0.0000	103.6676
Total	**0.0219**	**0.4077**	**0.7057**	**1.1800e-003**		**0.0277**	**0.0277**		**0.0277**	**0.0277**	**0.0000**	**103.1212**	**103.1212**	**0.0219**	**0.0000**	**103.6676**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1200e-003	0.0886	0.0280	3.8000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	4.9000e-004	4.2200e-003	0.0000	37.3154	37.3154	8.0000e-004	5.4500e-003	38.9603
Worker	0.0116	7.1300e-003	0.1028	3.3000e-004	0.0442	1.9000e-004	0.0444	0.0118	1.7000e-004	0.0119	0.0000	30.5447	30.5447	7.3000e-004	7.8000e-004	30.7942
Total	**0.0138**	**0.0958**	**0.1308**	**7.1000e-004**	**0.0571**	**7.1000e-004**	**0.0578**	**0.0155**	**6.6000e-004**	**0.0162**	**0.0000**	**67.8600**	**67.8600**	**1.5300e-003**	**6.2300e-003**	**69.7545**

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

3.23 Site and Building #1 - ROMP08 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

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

3.23 Site and Building #1 - ROMP08 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1819**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

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

3.24 Site and Building #1 - ROMP10 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1200e-003	0.0886	0.0280	3.8000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	4.9000e-004	4.2200e-003	0.0000	37.3154	37.3154	8.0000e-004	5.4500e-003	38.9603
Worker	0.0116	7.1300e-003	0.1028	3.3000e-004	0.0442	1.9000e-004	0.0444	0.0118	1.7000e-004	0.0119	0.0000	30.5447	30.5447	7.3000e-004	7.8000e-004	30.7942
Total	**0.0138**	**0.0958**	**0.1308**	**7.1000e-004**	**0.0571**	**7.1000e-004**	**0.0578**	**0.0155**	**6.6000e-004**	**0.0162**	**0.0000**	**67.8600**	**67.8600**	**1.5300e-003**	**6.2300e-003**	**69.7545**

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

3.24 Site and Building #1 - ROMP10 - 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	0.0219	0.4077	0.7057	1.1800e-003		0.0277	0.0277		0.0277	0.0277	0.0000	103.1212	103.1212	0.0219	0.0000	103.6676
Total	**0.0219**	**0.4077**	**0.7057**	**1.1800e-003**		**0.0277**	**0.0277**		**0.0277**	**0.0277**	**0.0000**	**103.1212**	**103.1212**	**0.0219**	**0.0000**	**103.6676**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1200e-003	0.0886	0.0280	3.8000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	4.9000e-004	4.2200e-003	0.0000	37.3154	37.3154	8.0000e-004	5.4500e-003	38.9603
Worker	0.0116	7.1300e-003	0.1028	3.3000e-004	0.0442	1.9000e-004	0.0444	0.0118	1.7000e-004	0.0119	0.0000	30.5447	30.5447	7.3000e-004	7.8000e-004	30.7942
Total	**0.0138**	**0.0958**	**0.1308**	**7.1000e-004**	**0.0571**	**7.1000e-004**	**0.0578**	**0.0155**	**6.6000e-004**	**0.0162**	**0.0000**	**67.8600**	**67.8600**	**1.5300e-003**	**6.2300e-003**	**69.7545**

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

3.25 Site and Building #1 - ROMP09 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

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

3.25 Site and Building #1 - ROMP09 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1819**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

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

3.26 Site and Building #1 - ROMP11 - 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	0.0650	0.5529	0.6119	1.1400e-003		0.0234	0.0234		0.0222	0.0222	0.0000	95.5911	95.5911	0.0183	0.0000	96.0474
Total	**0.0650**	**0.5529**	**0.6119**	**1.1400e-003**		**0.0234**	**0.0234**		**0.0222**	**0.0222**	**0.0000**	**95.5911**	**95.5911**	**0.0183**	**0.0000**	**96.0474**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6100e-003	0.0674	0.0213	2.9000e-004	9.8100e-003	3.9000e-004	0.0102	2.8400e-003	3.8000e-004	3.2100e-003	0.0000	28.3807	28.3807	6.1000e-004	4.1500e-003	29.6318
Worker	8.8500e-003	5.4200e-003	0.0782	2.5000e-004	0.0336	1.4000e-004	0.0338	8.9400e-003	1.3000e-004	9.0700e-003	0.0000	23.2312	23.2312	5.6000e-004	5.9000e-004	23.4210
Total	**0.0105**	**0.0728**	**0.0995**	**5.4000e-004**	**0.0434**	**5.3000e-004**	**0.0440**	**0.0118**	**5.1000e-004**	**0.0123**	**0.0000**	**51.6119**	**51.6119**	**1.1700e-003**	**4.7400e-003**	**53.0527**

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

3.26 Site and Building #1 - ROMP11 - 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	0.0167	0.3101	0.5367	9.0000e-004		0.0211	0.0211		0.0211	0.0211	0.0000	78.4302	78.4302	0.0166	0.0000	78.8457
Total	**0.0167**	**0.3101**	**0.5367**	**9.0000e-004**		**0.0211**	**0.0211**		**0.0211**	**0.0211**	**0.0000**	**78.4302**	**78.4302**	**0.0166**	**0.0000**	**78.8457**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6100e-003	0.0674	0.0213	2.9000e-004	9.8100e-003	3.9000e-004	0.0102	2.8400e-003	3.8000e-004	3.2100e-003	0.0000	28.3807	28.3807	6.1000e-004	4.1500e-003	29.6318
Worker	8.8500e-003	5.4200e-003	0.0782	2.5000e-004	0.0336	1.4000e-004	0.0338	8.9400e-003	1.3000e-004	9.0700e-003	0.0000	23.2312	23.2312	5.6000e-004	5.9000e-004	23.4210
Total	**0.0105**	**0.0728**	**0.0995**	**5.4000e-004**	**0.0434**	**5.3000e-004**	**0.0440**	**0.0118**	**5.1000e-004**	**0.0123**	**0.0000**	**51.6119**	**51.6119**	**1.1700e-003**	**4.7400e-003**	**53.0527**

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

3.26 Site and Building #1 - ROMP11 - 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	0.0205	0.1741	0.1927	3.6000e-004		7.3600e-003	7.3600e-003		7.0000e-003	7.0000e-003	0.0000	30.0935	30.0935	5.7500e-003	0.0000	30.2372
Total	**0.0205**	**0.1741**	**0.1927**	**3.6000e-004**		**7.3600e-003**	**7.3600e-003**		**7.0000e-003**	**7.0000e-003**	**0.0000**	**30.0935**	**30.0935**	**5.7500e-003**	**0.0000**	**30.2372**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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-004	0.0211	6.6200e-003	9.0000e-005	3.0900e-003	1.2000e-004	3.2100e-003	8.9000e-004	1.2000e-004	1.0100e-003	0.0000	8.7591	8.7591	1.9000e-004	1.2800e-003	9.1445
Worker	2.6400e-003	1.5700e-003	0.0234	8.0000e-005	0.0106	4.0000e-005	0.0106	2.8100e-003	4.0000e-005	2.8500e-003	0.0000	7.1066	7.1066	1.6000e-004	1.8000e-004	7.1634
Total	**3.1400e-003**	**0.0226**	**0.0300**	**1.7000e-004**	**0.0137**	**1.6000e-004**	**0.0138**	**3.7000e-003**	**1.6000e-004**	**3.8600e-003**	**0.0000**	**15.8657**	**15.8657**	**3.5000e-004**	**1.4600e-003**	**16.3079**

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

3.26 Site and Building #1 - ROMP11 - 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	5.2500e-003	0.0976	0.1690	2.8000e-004		6.6400e-003	6.6400e-003		6.6400e-003	6.6400e-003	0.0000	24.6910	24.6910	5.2300e-003	0.0000	24.8218
Total	**5.2500e-003**	**0.0976**	**0.1690**	**2.8000e-004**		**6.6400e-003**	**6.6400e-003**		**6.6400e-003**	**6.6400e-003**	**0.0000**	**24.6910**	**24.6910**	**5.2300e-003**	**0.0000**	**24.8218**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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-004	0.0211	6.6200e-003	9.0000e-005	3.0900e-003	1.2000e-004	3.2100e-003	8.9000e-004	1.2000e-004	1.0100e-003	0.0000	8.7591	8.7591	1.9000e-004	1.2800e-003	9.1445
Worker	2.6400e-003	1.5700e-003	0.0234	8.0000e-005	0.0106	4.0000e-005	0.0106	2.8100e-003	4.0000e-005	2.8500e-003	0.0000	7.1066	7.1066	1.6000e-004	1.8000e-004	7.1634
Total	**3.1400e-003**	**0.0226**	**0.0300**	**1.7000e-004**	**0.0137**	**1.6000e-004**	**0.0138**	**3.7000e-003**	**1.6000e-004**	**3.8600e-003**	**0.0000**	**15.8657**	**15.8657**	**3.5000e-004**	**1.4600e-003**	**16.3079**

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

3.27 Site and Building #1 - ROMP10 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

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

3.27 Site and Building #1 - ROMP10 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1819**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

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

3.28 Site and Building #1 - ROMP12 - 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	4.8100e-003	0.0410	0.0453	8.0000e-005		1.7300e-003	1.7300e-003		1.6500e-003	1.6500e-003	0.0000	7.0808	7.0808	1.3500e-003	0.0000	7.1146
Total	**4.8100e-003**	**0.0410**	**0.0453**	**8.0000e-005**		**1.7300e-003**	**1.7300e-003**		**1.6500e-003**	**1.6500e-003**	**0.0000**	**7.0808**	**7.0808**	**1.3500e-003**	**0.0000**	**7.1146**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2000e-004	4.9900e-003	1.5800e-003	2.0000e-005	7.3000e-004	3.0000e-005	7.6000e-004	2.1000e-004	3.0000e-005	2.4000e-004	0.0000	2.1023	2.1023	5.0000e-005	3.1000e-004	2.1949
Worker	6.6000e-004	4.0000e-004	5.7900e-003	2.0000e-005	2.4900e-003	1.0000e-005	2.5000e-003	6.6000e-004	1.0000e-005	6.7000e-004	0.0000	1.7208	1.7208	4.0000e-005	4.0000e-005	1.7349
Total	**7.8000e-004**	**5.3900e-003**	**7.3700e-003**	**4.0000e-005**	**3.2200e-003**	**4.0000e-005**	**3.2600e-003**	**8.7000e-004**	**4.0000e-005**	**9.1000e-004**	**0.0000**	**3.8231**	**3.8231**	**9.0000e-005**	**3.5000e-004**	**3.9298**

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

3.28 Site and Building #1 - ROMP12 - 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	1.2400e-003	0.0230	0.0398	7.0000e-005		1.5600e-003	1.5600e-003		1.5600e-003	1.5600e-003	0.0000	5.8096	5.8096	1.2300e-003	0.0000	5.8404
Total	**1.2400e-003**	**0.0230**	**0.0398**	**7.0000e-005**		**1.5600e-003**	**1.5600e-003**		**1.5600e-003**	**1.5600e-003**	**0.0000**	**5.8096**	**5.8096**	**1.2300e-003**	**0.0000**	**5.8404**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2000e-004	4.9900e-003	1.5800e-003	2.0000e-005	7.3000e-004	3.0000e-005	7.6000e-004	2.1000e-004	3.0000e-005	2.4000e-004	0.0000	2.1023	2.1023	5.0000e-005	3.1000e-004	2.1949
Worker	6.6000e-004	4.0000e-004	5.7900e-003	2.0000e-005	2.4900e-003	1.0000e-005	2.5000e-003	6.6000e-004	1.0000e-005	6.7000e-004	0.0000	1.7208	1.7208	4.0000e-005	4.0000e-005	1.7349
Total	**7.8000e-004**	**5.3900e-003**	**7.3700e-003**	**4.0000e-005**	**3.2200e-003**	**4.0000e-005**	**3.2600e-003**	**8.7000e-004**	**4.0000e-005**	**9.1000e-004**	**0.0000**	**3.8231**	**3.8231**	**9.0000e-005**	**3.5000e-004**	**3.9298**

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

3.28 Site and Building #1 - ROMP12 - 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	0.0806	0.6860	0.7593	1.4100e-003		0.0290	0.0290		0.0276	0.0276	0.0000	118.6038	118.6038	0.0227	0.0000	119.1699
Total	**0.0806**	**0.6860**	**0.7593**	**1.4100e-003**		**0.0290**	**0.0290**		**0.0276**	**0.0276**	**0.0000**	**118.6038**	**118.6038**	**0.0227**	**0.0000**	**119.1699**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9700e-003	0.0830	0.0261	3.5000e-004	0.0122	4.8000e-004	0.0127	3.5200e-003	4.6000e-004	3.9800e-003	0.0000	34.5210	34.5210	7.4000e-004	5.0400e-003	36.0401
Worker	0.0104	6.1800e-003	0.0922	3.1000e-004	0.0417	1.7000e-004	0.0419	0.0111	1.6000e-004	0.0113	0.0000	28.0084	28.0084	6.4000e-004	7.0000e-004	28.2320
Total	**0.0124**	**0.0892**	**0.1183**	**6.6000e-004**	**0.0539**	**6.5000e-004**	**0.0545**	**0.0146**	**6.2000e-004**	**0.0152**	**0.0000**	**62.5294**	**62.5294**	**1.3800e-003**	**5.7400e-003**	**64.2721**

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

3.28 Site and Building #1 - ROMP12 - 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	0.0207	0.3848	0.6659	1.1200e-003		0.0262	0.0262		0.0262	0.0262	0.0000	97.3115	97.3115	0.0206	0.0000	97.8271
Total	**0.0207**	**0.3848**	**0.6659**	**1.1200e-003**		**0.0262**	**0.0262**		**0.0262**	**0.0262**	**0.0000**	**97.3115**	**97.3115**	**0.0206**	**0.0000**	**97.8271**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9700e-003	0.0830	0.0261	3.5000e-004	0.0122	4.8000e-004	0.0127	3.5200e-003	4.6000e-004	3.9800e-003	0.0000	34.5210	34.5210	7.4000e-004	5.0400e-003	36.0401
Worker	0.0104	6.1800e-003	0.0922	3.1000e-004	0.0417	1.7000e-004	0.0419	0.0111	1.6000e-004	0.0113	0.0000	28.0084	28.0084	6.4000e-004	7.0000e-004	28.2320
Total	**0.0124**	**0.0892**	**0.1183**	**6.6000e-004**	**0.0539**	**6.5000e-004**	**0.0545**	**0.0146**	**6.2000e-004**	**0.0152**	**0.0000**	**62.5294**	**62.5294**	**1.3800e-003**	**5.7400e-003**	**64.2721**

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

3.29 Site and Building #1 - ROMP11 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.4000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1651	0.1651	0.0000	0.0000	0.1664
Total	**6.0000e-005**	**4.0000e-005**	**5.4000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1651**	**0.1651**	**0.0000**	**0.0000**	**0.1664**

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

3.29 Site and Building #1 - ROMP11 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1819**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.4000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1651	0.1651	0.0000	0.0000	0.1664
Total	**6.0000e-005**	**4.0000e-005**	**5.4000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1651**	**0.1651**	**0.0000**	**0.0000**	**0.1664**

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

3.30 Site and Building #1 - ROMP12 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.4000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1651	0.1651	0.0000	0.0000	0.1664
Total	**6.0000e-005**	**4.0000e-005**	**5.4000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1651**	**0.1651**	**0.0000**	**0.0000**	**0.1664**

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

3.30 Site and Building #1 - ROMP12 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1819**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.4000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1651	0.1651	0.0000	0.0000	0.1664
Total	**6.0000e-005**	**4.0000e-005**	**5.4000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1651**	**0.1651**	**0.0000**	**0.0000**	**0.1664**

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Transit Subsidy

Provide Riade Sharing Program

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1448	0.2041	1.7895	4.4800e-003	0.5239	2.9800e-003	0.5269	0.1398	2.7700e-003	0.1426	0.0000	413.4315	413.4315	0.0196	0.0162	418.7494
Unmitigated	0.1448	0.2041	1.7895	4.4800e-003	0.5239	2.9800e-003	0.5269	0.1398	2.7700e-003	0.1426	0.0000	413.4315	413.4315	0.0196	0.0162	418.7494

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	218.30	218.30	218.30	1,417,692	1,417,692
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	218.30	218.30	218.30	1,417,692	1,417,692

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
General Light Industry	19.13	6.60	19.13	90.50	0.00	9.50	92	5	3
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	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
Parking Lot	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

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 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					
General Light Industry	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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**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

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					
General Light Industry	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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	4.3362e +008	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	4744.25	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			
General Light Industry	4.3362e +008	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	4744.25	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

Use Low VOC Cleaning Supplies

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	0.9252	3.0000e-005	3.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.6900e-003	6.6900e-003	2.0000e-005	0.0000	7.1200e-003
Unmitigated	0.9896	3.0000e-005	3.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.6900e-003	6.6900e-003	2.0000e-005	0.0000	7.1200e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1182					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8711					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.2000e-004	3.0000e-005	3.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.6900e-003	6.6900e-003	2.0000e-005	0.0000	7.1200e-003
Total	**0.9896**	**3.0000e-005**	**3.4300e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**6.6900e-003**	**6.6900e-003**	**2.0000e-005**	**0.0000**	**7.1200e-003**

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	0.1182					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8067					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.2000e-004	3.0000e-005	3.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.6900e-003	6.6900e-003	2.0000e-005	0.0000	7.1200e-003
Total	**0.9252**	**3.0000e-005**	**3.4300e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**6.6900e-003**	**6.6900e-003**	**2.0000e-005**	**0.0000**	**7.1200e-003**

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 Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	16.1770	1.6615	0.0392	69.4065
Unmitigated	16.1770	1.6615	0.0392	69.4065

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	50.9906 / 0	16.1770	1.6615	0.0392	69.4065
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**16.1770**	**1.6615**	**0.0392**	**69.4065**

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			
General Light Industry	50.9906 / 0	16.1770	1.6615	0.0392	69.4065
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**16.1770**	**1.6615**	**0.0392**	**69.4065**

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	55.5018	3.2801	0.0000	137.5033
Unmitigated	55.5018	3.2801	0.0000	137.5033

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	273.42	55.5018	3.2801	0.0000	137.5033
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**55.5018**	**3.2801**	**0.0000**	**137.5033**

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			
General Light Industry	273.42	55.5018	3.2801	0.0000	137.5033
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**55.5018**	**3.2801**	**0.0000**	**137.5033**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

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

11.0 Vegetation

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

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	220.50	1000sqft	52.47	220,500.00	0
Other Asphalt Surfaces	140.31	1000sqft	3.22	140,312.00	0
Parking Lot	13.55	1000sqft	0.31	13,555.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**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 - 100% carbon-free electricity will be purchased.

Land Use - Per construction data provided by client.

Construction Phase - Per construction data provided by client.

Off-road Equipment - Per construction data provided by client, including Concrete Vibrator.

Off-road Equipment - Per construction data provided by the client.

Off-road Equipment - Per construction data provided by client.

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

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

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by client.

Off-road Equipment - Per construction data provided by the client, including Concrete Vibrator.

Trips and VMT - Based on import and export volumes and phasing.

Grading -

Vehicle Trips - Trip rate and trip length per Gilroy Data Center Project VMT Analysis (Hexagon, 2023).

Energy Use - 49.5MWhr per day. No proposed NG usage.

Construction Off-road Equipment Mitigation - Fugitive dust mitigation measures per BAAQMD CEQA Guidelines.

Area Mitigation -

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

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	75.00	2.00
tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	1,110.00	105.00
tblConstructionPhase	NumDays	1,110.00	60.00
tblConstructionPhase	NumDays	1,110.00	86.00
tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	1,110.00	71.00
tblConstructionPhase	NumDays	110.00	30.00

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

tblConstructionPhase	NumDays	75.00	91.00
tblConstructionPhase	NumDays	40.00	11.00
tblEnergyUse	LightingElect	3.08	747.77
tblEnergyUse	NT24E	3.70	898.29
tblEnergyUse	NT24NG	6.67	0.00
tblEnergyUse	T24E	1.32	320.47
tblEnergyUse	T24NG	19.51	0.00
tblGrading	AcresOfGrading	180.00	135.00
tblGrading	MaterialExported	0.00	53,000.00
tblGrading	MaterialImported	0.00	105,000.00
tblLandUse	LandUseSquareFeet	140,310.00	140,312.00
tblLandUse	LandUseSquareFeet	13,550.00	13,555.00
tblLandUse	LotAcreage	5.06	52.47
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
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	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
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 Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0

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

tblProjectCharacteristics	CO2IntensityFactor	203.98	0
tblProjectCharacteristics	N2OIntensityFactor	0.004	0
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripNumber	0.00	356.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TL	6.60	19.13
tblVehicleTrips	CNW_TTP	13.00	9.50
tblVehicleTrips	CW_TL	14.70	19.13
tblVehicleTrips	CW_TTP	59.00	90.50
tblVehicleTrips	ST_TR	1.99	0.99
tblVehicleTrips	SU_TR	5.00	0.99
tblVehicleTrips	WD_TR	4.96	0.99

2.0 Emissions Summary

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

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.7869	7.8333	8.1150	0.0211	0.6738	0.3031	0.9768	0.2420	0.2844	0.5264	0.0000	1,897.7071	1,897.7071	0.3518	0.0820	1,930.9372
2025	6.5389	5.3160	5.9119	0.0139	0.3058	0.2064	0.5121	0.0829	0.1950	0.2779	0.0000	1,215.6076	1,215.6076	0.1952	0.0339	1,230.5838
2026	6.4274	4.2932	4.8864	0.0116	0.2988	0.1640	0.4628	0.0810	0.1560	0.2371	0.0000	1,010.7389	1,010.7389	0.1331	0.0325	1,023.7468
2027	2.4808	0.9742	1.1049	2.6100e-003	0.0681	0.0373	0.1053	0.0185	0.0355	0.0539	0.0000	227.9331	227.9331	0.0302	7.2000e-003	230.8312
Maximum	**6.5389**	**7.8333**	**8.1150**	**0.0211**	**0.6738**	**0.3031**	**0.9768**	**0.2420**	**0.2844**	**0.5264**	**0.0000**	**1,897.7071**	**1,897.7071**	**0.3518**	**0.0820**	**1,930.9372**

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2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.7869	7.8332	8.1150	0.0211	0.4676	0.3031	0.7707	0.1537	0.2844	0.4381	0.0000	1,897.7056	1,897.7056	0.3518	0.0820	1,930.9356
2025	6.5389	5.3160	5.9119	0.0139	0.3058	0.2064	0.5121	0.0829	0.1950	0.2779	0.0000	1,215.6066	1,215.6066	0.1952	0.0339	1,230.5828
2026	6.4274	4.2932	4.8864	0.0116	0.2988	0.1640	0.4628	0.0810	0.1560	0.2371	0.0000	1,010.7381	1,010.7381	0.1331	0.0325	1,023.7460
2027	2.4808	0.9742	1.1049	2.6100e-003	0.0681	0.0373	0.1053	0.0185	0.0355	0.0539	0.0000	227.9329	227.9329	0.0302	7.2000e-003	230.8311
Maximum	**6.5389**	**7.8332**	**8.1150**	**0.0211**	**0.4676**	**0.3031**	**0.7707**	**0.1537**	**0.2844**	**0.4381**	**0.0000**	**1,897.7056**	**1,897.7056**	**0.3518**	**0.0820**	**1,930.9356**

	ROG	NOx	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**	**15.31**	**0.00**	**10.02**	**20.81**	**0.00**	**8.06**	**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	**4-8-2024**	**7-7-2024**	3.1192	3.1192
2	**7-8-2024**	**10-7-2024**	2.0071	2.0071
3	**10-8-2024**	**1-7-2025**	6.5092	6.5092
4	**1-8-2025**	**4-7-2025**	53.7279	53.7279
5	**4-8-2025**	**7-7-2025**	61.7382	61.7382
6	**7-8-2025**	**10-7-2025**	56.9696	56.9696
7	**10-8-2025**	**1-7-2026**	28.1758	28.1758
8	**1-8-2026**	**4-7-2026**	59.1527	59.1527

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9	**4-8-2026**	**7-7-2026**	59.1255	59.1255
10	**7-8-2026**	**10-7-2026**	53.0987	53.0987
11	**10-8-2026**	**1-7-2027**	24.8945	24.8945
12	**1-8-2027**	**4-7-2027**	47.4706	47.4706
		Highest	61.7382	61.7382

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	0.9896	3.0000e-005	3.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.6900e-003	6.6900e-003	2.0000e-005	0.0000	7.1200e-003
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	0.1448	0.2041	1.7895	4.4800e-003	0.5239	2.9800e-003	0.5269	0.1398	2.7700e-003	0.1426	0.0000	413.4315	413.4315	0.0196	0.0162	418.7494
Waste						0.0000	0.0000		0.0000	0.0000	55.5018	0.0000	55.5018	3.2801	0.0000	137.5033
Water						0.0000	0.0000		0.0000	0.0000	16.1770	0.0000	16.1770	1.6615	0.0392	69.4065
Total	**1.1345**	**0.2042**	**1.7929**	**4.4800e-003**	**0.5239**	**2.9900e-003**	**0.5269**	**0.1398**	**2.7800e-003**	**0.1426**	**71.6788**	**413.4382**	**485.1170**	**4.9612**	**0.0554**	**625.6663**

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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	0.9252	3.0000e-005	3.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.6900e-003	6.6900e-003	2.0000e-005	0.0000	7.1200e-003
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	0.1448	0.2041	1.7895	4.4800e-003	0.5239	2.9800e-003	0.5269	0.1398	2.7700e-003	0.1426	0.0000	413.4315	413.4315	0.0196	0.0162	418.7494
Waste						0.0000	0.0000		0.0000	0.0000	55.5018	0.0000	55.5018	3.2801	0.0000	137.5033
Water						0.0000	0.0000		0.0000	0.0000	16.1770	0.0000	16.1770	1.6615	0.0392	69.4065
Total	**1.0701**	**0.2042**	**1.7929**	**4.4800e-003**	**0.5239**	**2.9900e-003**	**0.5269**	**0.1398**	**2.7800e-003**	**0.1426**	**71.6788**	**413.4382**	**485.1170**	**4.9612**	**0.0554**	**625.6663**

	ROG	NOx	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	**5.67**	**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	Site and Building #1 - Site Preparation	Site Preparation	4/8/2024	4/22/2024	5	11	
2	Site and Building #1 - Grading	Grading	4/8/2024	5/17/2024	5	30	
3	Site and Building #1 - Foundation	Building Construction	5/15/2024	10/8/2024	5	105	

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4	Site and Building #1 - Structural/Building Exterior/Roof	Building Construction	9/18/2024	12/10/2024	5	60	
5	Site and Building #1 - ROMP01	Building Construction	10/28/2024	2/24/2025	5	86	
6	Site and Building #1 - Paving	Paving	10/30/2024	3/3/2025	5	91	
7	Site and Building #1 - ROMP02	Building Construction	1/27/2025	5/5/2025	5	71	
8	Site and Building #1 - ROMP01 ArcCoa	Architectural Coating	2/25/2025	2/26/2025	5	2	
9	Site and Building #1 - ROMP03	Building Construction	4/7/2025	7/14/2025	5	71	
10	Site and Building #1 - ROMP02 ArcCoa	Architectural Coating	5/6/2025	5/7/2025	5	2	
11	Site and Building #1 - ROMP04	Building Construction	6/16/2025	9/22/2025	5	71	
12	Site and Building #1 - ROMP03 ArcCoa	Architectural Coating	7/15/2025	7/16/2025	5	2	
13	Site and Building #1 - ROMP05	Building Construction	8/25/2025	12/1/2025	5	71	
14	Site and Building #1 - ROMP04 ArcCoa	Architectural Coating	9/23/2025	9/24/2025	5	2	
15	Site and Building #1 - ROMP06	Building Construction	11/3/2025	2/9/2026	5	71	
16	Site and Building #1 - ROMP05 ArcCoa	Architectural Coating	12/2/2025	12/3/2025	5	2	
17	Site and Building #1 - ROMP07	Building Construction	1/12/2026	4/20/2026	5	71	
18	Site and Building #1 - ROMP06 ArcCoa	Architectural Coating	2/10/2026	2/11/2026	5	2	
19	Site and Building #1 - ROMP08	Building Construction	3/23/2026	6/29/2026	5	71	
20	Site and Building #1 - ROMP07 ArcCoa	Architectural Coating	4/21/2026	4/22/2026	5	2	
21	Site and Building #1 - ROMP09	Building Construction	6/1/2026	9/7/2026	5	71	
22	Site and Building #1 - ROMP08 ArcCoa	Architectural Coating	6/30/2026	7/1/2026	5	2	
23	Site and Building #1 - ROMP10	Building Construction	8/10/2026	11/16/2026	5	71	
24	Site and Building #1 - ROMP09 ArcCoa	Architectural Coating	9/8/2026	9/9/2026	5	2	
25	Site and Building #1 - ROMP11	Building Construction	10/19/2026	1/25/2027	5	71	
26	Site and Building #1 - ROMP10 ArcCoa	Architectural Coating	11/17/2026	11/18/2026	5	2	
27	Site and Building #1 - ROMP12	Building Construction	12/28/2026	4/5/2027	5	71	
28	Site and Building #1 - ROMP11 ArcCoa	Architectural Coating	1/26/2027	1/27/2027	5	2	
29	Site and Building #1 - ROMP12 ArcCoa	Architectural Coating	4/6/2027	4/7/2027	5	2	

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Acres of Grading (Site Preparation Phase): 44

Acres of Grading (Grading Phase): 135

Acres of Paving: 3.53

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 330,750; Non-Residential Outdoor: 110,250; Striped Parking Area: 9,232 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site and Building #1 - Site Preparation	Concrete/Industrial Saws	0	8.00	81	0.73
Site and Building #1 - Site Preparation	Excavators	4	8.00	158	0.38
Site and Building #1 - Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site and Building #1 - Site Preparation	Scrapers	4	8.00	367	0.48
Site and Building #1 - Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site and Building #1 - Grading	Excavators	3	8.00	158	0.38
Site and Building #1 - Grading	Graders	3	8.00	187	0.41
Site and Building #1 - Grading	Rollers	3	8.00	80	0.38
Site and Building #1 - Grading	Rubber Tired Dozers	3	8.00	247	0.40
Site and Building #1 - Grading	Scrapers	3	8.00	367	0.48
Site and Building #1 - Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site and Building #1 - Foundation	Bore/Drill Rigs	4	8.00	221	0.50
Site and Building #1 - Foundation	Cement and Mortar Mixers	4	8.00	9	0.56
Site and Building #1 - Foundation	Cranes	0	8.00	231	0.29
Site and Building #1 - Foundation	Excavators	3	8.00	158	0.38
Site and Building #1 - Foundation	Forklifts	0	8.00	89	0.20
Site and Building #1 - Foundation	Generator Sets	0	8.00	84	0.74
Site and Building #1 - Foundation	Other Construction Equipment	4	8.00	172	0.42
Site and Building #1 - Foundation	Pumps	4	8.00	84	0.74
Site and Building #1 - Foundation	Tractors/Loaders/Backhoes	3	8.00	97	0.37

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

Site and Building #1 - Foundation	Welders	0	8.00	46	0.45
Site and Building #1 - Structural/Building Exterior/Roof	Cement and Mortar Mixers	4	8.00	9	0.56
Site and Building #1 - Structural/Building Exterior/Roof	Cranes	2	8.00	231	0.29
Site and Building #1 - Structural/Building Exterior/Roof	Forklifts	6	8.00	89	0.20
Site and Building #1 - Structural/Building Exterior/Roof	Generator Sets	2	8.00	84	0.74
Site and Building #1 - Structural/Building Exterior/Roof	Other Construction Equipment	4	8.00	172	0.42
Site and Building #1 - Structural/Building Exterior/Roof	Pumps	4	8.00	84	0.74
Site and Building #1 - Structural/Building Exterior/Roof	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site and Building #1 - Structural/Building Exterior/Roof	Welders	4	8.00	46	0.45
Site and Building #1 - ROMP01	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP01	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP01	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP01	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP01	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP01	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP01	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP01	Welders	3	8.00	46	0.45
Site and Building #1 - Paving	Excavators	2	8.00	158	0.38
Site and Building #1 - Paving	Graders	2	8.00	187	0.41
Site and Building #1 - Paving	Pavers	2	8.00	130	0.42
Site and Building #1 - Paving	Paving Equipment	2	8.00	132	0.36
Site and Building #1 - Paving	Plate Compactors	2	8.00	8	0.43
Site and Building #1 - Paving	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - Paving	Rollers	2	8.00	80	0.38
Site and Building #1 - Paving	Rubber Tired Dozers	2	8.00	247	0.40
Site and Building #1 - Paving	Scrapers	2	8.00	367	0.48
Site and Building #1 - Paving	Tractors/Loaders/Backhoes	2	8.00	97	0.37

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

Site and Building #1 - ROMP02		0		0	
Site and Building #1 - ROMP02	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP02	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP02	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP02	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP02	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP02	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP02	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Site and Building #1 - ROMP02	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP01 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP03	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP03	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP03	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP03	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP03	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP03	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP03	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP03	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP02 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP04	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP04	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP04	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP04	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP04	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP04	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP04	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP04	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP03 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP05	Air Compressors	0	8.00	78	0.48

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

Site and Building #1 - ROMP05	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP05	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP05	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP05	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP05	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP05	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP05	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP04 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP06	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP06	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP06	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP06	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP06	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP06	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP06	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP06	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP05 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP07	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP07	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP07	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP07	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP07	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP07	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP07	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP07	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP06 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP08	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP08	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP08	Forklifts	4	8.00	89	0.20

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

Site and Building #1 - ROMP08	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP08	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP08	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP08	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP08	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP07 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP09	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP09	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP09	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP09	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP09	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP09	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP09	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP09	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP08 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP10	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP10	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP10	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP10	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP10	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP10	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP10	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP10	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP09 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP11	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP11	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP11	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP11	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP11	Pressure Washers	2	8.00	13	0.30

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

Site and Building #1 - ROMP11	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP11	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP11	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP10 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP12	Air Compressors	0	8.00	78	0.48
Site and Building #1 - ROMP12	Cranes	2	8.00	231	0.29
Site and Building #1 - ROMP12	Forklifts	4	8.00	89	0.20
Site and Building #1 - ROMP12	Generator Sets	2	8.00	84	0.74
Site and Building #1 - ROMP12	Pressure Washers	2	8.00	13	0.30
Site and Building #1 - ROMP12	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #1 - ROMP12	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #1 - ROMP12	Welders	3	8.00	46	0.45
Site and Building #1 - ROMP11 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #1 - ROMP12 ArcCoa	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site and Building #1 - Site Preparation	12	30.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - Grading	18	45.00	0.00	13,125.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - Foundation	22	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - Structural/Building Ext	27	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP01	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - Paving	20	50.00	0.00	356.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP02	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP01 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP03	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP02 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

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

Site and Building #1 - ROMP04	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP03 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP05	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP04 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP06	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP05 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP07	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP06 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP08	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP07 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP09	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP08 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP10	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP09 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP11	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP10 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP12	14	157.00	61.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP11 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #1 - ROMP12 ArcCoa	1	31.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

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

3.2 Site and Building #1 - Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0233	0.0000	0.0233	2.5200e-003	0.0000	2.5200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0239	0.2320	0.2523	5.2000e-004		9.6700e-003	9.6700e-003		8.9000e-003	8.9000e-003	0.0000	45.3274	45.3274	0.0147	0.0000	45.6939
Total	**0.0239**	**0.2320**	**0.2523**	**5.2000e-004**	**0.0233**	**9.6700e-003**	**0.0330**	**2.5200e-003**	**8.9000e-003**	**0.0114**	**0.0000**	**45.3274**	**45.3274**	**0.0147**	**0.0000**	**45.6939**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	2.6000e-004	3.4400e-003	1.0000e-005	1.3100e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.9644	0.9644	3.0000e-005	3.0000e-005	0.9728
Total	**3.9000e-004**	**2.6000e-004**	**3.4400e-003**	**1.0000e-005**	**1.3100e-003**	**1.0000e-005**	**1.3100e-003**	**3.5000e-004**	**1.0000e-005**	**3.5000e-004**	**0.0000**	**0.9644**	**0.9644**	**3.0000e-005**	**3.0000e-005**	**0.9728**

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

3.2 Site and Building #1 - Site Preparation - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0105	0.0000	0.0105	1.1300e-003	0.0000	1.1300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0239	0.2320	0.2523	5.2000e-004		9.6700e-003	9.6700e-003		8.9000e-003	8.9000e-003	0.0000	45.3273	45.3273	0.0147	0.0000	45.6938
Total	**0.0239**	**0.2320**	**0.2523**	**5.2000e-004**	**0.0105**	**9.6700e-003**	**0.0202**	**1.1300e-003**	**8.9000e-003**	**0.0100**	**0.0000**	**45.3273**	**45.3273**	**0.0147**	**0.0000**	**45.6938**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	2.6000e-004	3.4400e-003	1.0000e-005	1.3100e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.9644	0.9644	3.0000e-005	3.0000e-005	0.9728
Total	**3.9000e-004**	**2.6000e-004**	**3.4400e-003**	**1.0000e-005**	**1.3100e-003**	**1.0000e-005**	**1.3100e-003**	**3.5000e-004**	**1.0000e-005**	**3.5000e-004**	**0.0000**	**0.9644**	**0.9644**	**3.0000e-005**	**3.0000e-005**	**0.9728**

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

3.3 Site and Building #1 - Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3515	0.0000	0.3515	0.1580	0.0000	0.1580	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1026	1.0510	0.8147	1.8600e-003		0.0439	0.0439		0.0404	0.0404	0.0000	162.9979	162.9979	0.0527	0.0000	164.3158
Total	**0.1026**	**1.0510**	**0.8147**	**1.8600e-003**	**0.3515**	**0.0439**	**0.3955**	**0.1580**	**0.0404**	**0.1985**	**0.0000**	**162.9979**	**162.9979**	**0.0527**	**0.0000**	**164.3158**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0137	0.8928	0.2084	3.9000e-003	0.1114	7.2900e-003	0.1187	0.0306	6.9700e-003	0.0376	0.0000	386.7706	386.7706	0.0133	0.0613	405.3773
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5800e-003	1.0500e-003	0.0141	4.0000e-005	5.3500e-003	3.0000e-005	5.3800e-003	1.4200e-003	2.0000e-005	1.4500e-003	0.0000	3.9453	3.9453	1.1000e-004	1.1000e-004	3.9796
Total	**0.0153**	**0.8938**	**0.2225**	**3.9400e-003**	**0.1167**	**7.3200e-003**	**0.1240**	**0.0321**	**6.9900e-003**	**0.0391**	**0.0000**	**390.7159**	**390.7159**	**0.0134**	**0.0614**	**409.3568**

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

3.3 Site and Building #1 - Grading - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1582	0.0000	0.1582	0.0711	0.0000	0.0711	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1026	1.0510	0.8147	1.8600e-003		0.0439	0.0439		0.0404	0.0404	0.0000	162.9977	162.9977	0.0527	0.0000	164.3156
Total	**0.1026**	**1.0510**	**0.8147**	**1.8600e-003**	**0.1582**	**0.0439**	**0.2021**	**0.0711**	**0.0404**	**0.1115**	**0.0000**	**162.9977**	**162.9977**	**0.0527**	**0.0000**	**164.3156**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0137	0.8928	0.2084	3.9000e-003	0.1114	7.2900e-003	0.1187	0.0306	6.9700e-003	0.0376	0.0000	386.7706	386.7706	0.0133	0.0613	405.3773
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5800e-003	1.0500e-003	0.0141	4.0000e-005	5.3500e-003	3.0000e-005	5.3800e-003	1.4200e-003	2.0000e-005	1.4500e-003	0.0000	3.9453	3.9453	1.1000e-004	1.1000e-004	3.9796
Total	**0.0153**	**0.8938**	**0.2225**	**3.9400e-003**	**0.1167**	**7.3200e-003**	**0.1240**	**0.0321**	**6.9900e-003**	**0.0391**	**0.0000**	**390.7159**	**390.7159**	**0.0134**	**0.0614**	**409.3568**

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

3.4 Site and Building #1 - Foundation - 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	0.2415	2.1414	2.9830	6.1200e-003		0.0969	0.0969		0.0914	0.0914	0.0000	531.6496	531.6496	0.1367	0.0000	535.0663
Total	**0.2415**	**2.1414**	**2.9830**	**6.1200e-003**		**0.0969**	**0.0969**		**0.0914**	**0.0914**	**0.0000**	**531.6496**	**531.6496**	**0.1367**	**0.0000**	**535.0663**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.2700e-003	0.1325	0.0425	5.9000e-004	0.0191	7.7000e-004	0.0198	5.5100e-003	7.3000e-004	6.2500e-003	0.0000	57.1465	57.1465	1.2100e-003	8.3900e-003	59.6757
Worker	0.0193	0.0128	0.1717	5.3000e-004	0.0654	3.1000e-004	0.0657	0.0174	2.8000e-004	0.0177	0.0000	48.1769	48.1769	1.3000e-003	1.2900e-003	48.5948
Total	**0.0226**	**0.1453**	**0.2142**	**1.1200e-003**	**0.0844**	**1.0800e-003**	**0.0855**	**0.0229**	**1.0100e-003**	**0.0239**	**0.0000**	**105.3234**	**105.3234**	**2.5100e-003**	**9.6800e-003**	**108.2704**

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

3.4 Site and Building #1 - Foundation - 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	0.2415	2.1414	2.9830	6.1200e-003		0.0969	0.0969		0.0914	0.0914	0.0000	531.6490	531.6490	0.1367	0.0000	535.0657
Total	**0.2415**	**2.1414**	**2.9830**	**6.1200e-003**		**0.0969**	**0.0969**		**0.0914**	**0.0914**	**0.0000**	**531.6490**	**531.6490**	**0.1367**	**0.0000**	**535.0657**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.2700e-003	0.1325	0.0425	5.9000e-004	0.0191	7.7000e-004	0.0198	5.5100e-003	7.3000e-004	6.2500e-003	0.0000	57.1465	57.1465	1.2100e-003	8.3900e-003	59.6757
Worker	0.0193	0.0128	0.1717	5.3000e-004	0.0654	3.1000e-004	0.0657	0.0174	2.8000e-004	0.0177	0.0000	48.1769	48.1769	1.3000e-003	1.2900e-003	48.5948
Total	**0.0226**	**0.1453**	**0.2142**	**1.1200e-003**	**0.0844**	**1.0800e-003**	**0.0855**	**0.0229**	**1.0100e-003**	**0.0239**	**0.0000**	**105.3234**	**105.3234**	**2.5100e-003**	**9.6800e-003**	**108.2704**

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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 Site and Building #1 - Structural/Building Exterior/Roof - 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	0.1702	1.4700	1.7630	3.0300e-003		0.0679	0.0679		0.0648	0.0648	0.0000	257.7510	257.7510	0.0486	0.0000	258.9662
Total	**0.1702**	**1.4700**	**1.7630**	**3.0300e-003**		**0.0679**	**0.0679**		**0.0648**	**0.0648**	**0.0000**	**257.7510**	**257.7510**	**0.0486**	**0.0000**	**258.9662**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8700e-003	0.0757	0.0243	3.4000e-004	0.0109	4.4000e-004	0.0113	3.1500e-003	4.2000e-004	3.5700e-003	0.0000	32.6552	32.6552	6.9000e-004	4.7900e-003	34.1004
Worker	0.0110	7.3300e-003	0.0981	3.0000e-004	0.0374	1.8000e-004	0.0375	9.9300e-003	1.6000e-004	0.0101	0.0000	27.5297	27.5297	7.4000e-004	7.4000e-004	27.7684
Total	**0.0129**	**0.0830**	**0.1224**	**6.4000e-004**	**0.0483**	**6.2000e-004**	**0.0489**	**0.0131**	**5.8000e-004**	**0.0137**	**0.0000**	**60.1848**	**60.1848**	**1.4300e-003**	**5.5300e-003**	**61.8688**

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

3.5 Site and Building #1 - Structural/Building Exterior/Roof - 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	0.1702	1.4700	1.7630	3.0300e-003		0.0679	0.0679		0.0648	0.0648	0.0000	257.7507	257.7507	0.0486	0.0000	258.9659
Total	**0.1702**	**1.4700**	**1.7630**	**3.0300e-003**		**0.0679**	**0.0679**		**0.0648**	**0.0648**	**0.0000**	**257.7507**	**257.7507**	**0.0486**	**0.0000**	**258.9659**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8700e-003	0.0757	0.0243	3.4000e-004	0.0109	4.4000e-004	0.0113	3.1500e-003	4.2000e-004	3.5700e-003	0.0000	32.6552	32.6552	6.9000e-004	4.7900e-003	34.1004
Worker	0.0110	7.3300e-003	0.0981	3.0000e-004	0.0374	1.8000e-004	0.0375	9.9300e-003	1.6000e-004	0.0101	0.0000	27.5297	27.5297	7.4000e-004	7.4000e-004	27.7684
Total	**0.0129**	**0.0830**	**0.1224**	**6.4000e-004**	**0.0483**	**6.2000e-004**	**0.0489**	**0.0131**	**5.8000e-004**	**0.0137**	**0.0000**	**60.1848**	**60.1848**	**1.4300e-003**	**5.5300e-003**	**61.8688**

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

3.6 Site and Building #1 - ROMP01 - 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	0.0605	0.5164	0.5364	9.9000e-004		0.0231	0.0231		0.0220	0.0220	0.0000	83.1988	83.1988	0.0161	0.0000	83.6008
Total	**0.0605**	**0.5164**	**0.5364**	**9.9000e-004**		**0.0231**	**0.0231**		**0.0220**	**0.0220**	**0.0000**	**83.1988**	**83.1988**	**0.0161**	**0.0000**	**83.6008**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4600e-003	0.0593	0.0190	2.6000e-004	8.5300e-003	3.4000e-004	8.8800e-003	2.4700e-003	3.3000e-004	2.8000e-003	0.0000	25.5799	25.5799	5.4000e-004	3.7500e-003	26.7120
Worker	8.6400e-003	5.7400e-003	0.0769	2.4000e-004	0.0293	1.4000e-004	0.0294	7.7800e-003	1.3000e-004	7.9100e-003	0.0000	21.5649	21.5649	5.8000e-004	5.8000e-004	21.7519
Total	**0.0101**	**0.0650**	**0.0959**	**5.0000e-004**	**0.0378**	**4.8000e-004**	**0.0383**	**0.0103**	**4.6000e-004**	**0.0107**	**0.0000**	**47.1448**	**47.1448**	**1.1200e-003**	**4.3300e-003**	**48.4639**

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

3.6 Site and Building #1 - ROMP01 - 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	0.0605	0.5164	0.5364	9.9000e-004		0.0231	0.0231		0.0220	0.0220	0.0000	83.1987	83.1987	0.0161	0.0000	83.6007
Total	**0.0605**	**0.5164**	**0.5364**	**9.9000e-004**		**0.0231**	**0.0231**		**0.0220**	**0.0220**	**0.0000**	**83.1987**	**83.1987**	**0.0161**	**0.0000**	**83.6007**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4600e-003	0.0593	0.0190	2.6000e-004	8.5300e-003	3.4000e-004	8.8800e-003	2.4700e-003	3.3000e-004	2.8000e-003	0.0000	25.5799	25.5799	5.4000e-004	3.7500e-003	26.7120
Worker	8.6400e-003	5.7400e-003	0.0769	2.4000e-004	0.0293	1.4000e-004	0.0294	7.7800e-003	1.3000e-004	7.9100e-003	0.0000	21.5649	21.5649	5.8000e-004	5.8000e-004	21.7519
Total	**0.0101**	**0.0650**	**0.0959**	**5.0000e-004**	**0.0378**	**4.8000e-004**	**0.0383**	**0.0103**	**4.6000e-004**	**0.0107**	**0.0000**	**47.1448**	**47.1448**	**1.1200e-003**	**4.3300e-003**	**48.4639**

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

3.6 Site and Building #1 - ROMP01 - 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	0.0469	0.3993	0.4420	8.2000e-004		0.0169	0.0169		0.0161	0.0161	0.0000	69.0380	69.0380	0.0132	0.0000	69.3676
Total	**0.0469**	**0.3993**	**0.4420**	**8.2000e-004**		**0.0169**	**0.0169**		**0.0161**	**0.0161**	**0.0000**	**69.0380**	**69.0380**	**0.0132**	**0.0000**	**69.3676**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1900e-003	0.0490	0.0156	2.1000e-004	7.0800e-003	2.8000e-004	7.3700e-003	2.0500e-003	2.7000e-004	2.3200e-003	0.0000	20.8660	20.8660	4.4000e-004	3.0600e-003	21.7877
Worker	6.7500e-003	4.3000e-003	0.0598	1.9000e-004	0.0243	1.1000e-004	0.0244	6.4600e-003	1.0000e-004	6.5600e-003	0.0000	17.3022	17.3022	4.4000e-004	4.5000e-004	17.4474
Total	**7.9400e-003**	**0.0533**	**0.0754**	**4.0000e-004**	**0.0314**	**3.9000e-004**	**0.0318**	**8.5100e-003**	**3.7000e-004**	**8.8800e-003**	**0.0000**	**38.1682**	**38.1682**	**8.8000e-004**	**3.5100e-003**	**39.2351**

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

3.6 Site and Building #1 - ROMP01 - 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	0.0469	0.3993	0.4420	8.2000e-004		0.0169	0.0169		0.0161	0.0161	0.0000	69.0379	69.0379	0.0132	0.0000	69.3675
Total	**0.0469**	**0.3993**	**0.4420**	**8.2000e-004**		**0.0169**	**0.0169**		**0.0161**	**0.0161**	**0.0000**	**69.0379**	**69.0379**	**0.0132**	**0.0000**	**69.3675**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1900e-003	0.0490	0.0156	2.1000e-004	7.0800e-003	2.8000e-004	7.3700e-003	2.0500e-003	2.7000e-004	2.3200e-003	0.0000	20.8660	20.8660	4.4000e-004	3.0600e-003	21.7877
Worker	6.7500e-003	4.3000e-003	0.0598	1.9000e-004	0.0243	1.1000e-004	0.0244	6.4600e-003	1.0000e-004	6.5600e-003	0.0000	17.3022	17.3022	4.4000e-004	4.5000e-004	17.4474
Total	**7.9400e-003**	**0.0533**	**0.0754**	**4.0000e-004**	**0.0314**	**3.9000e-004**	**0.0318**	**8.5100e-003**	**3.7000e-004**	**8.8800e-003**	**0.0000**	**38.1682**	**38.1682**	**8.8000e-004**	**3.5100e-003**	**39.2351**

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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 Site and Building #1 - Paving - 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	0.1220	1.2213	1.0809	2.3000e-003		0.0519	0.0519		0.0478	0.0478	0.0000	200.6858	200.6858	0.0642	0.0000	202.2917
Paving	2.2900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1243**	**1.2213**	**1.0809**	**2.3000e-003**		**0.0519**	**0.0519**		**0.0478**	**0.0478**	**0.0000**	**200.6858**	**200.6858**	**0.0642**	**0.0000**	**202.2917**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8000e-004	0.0120	2.8000e-003	5.0000e-005	1.4900e-003	1.0000e-004	1.5900e-003	4.1000e-004	9.0000e-005	5.0000e-004	0.0000	5.1877	5.1877	1.8000e-004	8.2000e-004	5.4373
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6300e-003	1.7500e-003	0.0234	7.0000e-005	8.9200e-003	4.0000e-005	8.9600e-003	2.3700e-003	4.0000e-005	2.4100e-003	0.0000	6.5756	6.5756	1.8000e-004	1.8000e-004	6.6326
Total	**2.8100e-003**	**0.0137**	**0.0262**	**1.2000e-004**	**0.0104**	**1.4000e-004**	**0.0106**	**2.7800e-003**	**1.3000e-004**	**2.9100e-003**	**0.0000**	**11.7633**	**11.7633**	**3.6000e-004**	**1.0000e-003**	**12.0699**

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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 Site and Building #1 - Paving - 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	0.1220	1.2213	1.0809	2.3000e-003		0.0519	0.0519		0.0478	0.0478	0.0000	200.6856	200.6856	0.0642	0.0000	202.2915
Paving	2.2900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1243**	**1.2213**	**1.0809**	**2.3000e-003**		**0.0519**	**0.0519**		**0.0478**	**0.0478**	**0.0000**	**200.6856**	**200.6856**	**0.0642**	**0.0000**	**202.2915**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8000e-004	0.0120	2.8000e-003	5.0000e-005	1.4900e-003	1.0000e-004	1.5900e-003	4.1000e-004	9.0000e-005	5.0000e-004	0.0000	5.1877	5.1877	1.8000e-004	8.2000e-004	5.4373
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6300e-003	1.7500e-003	0.0234	7.0000e-005	8.9200e-003	4.0000e-005	8.9600e-003	2.3700e-003	4.0000e-005	2.4100e-003	0.0000	6.5756	6.5756	1.8000e-004	1.8000e-004	6.6326
Total	**2.8100e-003**	**0.0137**	**0.0262**	**1.2000e-004**	**0.0104**	**1.4000e-004**	**0.0106**	**2.7800e-003**	**1.3000e-004**	**2.9100e-003**	**0.0000**	**11.7633**	**11.7633**	**3.6000e-004**	**1.0000e-003**	**12.0699**

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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 Site and Building #1 - Paving - 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	0.1087	1.0495	1.0209	2.2500e-003		0.0439	0.0439		0.0405	0.0405	0.0000	196.1751	196.1751	0.0628	0.0000	197.7448
Paving	2.2400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1109**	**1.0495**	**1.0209**	**2.2500e-003**		**0.0439**	**0.0439**		**0.0405**	**0.0405**	**0.0000**	**196.1751**	**196.1751**	**0.0628**	**0.0000**	**197.7448**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8000e-004	0.0116	2.7500e-003	5.0000e-005	1.4600e-003	1.0000e-004	1.5600e-003	4.0000e-004	9.0000e-005	4.9000e-004	0.0000	4.9747	4.9747	1.7000e-004	7.9000e-004	5.2141
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4300e-003	1.5400e-003	0.0215	7.0000e-005	8.7200e-003	4.0000e-005	8.7600e-003	2.3200e-003	4.0000e-005	2.3600e-003	0.0000	6.2167	6.2167	1.6000e-004	1.6000e-004	6.2689
Total	**2.6100e-003**	**0.0132**	**0.0242**	**1.2000e-004**	**0.0102**	**1.4000e-004**	**0.0103**	**2.7200e-003**	**1.3000e-004**	**2.8500e-003**	**0.0000**	**11.1914**	**11.1914**	**3.3000e-004**	**9.5000e-004**	**11.4830**

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

3.7 Site and Building #1 - Paving - 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	0.1087	1.0495	1.0208	2.2500e-003		0.0439	0.0439		0.0405	0.0405	0.0000	196.1749	196.1749	0.0628	0.0000	197.7446
Paving	2.2400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1109**	**1.0495**	**1.0208**	**2.2500e-003**		**0.0439**	**0.0439**		**0.0405**	**0.0405**	**0.0000**	**196.1749**	**196.1749**	**0.0628**	**0.0000**	**197.7446**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8000e-004	0.0116	2.7500e-003	5.0000e-005	1.4600e-003	1.0000e-004	1.5600e-003	4.0000e-004	9.0000e-005	4.9000e-004	0.0000	4.9747	4.9747	1.7000e-004	7.9000e-004	5.2141
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4300e-003	1.5400e-003	0.0215	7.0000e-005	8.7200e-003	4.0000e-005	8.7600e-003	2.3200e-003	4.0000e-005	2.3600e-003	0.0000	6.2167	6.2167	1.6000e-004	1.6000e-004	6.2689
Total	**2.6100e-003**	**0.0132**	**0.0242**	**1.2000e-004**	**0.0102**	**1.4000e-004**	**0.0103**	**2.7200e-003**	**1.3000e-004**	**2.8500e-003**	**0.0000**	**11.1914**	**11.1914**	**3.3000e-004**	**9.5000e-004**	**11.4830**

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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 Site and Building #1 - ROMP02 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1600e-003	0.0892	0.0283	3.9000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	5.0000e-004	4.2200e-003	0.0000	37.9868	37.9868	8.1000e-004	5.5600e-003	39.6647
Worker	0.0123	7.8200e-003	0.1089	3.4000e-004	0.0442	2.0000e-004	0.0444	0.0118	1.8000e-004	0.0119	0.0000	31.4988	31.4988	8.0000e-004	8.2000e-004	31.7633
Total	**0.0145**	**0.0970**	**0.1372**	**7.3000e-004**	**0.0571**	**7.2000e-004**	**0.0578**	**0.0155**	**6.8000e-004**	**0.0162**	**0.0000**	**69.4856**	**69.4856**	**1.6100e-003**	**6.3800e-003**	**71.4280**

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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 Site and Building #1 - ROMP02 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6844	125.6844	0.0240	0.0000	126.2844
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6844**	**125.6844**	**0.0240**	**0.0000**	**126.2844**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1600e-003	0.0892	0.0283	3.9000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	5.0000e-004	4.2200e-003	0.0000	37.9868	37.9868	8.1000e-004	5.5600e-003	39.6647
Worker	0.0123	7.8200e-003	0.1089	3.4000e-004	0.0442	2.0000e-004	0.0444	0.0118	1.8000e-004	0.0119	0.0000	31.4988	31.4988	8.0000e-004	8.2000e-004	31.7633
Total	**0.0145**	**0.0970**	**0.1372**	**7.3000e-004**	**0.0571**	**7.2000e-004**	**0.0578**	**0.0155**	**6.8000e-004**	**0.0162**	**0.0000**	**69.4856**	**69.4856**	**1.6100e-003**	**6.3800e-003**	**71.4280**

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

3.9 Site and Building #1 - ROMP01 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

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

3.9 Site and Building #1 - ROMP01 ArcCoa - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

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

3.10 Site and Building #1 - ROMP03 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1600e-003	0.0892	0.0283	3.9000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	5.0000e-004	4.2200e-003	0.0000	37.9868	37.9868	8.1000e-004	5.5600e-003	39.6647
Worker	0.0123	7.8200e-003	0.1089	3.4000e-004	0.0442	2.0000e-004	0.0444	0.0118	1.8000e-004	0.0119	0.0000	31.4988	31.4988	8.0000e-004	8.2000e-004	31.7633
Total	**0.0145**	**0.0970**	**0.1372**	**7.3000e-004**	**0.0571**	**7.2000e-004**	**0.0578**	**0.0155**	**6.8000e-004**	**0.0162**	**0.0000**	**69.4856**	**69.4856**	**1.6100e-003**	**6.3800e-003**	**71.4280**

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

3.10 Site and Building #1 - ROMP03 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6844	125.6844	0.0240	0.0000	126.2844
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6844**	**125.6844**	**0.0240**	**0.0000**	**126.2844**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1600e-003	0.0892	0.0283	3.9000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	5.0000e-004	4.2200e-003	0.0000	37.9868	37.9868	8.1000e-004	5.5600e-003	39.6647
Worker	0.0123	7.8200e-003	0.1089	3.4000e-004	0.0442	2.0000e-004	0.0444	0.0118	1.8000e-004	0.0119	0.0000	31.4988	31.4988	8.0000e-004	8.2000e-004	31.7633
Total	**0.0145**	**0.0970**	**0.1372**	**7.3000e-004**	**0.0571**	**7.2000e-004**	**0.0578**	**0.0155**	**6.8000e-004**	**0.0162**	**0.0000**	**69.4856**	**69.4856**	**1.6100e-003**	**6.3800e-003**	**71.4280**

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

3.11 Site and Building #1 - ROMP02 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

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

3.11 Site and Building #1 - ROMP02 ArcCoa - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

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

3.12 Site and Building #1 - ROMP04 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1600e-003	0.0892	0.0283	3.9000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	5.0000e-004	4.2200e-003	0.0000	37.9868	37.9868	8.1000e-004	5.5600e-003	39.6647
Worker	0.0123	7.8200e-003	0.1089	3.4000e-004	0.0442	2.0000e-004	0.0444	0.0118	1.8000e-004	0.0119	0.0000	31.4988	31.4988	8.0000e-004	8.2000e-004	31.7633
Total	**0.0145**	**0.0970**	**0.1372**	**7.3000e-004**	**0.0571**	**7.2000e-004**	**0.0578**	**0.0155**	**6.8000e-004**	**0.0162**	**0.0000**	**69.4856**	**69.4856**	**1.6100e-003**	**6.3800e-003**	**71.4280**

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

3.12 Site and Building #1 - ROMP04 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6844	125.6844	0.0240	0.0000	126.2844
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6844**	**125.6844**	**0.0240**	**0.0000**	**126.2844**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1600e-003	0.0892	0.0283	3.9000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	5.0000e-004	4.2200e-003	0.0000	37.9868	37.9868	8.1000e-004	5.5600e-003	39.6647
Worker	0.0123	7.8200e-003	0.1089	3.4000e-004	0.0442	2.0000e-004	0.0444	0.0118	1.8000e-004	0.0119	0.0000	31.4988	31.4988	8.0000e-004	8.2000e-004	31.7633
Total	**0.0145**	**0.0970**	**0.1372**	**7.3000e-004**	**0.0571**	**7.2000e-004**	**0.0578**	**0.0155**	**6.8000e-004**	**0.0162**	**0.0000**	**69.4856**	**69.4856**	**1.6100e-003**	**6.3800e-003**	**71.4280**

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

3.13 Site and Building #1 - ROMP03 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

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

3.13 Site and Building #1 - ROMP03 ArcCoa - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

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

3.14 Site and Building #1 - ROMP05 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1600e-003	0.0892	0.0283	3.9000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	5.0000e-004	4.2200e-003	0.0000	37.9868	37.9868	8.1000e-004	5.5600e-003	39.6647
Worker	0.0123	7.8200e-003	0.1089	3.4000e-004	0.0442	2.0000e-004	0.0444	0.0118	1.8000e-004	0.0119	0.0000	31.4988	31.4988	8.0000e-004	8.2000e-004	31.7633
Total	**0.0145**	**0.0970**	**0.1372**	**7.3000e-004**	**0.0571**	**7.2000e-004**	**0.0578**	**0.0155**	**6.8000e-004**	**0.0162**	**0.0000**	**69.4856**	**69.4856**	**1.6100e-003**	**6.3800e-003**	**71.4280**

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

3.14 Site and Building #1 - ROMP05 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6844	125.6844	0.0240	0.0000	126.2844
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6844**	**125.6844**	**0.0240**	**0.0000**	**126.2844**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1600e-003	0.0892	0.0283	3.9000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	5.0000e-004	4.2200e-003	0.0000	37.9868	37.9868	8.1000e-004	5.5600e-003	39.6647
Worker	0.0123	7.8200e-003	0.1089	3.4000e-004	0.0442	2.0000e-004	0.0444	0.0118	1.8000e-004	0.0119	0.0000	31.4988	31.4988	8.0000e-004	8.2000e-004	31.7633
Total	**0.0145**	**0.0970**	**0.1372**	**7.3000e-004**	**0.0571**	**7.2000e-004**	**0.0578**	**0.0155**	**6.8000e-004**	**0.0162**	**0.0000**	**69.4856**	**69.4856**	**1.6100e-003**	**6.3800e-003**	**71.4280**

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

3.15 Site and Building #1 - ROMP04 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

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

3.15 Site and Building #1 - ROMP04 ArcCoa - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

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

3.16 Site and Building #1 - ROMP06 - 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	0.0517	0.4403	0.4873	9.1000e-004		0.0186	0.0186		0.0177	0.0177	0.0000	76.1188	76.1188	0.0145	0.0000	76.4822
Total	**0.0517**	**0.4403**	**0.4873**	**9.1000e-004**		**0.0186**	**0.0186**		**0.0177**	**0.0177**	**0.0000**	**76.1188**	**76.1188**	**0.0145**	**0.0000**	**76.4822**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3100e-003	0.0540	0.0172	2.4000e-004	7.8100e-003	3.1000e-004	8.1200e-003	2.2600e-003	3.0000e-004	2.5600e-003	0.0000	23.0061	23.0061	4.9000e-004	3.3700e-003	24.0223
Worker	7.4500e-003	4.7400e-003	0.0659	2.1000e-004	0.0268	1.2000e-004	0.0269	7.1200e-003	1.1000e-004	7.2300e-003	0.0000	19.0768	19.0768	4.9000e-004	5.0000e-004	19.2369
Total	**8.7600e-003**	**0.0588**	**0.0831**	**4.5000e-004**	**0.0346**	**4.3000e-004**	**0.0350**	**9.3800e-003**	**4.1000e-004**	**9.7900e-003**	**0.0000**	**42.0828**	**42.0828**	**9.8000e-004**	**3.8700e-003**	**43.2592**

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

3.16 Site and Building #1 - ROMP06 - 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	0.0517	0.4403	0.4873	9.1000e-004		0.0186	0.0186		0.0177	0.0177	0.0000	76.1187	76.1187	0.0145	0.0000	76.4821
Total	**0.0517**	**0.4403**	**0.4873**	**9.1000e-004**		**0.0186**	**0.0186**		**0.0177**	**0.0177**	**0.0000**	**76.1187**	**76.1187**	**0.0145**	**0.0000**	**76.4821**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3100e-003	0.0540	0.0172	2.4000e-004	7.8100e-003	3.1000e-004	8.1200e-003	2.2600e-003	3.0000e-004	2.5600e-003	0.0000	23.0061	23.0061	4.9000e-004	3.3700e-003	24.0223
Worker	7.4500e-003	4.7400e-003	0.0659	2.1000e-004	0.0268	1.2000e-004	0.0269	7.1200e-003	1.1000e-004	7.2300e-003	0.0000	19.0768	19.0768	4.9000e-004	5.0000e-004	19.2369
Total	**8.7600e-003**	**0.0588**	**0.0831**	**4.5000e-004**	**0.0346**	**4.3000e-004**	**0.0350**	**9.3800e-003**	**4.1000e-004**	**9.7900e-003**	**0.0000**	**42.0828**	**42.0828**	**9.8000e-004**	**3.8700e-003**	**43.2592**

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

3.16 Site and Building #1 - ROMP06 - 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	0.0337	0.2867	0.3173	5.9000e-004		0.0121	0.0121		0.0115	0.0115	0.0000	49.5658	49.5658	9.4600e-003	0.0000	49.8024
Total	**0.0337**	**0.2867**	**0.3173**	**5.9000e-004**		**0.0121**	**0.0121**		**0.0115**	**0.0115**	**0.0000**	**49.5658**	**49.5658**	**9.4600e-003**	**0.0000**	**49.8024**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.4000e-004	0.0350	0.0110	1.5000e-004	5.0800e-003	2.0000e-004	5.2900e-003	1.4700e-003	1.9000e-004	1.6700e-003	0.0000	14.7159	14.7159	3.2000e-004	2.1500e-003	15.3646
Worker	4.5900e-003	2.8100e-003	0.0406	1.3000e-004	0.0174	7.0000e-005	0.0175	4.6400e-003	7.0000e-005	4.7100e-003	0.0000	12.0458	12.0458	2.9000e-004	3.1000e-004	12.1442
Total	**5.4300e-003**	**0.0378**	**0.0516**	**2.8000e-004**	**0.0225**	**2.7000e-004**	**0.0228**	**6.1100e-003**	**2.6000e-004**	**6.3800e-003**	**0.0000**	**26.7617**	**26.7617**	**6.1000e-004**	**2.4600e-003**	**27.5088**

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

3.16 Site and Building #1 - ROMP06 - 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	0.0337	0.2867	0.3173	5.9000e-004		0.0121	0.0121		0.0115	0.0115	0.0000	49.5657	49.5657	9.4600e-003	0.0000	49.8023
Total	**0.0337**	**0.2867**	**0.3173**	**5.9000e-004**		**0.0121**	**0.0121**		**0.0115**	**0.0115**	**0.0000**	**49.5657**	**49.5657**	**9.4600e-003**	**0.0000**	**49.8023**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.4000e-004	0.0350	0.0110	1.5000e-004	5.0800e-003	2.0000e-004	5.2900e-003	1.4700e-003	1.9000e-004	1.6700e-003	0.0000	14.7159	14.7159	3.2000e-004	2.1500e-003	15.3646
Worker	4.5900e-003	2.8100e-003	0.0406	1.3000e-004	0.0174	7.0000e-005	0.0175	4.6400e-003	7.0000e-005	4.7100e-003	0.0000	12.0458	12.0458	2.9000e-004	3.1000e-004	12.1442
Total	**5.4300e-003**	**0.0378**	**0.0516**	**2.8000e-004**	**0.0225**	**2.7000e-004**	**0.0228**	**6.1100e-003**	**2.6000e-004**	**6.3800e-003**	**0.0000**	**26.7617**	**26.7617**	**6.1000e-004**	**2.4600e-003**	**27.5088**

GBGF - Phase 1 Option 1 - Santa Clara County, Annual

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

3.17 Site and Building #1 - ROMP05 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

GBGF - Phase 1 Option 1 - Santa Clara County, Annual

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

3.17 Site and Building #1 - ROMP05 ArcCoa - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	4.0000e-005	6.1000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1752	0.1752	0.0000	0.0000	0.1767
Total	**7.0000e-005**	**4.0000e-005**	**6.1000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1752**	**0.1752**	**0.0000**	**0.0000**	**0.1767**

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

3.18 Site and Building #1 - ROMP07 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1200e-003	0.0886	0.0280	3.8000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	4.9000e-004	4.2200e-003	0.0000	37.3154	37.3154	8.0000e-004	5.4500e-003	38.9603
Worker	0.0116	7.1300e-003	0.1028	3.3000e-004	0.0442	1.9000e-004	0.0444	0.0118	1.7000e-004	0.0119	0.0000	30.5447	30.5447	7.3000e-004	7.8000e-004	30.7942
Total	**0.0138**	**0.0958**	**0.1308**	**7.1000e-004**	**0.0571**	**7.1000e-004**	**0.0578**	**0.0155**	**6.6000e-004**	**0.0162**	**0.0000**	**67.8600**	**67.8600**	**1.5300e-003**	**6.2300e-003**	**69.7545**

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

3.18 Site and Building #1 - ROMP07 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6844	125.6844	0.0240	0.0000	126.2844
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6844**	**125.6844**	**0.0240**	**0.0000**	**126.2844**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1200e-003	0.0886	0.0280	3.8000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	4.9000e-004	4.2200e-003	0.0000	37.3154	37.3154	8.0000e-004	5.4500e-003	38.9603
Worker	0.0116	7.1300e-003	0.1028	3.3000e-004	0.0442	1.9000e-004	0.0444	0.0118	1.7000e-004	0.0119	0.0000	30.5447	30.5447	7.3000e-004	7.8000e-004	30.7942
Total	**0.0138**	**0.0958**	**0.1308**	**7.1000e-004**	**0.0571**	**7.1000e-004**	**0.0578**	**0.0155**	**6.6000e-004**	**0.0162**	**0.0000**	**67.8600**	**67.8600**	**1.5300e-003**	**6.2300e-003**	**69.7545**

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

3.19 Site and Building #1 - ROMP06 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

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

3.19 Site and Building #1 - ROMP06 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

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

3.20 Site and Building #1 - ROMP08 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1200e-003	0.0886	0.0280	3.8000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	4.9000e-004	4.2200e-003	0.0000	37.3154	37.3154	8.0000e-004	5.4500e-003	38.9603
Worker	0.0116	7.1300e-003	0.1028	3.3000e-004	0.0442	1.9000e-004	0.0444	0.0118	1.7000e-004	0.0119	0.0000	30.5447	30.5447	7.3000e-004	7.8000e-004	30.7942
Total	**0.0138**	**0.0958**	**0.1308**	**7.1000e-004**	**0.0571**	**7.1000e-004**	**0.0578**	**0.0155**	**6.6000e-004**	**0.0162**	**0.0000**	**67.8600**	**67.8600**	**1.5300e-003**	**6.2300e-003**	**69.7545**

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

3.20 Site and Building #1 - ROMP08 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6844	125.6844	0.0240	0.0000	126.2844
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6844**	**125.6844**	**0.0240**	**0.0000**	**126.2844**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1200e-003	0.0886	0.0280	3.8000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	4.9000e-004	4.2200e-003	0.0000	37.3154	37.3154	8.0000e-004	5.4500e-003	38.9603
Worker	0.0116	7.1300e-003	0.1028	3.3000e-004	0.0442	1.9000e-004	0.0444	0.0118	1.7000e-004	0.0119	0.0000	30.5447	30.5447	7.3000e-004	7.8000e-004	30.7942
Total	**0.0138**	**0.0958**	**0.1308**	**7.1000e-004**	**0.0571**	**7.1000e-004**	**0.0578**	**0.0155**	**6.6000e-004**	**0.0162**	**0.0000**	**67.8600**	**67.8600**	**1.5300e-003**	**6.2300e-003**	**69.7545**

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

3.21 Site and Building #1 - ROMP07 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

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

3.21 Site and Building #1 - ROMP07 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

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

3.22 Site and Building #1 - ROMP09 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1200e-003	0.0886	0.0280	3.8000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	4.9000e-004	4.2200e-003	0.0000	37.3154	37.3154	8.0000e-004	5.4500e-003	38.9603
Worker	0.0116	7.1300e-003	0.1028	3.3000e-004	0.0442	1.9000e-004	0.0444	0.0118	1.7000e-004	0.0119	0.0000	30.5447	30.5447	7.3000e-004	7.8000e-004	30.7942
Total	**0.0138**	**0.0958**	**0.1308**	**7.1000e-004**	**0.0571**	**7.1000e-004**	**0.0578**	**0.0155**	**6.6000e-004**	**0.0162**	**0.0000**	**67.8600**	**67.8600**	**1.5300e-003**	**6.2300e-003**	**69.7545**

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

3.22 Site and Building #1 - ROMP09 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6844	125.6844	0.0240	0.0000	126.2844
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6844**	**125.6844**	**0.0240**	**0.0000**	**126.2844**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1200e-003	0.0886	0.0280	3.8000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	4.9000e-004	4.2200e-003	0.0000	37.3154	37.3154	8.0000e-004	5.4500e-003	38.9603
Worker	0.0116	7.1300e-003	0.1028	3.3000e-004	0.0442	1.9000e-004	0.0444	0.0118	1.7000e-004	0.0119	0.0000	30.5447	30.5447	7.3000e-004	7.8000e-004	30.7942
Total	**0.0138**	**0.0958**	**0.1308**	**7.1000e-004**	**0.0571**	**7.1000e-004**	**0.0578**	**0.0155**	**6.6000e-004**	**0.0162**	**0.0000**	**67.8600**	**67.8600**	**1.5300e-003**	**6.2300e-003**	**69.7545**

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

3.23 Site and Building #1 - ROMP08 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

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

3.23 Site and Building #1 - ROMP08 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

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

3.24 Site and Building #1 - ROMP10 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1200e-003	0.0886	0.0280	3.8000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	4.9000e-004	4.2200e-003	0.0000	37.3154	37.3154	8.0000e-004	5.4500e-003	38.9603
Worker	0.0116	7.1300e-003	0.1028	3.3000e-004	0.0442	1.9000e-004	0.0444	0.0118	1.7000e-004	0.0119	0.0000	30.5447	30.5447	7.3000e-004	7.8000e-004	30.7942
Total	**0.0138**	**0.0958**	**0.1308**	**7.1000e-004**	**0.0571**	**7.1000e-004**	**0.0578**	**0.0155**	**6.6000e-004**	**0.0162**	**0.0000**	**67.8600**	**67.8600**	**1.5300e-003**	**6.2300e-003**	**69.7545**

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

3.24 Site and Building #1 - ROMP10 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6844	125.6844	0.0240	0.0000	126.2844
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6844**	**125.6844**	**0.0240**	**0.0000**	**126.2844**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1200e-003	0.0886	0.0280	3.8000e-004	0.0129	5.2000e-004	0.0134	3.7300e-003	4.9000e-004	4.2200e-003	0.0000	37.3154	37.3154	8.0000e-004	5.4500e-003	38.9603
Worker	0.0116	7.1300e-003	0.1028	3.3000e-004	0.0442	1.9000e-004	0.0444	0.0118	1.7000e-004	0.0119	0.0000	30.5447	30.5447	7.3000e-004	7.8000e-004	30.7942
Total	**0.0138**	**0.0958**	**0.1308**	**7.1000e-004**	**0.0571**	**7.1000e-004**	**0.0578**	**0.0155**	**6.6000e-004**	**0.0162**	**0.0000**	**67.8600**	**67.8600**	**1.5300e-003**	**6.2300e-003**	**69.7545**

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

3.25 Site and Building #1 - ROMP09 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

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

3.25 Site and Building #1 - ROMP09 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

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

3.26 Site and Building #1 - ROMP11 - 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	0.0650	0.5529	0.6119	1.1400e-003		0.0234	0.0234		0.0222	0.0222	0.0000	95.5911	95.5911	0.0183	0.0000	96.0474
Total	**0.0650**	**0.5529**	**0.6119**	**1.1400e-003**		**0.0234**	**0.0234**		**0.0222**	**0.0222**	**0.0000**	**95.5911**	**95.5911**	**0.0183**	**0.0000**	**96.0474**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6100e-003	0.0674	0.0213	2.9000e-004	9.8100e-003	3.9000e-004	0.0102	2.8400e-003	3.8000e-004	3.2100e-003	0.0000	28.3807	28.3807	6.1000e-004	4.1500e-003	29.6318
Worker	8.8500e-003	5.4200e-003	0.0782	2.5000e-004	0.0336	1.4000e-004	0.0338	8.9400e-003	1.3000e-004	9.0700e-003	0.0000	23.2312	23.2312	5.6000e-004	5.9000e-004	23.4210
Total	**0.0105**	**0.0728**	**0.0995**	**5.4000e-004**	**0.0434**	**5.3000e-004**	**0.0440**	**0.0118**	**5.1000e-004**	**0.0123**	**0.0000**	**51.6119**	**51.6119**	**1.1700e-003**	**4.7400e-003**	**53.0527**

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

3.26 Site and Building #1 - ROMP11 - 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	0.0650	0.5529	0.6119	1.1400e-003		0.0234	0.0234		0.0222	0.0222	0.0000	95.5910	95.5910	0.0183	0.0000	96.0473
Total	**0.0650**	**0.5529**	**0.6119**	**1.1400e-003**		**0.0234**	**0.0234**		**0.0222**	**0.0222**	**0.0000**	**95.5910**	**95.5910**	**0.0183**	**0.0000**	**96.0473**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6100e-003	0.0674	0.0213	2.9000e-004	9.8100e-003	3.9000e-004	0.0102	2.8400e-003	3.8000e-004	3.2100e-003	0.0000	28.3807	28.3807	6.1000e-004	4.1500e-003	29.6318
Worker	8.8500e-003	5.4200e-003	0.0782	2.5000e-004	0.0336	1.4000e-004	0.0338	8.9400e-003	1.3000e-004	9.0700e-003	0.0000	23.2312	23.2312	5.6000e-004	5.9000e-004	23.4210
Total	**0.0105**	**0.0728**	**0.0995**	**5.4000e-004**	**0.0434**	**5.3000e-004**	**0.0440**	**0.0118**	**5.1000e-004**	**0.0123**	**0.0000**	**51.6119**	**51.6119**	**1.1700e-003**	**4.7400e-003**	**53.0527**

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

3.26 Site and Building #1 - ROMP11 - 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	0.0205	0.1741	0.1927	3.6000e-004		7.3600e-003	7.3600e-003		7.0000e-003	7.0000e-003	0.0000	30.0935	30.0935	5.7500e-003	0.0000	30.2372
Total	**0.0205**	**0.1741**	**0.1927**	**3.6000e-004**		**7.3600e-003**	**7.3600e-003**		**7.0000e-003**	**7.0000e-003**	**0.0000**	**30.0935**	**30.0935**	**5.7500e-003**	**0.0000**	**30.2372**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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-004	0.0211	6.6200e-003	9.0000e-005	3.0900e-003	1.2000e-004	3.2100e-003	8.9000e-004	1.2000e-004	1.0100e-003	0.0000	8.7591	8.7591	1.9000e-004	1.2800e-003	9.1445
Worker	2.6400e-003	1.5700e-003	0.0234	8.0000e-005	0.0106	4.0000e-005	0.0106	2.8100e-003	4.0000e-005	2.8500e-003	0.0000	7.1066	7.1066	1.6000e-004	1.8000e-004	7.1634
Total	**3.1400e-003**	**0.0226**	**0.0300**	**1.7000e-004**	**0.0137**	**1.6000e-004**	**0.0138**	**3.7000e-003**	**1.6000e-004**	**3.8600e-003**	**0.0000**	**15.8657**	**15.8657**	**3.5000e-004**	**1.4600e-003**	**16.3079**

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

3.26 Site and Building #1 - ROMP11 - 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	0.0205	0.1741	0.1927	3.6000e-004		7.3600e-003	7.3600e-003		7.0000e-003	7.0000e-003	0.0000	30.0935	30.0935	5.7500e-003	0.0000	30.2371
Total	**0.0205**	**0.1741**	**0.1927**	**3.6000e-004**		**7.3600e-003**	**7.3600e-003**		**7.0000e-003**	**7.0000e-003**	**0.0000**	**30.0935**	**30.0935**	**5.7500e-003**	**0.0000**	**30.2371**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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-004	0.0211	6.6200e-003	9.0000e-005	3.0900e-003	1.2000e-004	3.2100e-003	8.9000e-004	1.2000e-004	1.0100e-003	0.0000	8.7591	8.7591	1.9000e-004	1.2800e-003	9.1445
Worker	2.6400e-003	1.5700e-003	0.0234	8.0000e-005	0.0106	4.0000e-005	0.0106	2.8100e-003	4.0000e-005	2.8500e-003	0.0000	7.1066	7.1066	1.6000e-004	1.8000e-004	7.1634
Total	**3.1400e-003**	**0.0226**	**0.0300**	**1.7000e-004**	**0.0137**	**1.6000e-004**	**0.0138**	**3.7000e-003**	**1.6000e-004**	**3.8600e-003**	**0.0000**	**15.8657**	**15.8657**	**3.5000e-004**	**1.4600e-003**	**16.3079**

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

3.27 Site and Building #1 - ROMP10 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

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

3.27 Site and Building #1 - ROMP10 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.7000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1699	0.1699	0.0000	0.0000	0.1713
Total	**6.0000e-005**	**4.0000e-005**	**5.7000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1699**	**0.1699**	**0.0000**	**0.0000**	**0.1713**

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

3.28 Site and Building #1 - ROMP12 - 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	4.8100e-003	0.0410	0.0453	8.0000e-005		1.7300e-003	1.7300e-003		1.6500e-003	1.6500e-003	0.0000	7.0808	7.0808	1.3500e-003	0.0000	7.1146
Total	**4.8100e-003**	**0.0410**	**0.0453**	**8.0000e-005**		**1.7300e-003**	**1.7300e-003**		**1.6500e-003**	**1.6500e-003**	**0.0000**	**7.0808**	**7.0808**	**1.3500e-003**	**0.0000**	**7.1146**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2000e-004	4.9900e-003	1.5800e-003	2.0000e-005	7.3000e-004	3.0000e-005	7.6000e-004	2.1000e-004	3.0000e-005	2.4000e-004	0.0000	2.1023	2.1023	5.0000e-005	3.1000e-004	2.1949
Worker	6.6000e-004	4.0000e-004	5.7900e-003	2.0000e-005	2.4900e-003	1.0000e-005	2.5000e-003	6.6000e-004	1.0000e-005	6.7000e-004	0.0000	1.7208	1.7208	4.0000e-005	4.0000e-005	1.7349
Total	**7.8000e-004**	**5.3900e-003**	**7.3700e-003**	**4.0000e-005**	**3.2200e-003**	**4.0000e-005**	**3.2600e-003**	**8.7000e-004**	**4.0000e-005**	**9.1000e-004**	**0.0000**	**3.8231**	**3.8231**	**9.0000e-005**	**3.5000e-004**	**3.9298**

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

3.28 Site and Building #1 - ROMP12 - 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	4.8100e-003	0.0410	0.0453	8.0000e-005		1.7300e-003	1.7300e-003		1.6500e-003	1.6500e-003	0.0000	7.0808	7.0808	1.3500e-003	0.0000	7.1146
Total	**4.8100e-003**	**0.0410**	**0.0453**	**8.0000e-005**		**1.7300e-003**	**1.7300e-003**		**1.6500e-003**	**1.6500e-003**	**0.0000**	**7.0808**	**7.0808**	**1.3500e-003**	**0.0000**	**7.1146**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2000e-004	4.9900e-003	1.5800e-003	2.0000e-005	7.3000e-004	3.0000e-005	7.6000e-004	2.1000e-004	3.0000e-005	2.4000e-004	0.0000	2.1023	2.1023	5.0000e-005	3.1000e-004	2.1949
Worker	6.6000e-004	4.0000e-004	5.7900e-003	2.0000e-005	2.4900e-003	1.0000e-005	2.5000e-003	6.6000e-004	1.0000e-005	6.7000e-004	0.0000	1.7208	1.7208	4.0000e-005	4.0000e-005	1.7349
Total	**7.8000e-004**	**5.3900e-003**	**7.3700e-003**	**4.0000e-005**	**3.2200e-003**	**4.0000e-005**	**3.2600e-003**	**8.7000e-004**	**4.0000e-005**	**9.1000e-004**	**0.0000**	**3.8231**	**3.8231**	**9.0000e-005**	**3.5000e-004**	**3.9298**

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

3.28 Site and Building #1 - ROMP12 - 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	0.0806	0.6860	0.7593	1.4100e-003		0.0290	0.0290		0.0276	0.0276	0.0000	118.6038	118.6038	0.0227	0.0000	119.1699
Total	**0.0806**	**0.6860**	**0.7593**	**1.4100e-003**		**0.0290**	**0.0290**		**0.0276**	**0.0276**	**0.0000**	**118.6038**	**118.6038**	**0.0227**	**0.0000**	**119.1699**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9700e-003	0.0830	0.0261	3.5000e-004	0.0122	4.8000e-004	0.0127	3.5200e-003	4.6000e-004	3.9800e-003	0.0000	34.5210	34.5210	7.4000e-004	5.0400e-003	36.0401
Worker	0.0104	6.1800e-003	0.0922	3.1000e-004	0.0417	1.7000e-004	0.0419	0.0111	1.6000e-004	0.0113	0.0000	28.0084	28.0084	6.4000e-004	7.0000e-004	28.2320
Total	**0.0124**	**0.0892**	**0.1183**	**6.6000e-004**	**0.0539**	**6.5000e-004**	**0.0545**	**0.0146**	**6.2000e-004**	**0.0152**	**0.0000**	**62.5294**	**62.5294**	**1.3800e-003**	**5.7400e-003**	**64.2721**

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

3.28 Site and Building #1 - ROMP12 - 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	0.0806	0.6860	0.7593	1.4100e-003		0.0290	0.0290		0.0276	0.0276	0.0000	118.6036	118.6036	0.0227	0.0000	119.1698
Total	**0.0806**	**0.6860**	**0.7593**	**1.4100e-003**		**0.0290**	**0.0290**		**0.0276**	**0.0276**	**0.0000**	**118.6036**	**118.6036**	**0.0227**	**0.0000**	**119.1698**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9700e-003	0.0830	0.0261	3.5000e-004	0.0122	4.8000e-004	0.0127	3.5200e-003	4.6000e-004	3.9800e-003	0.0000	34.5210	34.5210	7.4000e-004	5.0400e-003	36.0401
Worker	0.0104	6.1800e-003	0.0922	3.1000e-004	0.0417	1.7000e-004	0.0419	0.0111	1.6000e-004	0.0113	0.0000	28.0084	28.0084	6.4000e-004	7.0000e-004	28.2320
Total	**0.0124**	**0.0892**	**0.1183**	**6.6000e-004**	**0.0539**	**6.5000e-004**	**0.0545**	**0.0146**	**6.2000e-004**	**0.0152**	**0.0000**	**62.5294**	**62.5294**	**1.3800e-003**	**5.7400e-003**	**64.2721**

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

3.29 Site and Building #1 - ROMP11 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.4000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1651	0.1651	0.0000	0.0000	0.1664
Total	**6.0000e-005**	**4.0000e-005**	**5.4000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1651**	**0.1651**	**0.0000**	**0.0000**	**0.1664**

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

3.29 Site and Building #1 - ROMP11 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.4000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1651	0.1651	0.0000	0.0000	0.1664
Total	**6.0000e-005**	**4.0000e-005**	**5.4000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1651**	**0.1651**	**0.0000**	**0.0000**	**0.1664**

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

3.30 Site and Building #1 - ROMP12 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.4000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1651	0.1651	0.0000	0.0000	0.1664
Total	**6.0000e-005**	**4.0000e-005**	**5.4000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1651**	**0.1651**	**0.0000**	**0.0000**	**0.1664**

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

3.30 Site and Building #1 - ROMP12 ArcCoa - 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	1.1819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1820**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.4000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1651	0.1651	0.0000	0.0000	0.1664
Total	**6.0000e-005**	**4.0000e-005**	**5.4000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1651**	**0.1651**	**0.0000**	**0.0000**	**0.1664**

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1448	0.2041	1.7895	4.4800e-003	0.5239	2.9800e-003	0.5269	0.1398	2.7700e-003	0.1426	0.0000	413.4315	413.4315	0.0196	0.0162	418.7494
Unmitigated	0.1448	0.2041	1.7895	4.4800e-003	0.5239	2.9800e-003	0.5269	0.1398	2.7700e-003	0.1426	0.0000	413.4315	413.4315	0.0196	0.0162	418.7494

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	218.30	218.30	218.30	1,417,692	1,417,692
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	218.30	218.30	218.30	1,417,692	1,417,692

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
General Light Industry	19.13	6.60	19.13	90.50	0.00	9.50	92	5	3
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	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
Parking Lot	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

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 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					
General Light Industry	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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**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

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					
General Light Industry	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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	4.3362e +008	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	4744.25	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			
General Light Industry	4.3362e +008	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	4744.25	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

Use Low VOC Cleaning Supplies

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	0.9252	3.0000e-005	3.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.6900e-003	6.6900e-003	2.0000e-005	0.0000	7.1200e-003
Unmitigated	0.9896	3.0000e-005	3.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.6900e-003	6.6900e-003	2.0000e-005	0.0000	7.1200e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1182					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8711					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.2000e-004	3.0000e-005	3.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.6900e-003	6.6900e-003	2.0000e-005	0.0000	7.1200e-003
Total	**0.9896**	**3.0000e-005**	**3.4300e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**6.6900e-003**	**6.6900e-003**	**2.0000e-005**	**0.0000**	**7.1200e-003**

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	0.1182					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8067					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.2000e-004	3.0000e-005	3.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.6900e-003	6.6900e-003	2.0000e-005	0.0000	7.1200e-003
Total	**0.9252**	**3.0000e-005**	**3.4300e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**6.6900e-003**	**6.6900e-003**	**2.0000e-005**	**0.0000**	**7.1200e-003**

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 Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	16.1770	1.6615	0.0392	69.4065
Unmitigated	16.1770	1.6615	0.0392	69.4065

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	50.9906 / 0	16.1770	1.6615	0.0392	69.4065
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**16.1770**	**1.6615**	**0.0392**	**69.4065**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	50.9906 / 0	16.1770	1.6615	0.0392	69.4065
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**16.1770**	**1.6615**	**0.0392**	**69.4065**

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	55.5018	3.2801	0.0000	137.5033
Unmitigated	55.5018	3.2801	0.0000	137.5033

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	273.42	55.5018	3.2801	0.0000	137.5033
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**55.5018**	**3.2801**	**0.0000**	**137.5033**

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			
General Light Industry	273.42	55.5018	3.2801	0.0000	137.5033
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**55.5018**	**3.2801**	**0.0000**	**137.5033**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

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

11.0 Vegetation

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

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	218.00	1000sqft	5.00	218,000.00	0
Other Asphalt Surfaces	70.16	1000sqft	1.61	70,156.00	0
Parking Lot	6.78	1000sqft	0.16	6,777.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2027
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 - 100% carbon-free electricity will be purchased.

Land Use - Per construction data provided by client.

Construction Phase - Per construction data provided by client.

Off-road Equipment - Per construction data provided by client, including Concrete Vibrator.

Off-road Equipment - Per construction data provided by the client.

Off-road Equipment - Per construction data provided by the client.

Off-road Equipment - Per construction data provided by the client.

Off-road Equipment - Per construction data provided by the client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by the client.

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

Off-road Equipment -

Off-road Equipment - Per construction data provided by the client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by the client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by the client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by the client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by the client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by the client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by the client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by the client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by the client.

Off-road Equipment - Per construction data provided by the client.

Trips and VMT - Based on import and export volumes during construction.

Grading - Based on previously inputted construction data provided by client.

Vehicle Trips - Trip rate and trip length per Gilroy Data Center Project VMT Analysis (Hexagon, 2023).

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Energy Use - 49.5MWhr per day. No proposed NG usage.

Construction Off-road Equipment Mitigation - Updated to Tier 3 as a mitigation measure. Additional fugitive dust mitigation measures per BAAQMD CEQA Guidelines.

Mobile Commute Mitigation -

Area Mitigation -

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

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	22.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	12.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	46.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	22.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	22.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	13.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	34.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

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

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	20.00	2.00
tblConstructionPhase	NumDays	20.00	2.00
tblConstructionPhase	NumDays	20.00	2.00
tblConstructionPhase	NumDays	20.00	2.00
tblConstructionPhase	NumDays	20.00	2.00
tblConstructionPhase	NumDays	20.00	2.00
tblConstructionPhase	NumDays	20.00	2.00
tblConstructionPhase	NumDays	20.00	2.00
tblConstructionPhase	NumDays	20.00	2.00
tblConstructionPhase	NumDays	20.00	2.00
tblConstructionPhase	NumDays	230.00	71.00
tblConstructionPhase	NumDays	230.00	71.00
tblConstructionPhase	NumDays	230.00	71.00
tblConstructionPhase	NumDays	230.00	71.00
tblConstructionPhase	NumDays	230.00	71.00
tblConstructionPhase	NumDays	230.00	71.00
tblConstructionPhase	NumDays	230.00	71.00
tblConstructionPhase	NumDays	230.00	105.00

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

tblConstructionPhase	NumDays	230.00	60.00
tblConstructionPhase	NumDays	230.00	86.00
tblConstructionPhase	NumDays	230.00	71.00
tblConstructionPhase	NumDays	230.00	71.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	20.00	91.00
tblConstructionPhase	NumDays	10.00	11.00
tblEnergyUse	LightingElect	3.08	756.34
tblEnergyUse	NT24E	3.70	908.59
tblEnergyUse	NT24NG	6.67	0.00
tblEnergyUse	T24E	1.32	324.15
tblEnergyUse	T24NG	19.51	0.00
tblGrading	AcresOfGrading	180.00	135.00
tblGrading	MaterialImported	0.00	105,000.00
tblLandUse	LandUseSquareFeet	70,160.00	70,156.00
tblLandUse	LandUseSquareFeet	6,780.00	6,777.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	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 Not 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	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

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

tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0
tblProjectCharacteristics	CO2IntensityFactor	203.98	0
tblProjectCharacteristics	N2OIntensityFactor	0.004	0
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripNumber	0.00	178.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TL	6.60	19.13
tblVehicleTrips	CNW_TTP	13.00	9.50
tblVehicleTrips	CW_TL	14.70	19.13
tblVehicleTrips	CW_TTP	59.00	90.50
tblVehicleTrips	ST_TR	1.99	0.99
tblVehicleTrips	SU_TR	5.00	0.99
tblVehicleTrips	WD_TR	4.96	0.99

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

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					
2026	0.1689	2.3335	1.7501	7.3000e-003	0.5007	0.0669	0.5676	0.1955	0.0622	0.2576	0.0000	683.3357	683.3357	0.1029	0.0602	703.8506
2027	3.1205	7.1152	8.6285	0.0187	0.2163	0.2919	0.5082	0.0586	0.2746	0.3331	0.0000	1,632.5208	1,632.5208	0.3496	0.0220	1,647.8003
2028	3.8121	2.9688	3.3400	7.5500e-003	0.1675	0.1159	0.2834	0.0454	0.1103	0.1557	0.0000	655.8478	655.8478	0.0930	0.0173	663.3298
2029	4.9661	2.9882	3.3556	7.5600e-003	0.1690	0.1168	0.2858	0.0458	0.1111	0.1569	0.0000	656.7481	656.7481	0.0936	0.0170	664.1472
2030	1.1921	0.2515	0.4305	1.0800e-003	0.0224	4.5000e-003	0.0269	6.0800e-003	4.4900e-003	0.0106	0.0000	92.6967	92.6967	3.3200e-003	2.1900e-003	93.4334
Maximum	**4.9661**	**7.1152**	**8.6285**	**0.0187**	**0.5007**	**0.2919**	**0.5676**	**0.1955**	**0.2746**	**0.3331**	**0.0000**	**1,632.5208**	**1,632.5208**	**0.3496**	**0.0602**	**1,647.8003**

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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					
2026	0.0912	1.8943	2.0556	7.3000e-003	0.2962	0.0573	0.3535	0.1074	0.0564	0.1638	0.0000	683.3353	683.3353	0.1029	0.0602	703.8503
2027	2.7036	5.7076	9.1141	0.0177	0.2163	0.3050	0.5212	0.0586	0.3025	0.3610	0.0000	1,555.2942	1,555.2942	0.3423	0.0220	1,570.3903
2028	3.5766	1.7870	2.9738	6.4000e-003	0.1675	0.1049	0.2724	0.0454	0.1048	0.1502	0.0000	572.2678	572.2678	0.0851	0.0173	579.5513
2029	4.7287	1.7977	2.9866	6.4000e-003	0.1690	0.1058	0.2747	0.0458	0.1057	0.1515	0.0000	572.5326	572.5326	0.0856	0.0170	579.7316
2030	1.1682	0.2378	0.3942	9.2000e-004	0.0224	0.0140	0.0364	6.0800e-003	0.0140	0.0201	0.0000	81.5739	81.5739	2.5100e-003	2.1900e-003	82.2903
Maximum	**4.7287**	**5.7076**	**9.1141**	**0.0177**	**0.2962**	**0.3050**	**0.5212**	**0.1074**	**0.3025**	**0.3610**	**0.0000**	**1,555.2942**	**1,555.2942**	**0.3423**	**0.0602**	**1,570.3903**

	ROG	NOx	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	**7.48**	**27.03**	**-0.11**	**8.39**	**19.01**	**1.53**	**12.78**	**25.06**	**-3.68**	**7.37**	**0.00**	**6.88**	**6.88**	**3.75**	**0.00**	**6.81**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**11-2-2026**	**2-1-2027**	2.9141	2.4528
2	**2-2-2027**	**5-1-2027**	1.7389	1.7716
3	**5-2-2027**	**8-1-2027**	32.0598	31.1395
4	**8-2-2027**	**11-1-2027**	41.0793	40.3586
5	**11-2-2027**	**2-1-2028**	37.9401	37.5853
6	**2-2-2028**	**5-1-2028**	39.1560	38.8090
7	**5-2-2028**	**8-1-2028**	39.9952	39.6405

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

8	**8-2-2028**	**11-1-2028**	32.9895	32.6342
9	**11-2-2028**	**2-1-2029**	15.2673	14.9105
10	**2-2-2029**	**5-1-2029**	38.3209	37.9777
11	**5-2-2029**	**8-1-2029**	39.1602	38.8093
12	**8-2-2029**	**11-1-2029**	39.9953	39.6406
13	**11-2-2029**	**2-1-2030**	19.2858	19.0315
14	**2-2-2030**	**5-1-2030**	7.9306	7.9203
		Highest	41.0793	40.3586

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	0.9719	2.0000e-005	2.7000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.2700e-003	5.2700e-003	1.0000e-005	0.0000	5.6100e-003
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	0.1349	0.1821	1.6494	4.1800e-003	0.5179	2.7000e-003	0.5206	0.1382	2.5100e-003	0.1408	0.0000	385.7208	385.7208	0.0182	0.0150	390.6417
Waste						0.0000	0.0000		0.0000	0.0000	54.8725	0.0000	54.8725	3.2429	0.0000	135.9443
Water						0.0000	0.0000		0.0000	0.0000	15.9936	0.0000	15.9936	1.6427	0.0388	68.6195
Total	**1.1068**	**0.1822**	**1.6521**	**4.1800e-003**	**0.5179**	**2.7100e-003**	**0.5206**	**0.1382**	**2.5200e-003**	**0.1408**	**70.8661**	**385.7261**	**456.5922**	**4.9037**	**0.0538**	**595.2112**

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	0.9082	2.0000e-005	2.7000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.2700e-003	5.2700e-003	1.0000e-005	0.0000	5.6100e-003
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	0.1349	0.1821	1.6494	4.1800e-003	0.5179	2.7000e-003	0.5206	0.1382	2.5100e-003	0.1408	0.0000	385.7208	385.7208	0.0182	0.0150	390.6417
Waste						0.0000	0.0000		0.0000	0.0000	54.8725	0.0000	54.8725	3.2429	0.0000	135.9443
Water						0.0000	0.0000		0.0000	0.0000	15.9936	0.0000	15.9936	1.6427	0.0388	68.6195
Total	**1.0431**	**0.1822**	**1.6521**	**4.1800e-003**	**0.5179**	**2.7100e-003**	**0.5206**	**0.1382**	**2.5200e-003**	**0.1408**	**70.8661**	**385.7261**	**456.5922**	**4.9037**	**0.0538**	**595.2112**

	ROG	NOx	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	**5.75**	**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	Site and Building #2 - Site Preparation	Site Preparation	11/2/2026	11/16/2026	5	11	
2	Site and Building #2 - Grading	Grading	11/2/2026	12/11/2026	5	30	
3	Site and Building #2 - Foundation	Building Construction	12/9/2026	5/4/2027	5	105	

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

4	Site and Building #2 - Structural/Building Exterior/Roof	Building Construction	4/14/2027	7/6/2027	5	60	
5	Site and Building #2 - ROMP01	Building Construction	5/24/2027	9/20/2027	5	86	
6	Site and Building #2 - Paving	Paving	5/26/2027	9/27/2027	5	91	
7	Site and Building #2 - ROMP02	Building Construction	9/20/2027	12/27/2027	5	71	
8	Site and Building #2 - ROMP01 ArcCoa	Architectural Coating	9/21/2027	9/22/2027	5	2	
9	Site and Building #2 - ROMP03	Building Construction	12/27/2027	4/3/2028	5	71	
10	Site and Building #2 - ROMP02 ArcCoa	Architectural Coating	12/28/2027	12/29/2027	5	2	
11	Site and Building #2 - ROMP04	Building Construction	4/3/2028	7/10/2028	5	71	
12	Site and Building #2 - ROMP03 ArcCoa	Architectural Coating	4/4/2028	4/5/2028	5	2	
13	Site and Building #2 - ROMP05	Building Construction	7/10/2028	10/16/2028	5	71	
14	Site and Building #2 - ROMP04 ArcCoa	Architectural Coating	7/11/2028	7/12/2028	5	2	
15	Site and Building #2 - ROMP07	Building Construction	10/16/2028	1/22/2029	5	71	
16	Site and Building #2 - ROMP05 ArcCoa	Architectural Coating	10/17/2028	10/18/2028	5	2	
17	Site and Building #2 - ROMP08	Building Construction	1/22/2029	4/30/2029	5	71	
18	Site and Building #2 - ROMP07 ArcCoa	Architectural Coating	1/23/2029	1/24/2029	5	2	
19	Site and Building #2 - ROMP09	Building Construction	4/30/2029	8/6/2029	5	71	
20	Site and Building #2 - ROMP08 ArcCoa	Architectural Coating	5/1/2029	5/2/2029	5	2	
21	Site and Building #2 - ROMP10	Building Construction	8/6/2029	11/12/2029	5	71	
22	Site and Building #2 - ROMP09 ArcCoa	Architectural Coating	8/7/2029	8/8/2029	5	2	
23	Site and Building #2 - ROMP11	Building Construction	11/12/2029	2/18/2030	5	71	
24	Site and Building #2 - ROMP10 ArcCoa	Architectural Coating	11/13/2029	11/14/2029	5	2	
25	Site and Building #2 - ROMP11 ArcCoa	Architectural Coating	2/19/2030	2/20/2030	5	2	

Acres of Grading (Site Preparation Phase): 44

Acres of Grading (Grading Phase): 135

Acres of Paving: 1.77

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

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 327,000; Non-Residential Outdoor: 109,000; Striped Parking Area: 4,616 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site and Building #2 - Site Preparation	Concrete/Industrial Saws	0	8.00	81	0.73
Site and Building #2 - Site Preparation	Excavators	4	8.00	158	0.38
Site and Building #2 - Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site and Building #2 - Site Preparation	Scrapers	4	8.00	367	0.48
Site and Building #2 - Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site and Building #2 - Grading	Excavators	3	8.00	158	0.38
Site and Building #2 - Grading	Graders	3	8.00	187	0.41
Site and Building #2 - Grading	Rollers	3	8.00	80	0.38
Site and Building #2 - Grading	Rubber Tired Dozers	3	8.00	247	0.40
Site and Building #2 - Grading	Scrapers	3	8.00	367	0.48
Site and Building #2 - Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site and Building #2 - Foundation	Bore/Drill Rigs	4	8.00	221	0.50
Site and Building #2 - Foundation	Cement and Mortar Mixers	4	8.00	9	0.56
Site and Building #2 - Foundation	Cranes	0	8.00	231	0.29
Site and Building #2 - Foundation	Excavators	3	8.00	158	0.38
Site and Building #2 - Foundation	Forklifts	0	8.00	89	0.20
Site and Building #2 - Foundation	Generator Sets	0	8.00	84	0.74
Site and Building #2 - Foundation	Other Construction Equipment	4	8.00	172	0.42
Site and Building #2 - Foundation	Pumps	4	8.00	84	0.74
Site and Building #2 - Foundation	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site and Building #2 - Foundation	Welders	0	8.00	46	0.45
Site and Building #2 - Structural/Building Exterior/Roof	Cement and Mortar Mixers	4	8.00	9	0.56
Site and Building #2 - Structural/Building Exterior/Roof	Cranes	2	8.00	231	0.29
Site and Building #2 - Structural/Building Exterior/Roof	Forklifts	6	8.00	89	0.20

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

Site and Building #2 - Structural/Building Exterior/Roof	Generator Sets	2	8.00	84	0.74
Site and Building #2 - Structural/Building Exterior/Roof	Other Construction Equipment	4	8.00	172	0.42
Site and Building #2 - Structural/Building Exterior/Roof	Pumps	4	8.00	84	0.74
Site and Building #2 - Structural/Building Exterior/Roof	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site and Building #2 - Structural/Building Exterior/Roof	Welders	4	8.00	46	0.45
Site and Building #2 - ROMP01	Air Compressors	0	8.00	78	0.48
Site and Building #2 - ROMP01	Cranes	2	8.00	231	0.29
Site and Building #2 - ROMP01	Forklifts	4	8.00	89	0.20
Site and Building #2 - ROMP01	Generator Sets	2	8.00	84	0.74
Site and Building #2 - ROMP01	Pressure Washers	2	8.00	13	0.30
Site and Building #2 - ROMP01	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #2 - ROMP01	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #2 - ROMP01	Welders	3	8.00	46	0.45
Site and Building #2 - Paving	Excavators	2	8.00	158	0.38
Site and Building #2 - Paving	Graders	2	8.00	187	0.41
Site and Building #2 - Paving	Pavers	2	8.00	130	0.42
Site and Building #2 - Paving	Paving Equipment	2	8.00	132	0.36
Site and Building #2 - Paving	Plate Compactors	2	8.00	8	0.43
Site and Building #2 - Paving	Pressure Washers	2	8.00	13	0.30
Site and Building #2 - Paving	Rollers	2	8.00	80	0.38
Site and Building #2 - Paving	Rubber Tired Dozers	2	8.00	247	0.40
Site and Building #2 - Paving	Scrapers	2	8.00	367	0.48
Site and Building #2 - Paving	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site and Building #2 - ROMP02	Air Compressors	0	8.00	78	0.48
Site and Building #2 - ROMP02	Cranes	2	8.00	231	0.29
Site and Building #2 - ROMP02	Forklifts	4	8.00	89	0.20
Site and Building #2 - ROMP02	Generator Sets	2	8.00	84	0.74
Site and Building #2 - ROMP02	Pressure Washers	2	8.00	13	0.30

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

Site and Building #2 - ROMP02	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #2 - ROMP02	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #2 - ROMP02	Welders	3	8.00	46	0.45
Site and Building #2 - ROMP01 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #2 - ROMP03	Air Compressors	0	8.00	78	0.48
Site and Building #2 - ROMP03	Cranes	2	8.00	231	0.29
Site and Building #2 - ROMP03	Forklifts	4	8.00	89	0.20
Site and Building #2 - ROMP03	Generator Sets	2	8.00	84	0.74
Site and Building #2 - ROMP03	Pressure Washers	2	8.00	13	0.30
Site and Building #2 - ROMP03	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #2 - ROMP03	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #2 - ROMP03	Welders	3	8.00	46	0.45
Site and Building #2 - ROMP02 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #2 - ROMP04	Air Compressors	0	8.00	78	0.48
Site and Building #2 - ROMP04	Cranes	2	8.00	231	0.29
Site and Building #2 - ROMP04	Forklifts	4	8.00	89	0.20
Site and Building #2 - ROMP04	Generator Sets	2	8.00	84	0.74
Site and Building #2 - ROMP04	Pressure Washers	2	8.00	13	0.30
Site and Building #2 - ROMP04	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #2 - ROMP04	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #2 - ROMP04	Welders	3	8.00	46	0.45
Site and Building #2 - ROMP03 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #2 - ROMP05	Air Compressors	0	8.00	78	0.48
Site and Building #2 - ROMP05	Cranes	2	8.00	231	0.29
Site and Building #2 - ROMP05	Forklifts	4	8.00	89	0.20
Site and Building #2 - ROMP05	Generator Sets	2	8.00	84	0.74
Site and Building #2 - ROMP05	Pressure Washers	2	8.00	13	0.30
Site and Building #2 - ROMP05	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #2 - ROMP05	Tractors/Loaders/Backhoes	0	8.00	97	0.37

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

Site and Building #2 - ROMP05	Welders	3	8.00	46	0.45
Site and Building #2 - ROMP04 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #2 - ROMP07	Air Compressors	0	8.00	78	0.48
Site and Building #2 - ROMP07	Cranes	2	8.00	231	0.29
Site and Building #2 - ROMP07	Forklifts	4	8.00	89	0.20
Site and Building #2 - ROMP07	Generator Sets	2	8.00	84	0.74
Site and Building #2 - ROMP07	Pressure Washers	2	8.00	13	0.30
Site and Building #2 - ROMP07	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #2 - ROMP07	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #2 - ROMP07	Welders	3	8.00	46	0.45
Site and Building #2 - ROMP05 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #2 - ROMP08	Air Compressors	0	8.00	78	0.48
Site and Building #2 - ROMP08	Cranes	2	8.00	231	0.29
Site and Building #2 - ROMP08	Forklifts	4	8.00	89	0.20
Site and Building #2 - ROMP08	Generator Sets	2	8.00	84	0.74
Site and Building #2 - ROMP08	Pressure Washers	2	8.00	13	0.30
Site and Building #2 - ROMP08	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #2 - ROMP08	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #2 - ROMP08	Welders	3	8.00	46	0.45
Site and Building #2 - ROMP07 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #2 - ROMP09	Air Compressors	0	8.00	78	0.48
Site and Building #2 - ROMP09	Cranes	2	8.00	231	0.29
Site and Building #2 - ROMP09	Forklifts	4	8.00	89	0.20
Site and Building #2 - ROMP09	Generator Sets	2	8.00	84	0.74
Site and Building #2 - ROMP09	Pressure Washers	2	8.00	13	0.30
Site and Building #2 - ROMP09	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #2 - ROMP09	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #2 - ROMP09	Welders	3	8.00	46	0.45
Site and Building #2 - ROMP08 ArcCoa	Air Compressors	1	6.00	78	0.48

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

Site and Building #2 - ROMP10	Air Compressors	0	8.00	78	0.48
Site and Building #2 - ROMP10	Cranes	2	8.00	231	0.29
Site and Building #2 - ROMP10	Forklifts	4	8.00	89	0.20
Site and Building #2 - ROMP10	Generator Sets	2	8.00	84	0.74
Site and Building #2 - ROMP10	Pressure Washers	2	8.00	13	0.30
Site and Building #2 - ROMP10	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #2 - ROMP10	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #2 - ROMP10	Welders	3	8.00	46	0.45
Site and Building #2 - ROMP09 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #2 - ROMP11	Air Compressors	0	8.00	78	0.48
Site and Building #2 - ROMP11	Cranes	2	8.00	231	0.29
Site and Building #2 - ROMP11	Forklifts	4	8.00	89	0.20
Site and Building #2 - ROMP11	Generator Sets	2	8.00	84	0.74
Site and Building #2 - ROMP11	Pressure Washers	2	8.00	13	0.30
Site and Building #2 - ROMP11	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #2 - ROMP11	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #2 - ROMP11	Welders	3	8.00	46	0.45
Site and Building #2 - ROMP10 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #2 - ROMP11 ArcCoa	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site and Building #2 - Site Preparation	12	30.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - Grading	18	45.00	0.00	13,125.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - Foundation	22	124.00	48.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - Structural/Building Ext	27	124.00	48.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP01	14	124.00	48.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

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

Site and Building #2 - Paving	20	50.00	0.00	178.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP02	14	124.00	48.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP01 ArcCoa	1	25.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP03	14	124.00	48.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP02 ArcCoa	1	25.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP04	14	124.00	48.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP03 ArcCoa	1	25.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP05	14	124.00	48.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP04 ArcCoa	1	25.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP07	14	124.00	48.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP05 ArcCoa	1	25.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP08	14	124.00	48.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP07 ArcCoa	1	25.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP09	14	124.00	48.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP08 ArcCoa	1	25.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP10	14	124.00	48.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP09 ArcCoa	1	25.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP11	14	124.00	48.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP10 ArcCoa	1	25.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP11 ArcCoa	1	25.00	0.00	0.00	10.80	6.60	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

Reduce Vehicle Speed on Unpaved Roads

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

3.2 Site and Building #2 - Site Preparation - 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					0.0233	0.0000	0.0233	2.5200e-003	0.0000	2.5200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0214	0.1964	0.2391	5.2000e-004		8.0200e-003	8.0200e-003		7.3800e-003	7.3800e-003	0.0000	45.3156	45.3156	0.0147	0.0000	45.6820
Total	**0.0214**	**0.1964**	**0.2391**	**5.2000e-004**	**0.0233**	**8.0200e-003**	**0.0314**	**2.5200e-003**	**7.3800e-003**	**9.9000e-003**	**0.0000**	**45.3156**	**45.3156**	**0.0147**	**0.0000**	**45.6820**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-004	2.1000e-004	3.0400e-003	1.0000e-005	1.3100e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.9043	0.9043	2.0000e-005	2.0000e-005	0.9116
Total	**3.4000e-004**	**2.1000e-004**	**3.0400e-003**	**1.0000e-005**	**1.3100e-003**	**1.0000e-005**	**1.3100e-003**	**3.5000e-004**	**1.0000e-005**	**3.5000e-004**	**0.0000**	**0.9043**	**0.9043**	**2.0000e-005**	**2.0000e-005**	**0.9116**

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

3.2 Site and Building #2 - Site Preparation - 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					0.0105	0.0000	0.0105	1.1300e-003	0.0000	1.1300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.4500e-003	0.0828	0.2736	5.2000e-004		4.5400e-003	4.5400e-003		4.4300e-003	4.4300e-003	0.0000	45.3156	45.3156	0.0147	0.0000	45.6820
Total	**9.4500e-003**	**0.0828**	**0.2736**	**5.2000e-004**	**0.0105**	**4.5400e-003**	**0.0150**	**1.1300e-003**	**4.4300e-003**	**5.5600e-003**	**0.0000**	**45.3156**	**45.3156**	**0.0147**	**0.0000**	**45.6820**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-004	2.1000e-004	3.0400e-003	1.0000e-005	1.3100e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.9043	0.9043	2.0000e-005	2.0000e-005	0.9116
Total	**3.4000e-004**	**2.1000e-004**	**3.0400e-003**	**1.0000e-005**	**1.3100e-003**	**1.0000e-005**	**1.3100e-003**	**3.5000e-004**	**1.0000e-005**	**3.5000e-004**	**0.0000**	**0.9043**	**0.9043**	**2.0000e-005**	**2.0000e-005**	**0.9116**

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

3.3 Site and Building #2 - 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					0.3485	0.0000	0.3485	0.1576	0.0000	0.1576	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0930	0.9206	0.7789	1.8600e-003		0.0377	0.0377		0.0347	0.0347	0.0000	162.9586	162.9586	0.0527	0.0000	164.2762
Total	**0.0930**	**0.9206**	**0.7789**	**1.8600e-003**	**0.3485**	**0.0377**	**0.3863**	**0.1576**	**0.0347**	**0.1923**	**0.0000**	**162.9586**	**162.9586**	**0.0527**	**0.0000**	**164.2762**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0135	0.8799	0.2100	3.7500e-003	0.1114	7.2400e-003	0.1187	0.0306	6.9300e-003	0.0376	0.0000	371.5579	371.5579	0.0130	0.0589	389.4426
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4100e-003	8.6000e-004	0.0125	4.0000e-005	5.3500e-003	2.0000e-005	5.3800e-003	1.4200e-003	2.0000e-005	1.4400e-003	0.0000	3.6992	3.6992	9.0000e-005	9.0000e-005	3.7295
Total	**0.0149**	**0.8807**	**0.2225**	**3.7900e-003**	**0.1168**	**7.2600e-003**	**0.1240**	**0.0321**	**6.9500e-003**	**0.0390**	**0.0000**	**375.2572**	**375.2572**	**0.0131**	**0.0590**	**393.1720**

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

3.3 Site and Building #2 - Grading - 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					0.1568	0.0000	0.1568	0.0709	0.0000	0.0709	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0389	0.5586	1.0110	1.8600e-003		0.0262	0.0262		0.0260	0.0260	0.0000	162.9584	162.9584	0.0527	0.0000	164.2760
Total	**0.0389**	**0.5586**	**1.0110**	**1.8600e-003**	**0.1568**	**0.0262**	**0.1830**	**0.0709**	**0.0260**	**0.0969**	**0.0000**	**162.9584**	**162.9584**	**0.0527**	**0.0000**	**164.2760**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0135	0.8799	0.2100	3.7500e-003	0.1114	7.2400e-003	0.1187	0.0306	6.9300e-003	0.0376	0.0000	371.5579	371.5579	0.0130	0.0589	389.4426
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4100e-003	8.6000e-004	0.0125	4.0000e-005	5.3500e-003	2.0000e-005	5.3800e-003	1.4200e-003	2.0000e-005	1.4400e-003	0.0000	3.6992	3.6992	9.0000e-005	9.0000e-005	3.7295
Total	**0.0149**	**0.8807**	**0.2225**	**3.7900e-003**	**0.1168**	**7.2600e-003**	**0.1240**	**0.0321**	**6.9500e-003**	**0.0390**	**0.0000**	**375.2572**	**375.2572**	**0.0131**	**0.0590**	**393.1720**

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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 Site and Building #2 - 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	0.0366	0.3175	0.4819	9.9000e-004		0.0138	0.0138		0.0130	0.0130	0.0000	86.0932	86.0932	0.0221	0.0000	86.6448
Total	**0.0366**	**0.3175**	**0.4819**	**9.9000e-004**		**0.0138**	**0.0138**		**0.0130**	**0.0130**	**0.0000**	**86.0932**	**86.0932**	**0.0221**	**0.0000**	**86.6448**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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-004	0.0167	5.2700e-003	7.0000e-005	2.4300e-003	1.0000e-004	2.5300e-003	7.0000e-004	9.0000e-005	8.0000e-004	0.0000	7.0306	7.0306	1.5000e-004	1.0300e-003	7.3405
Worker	2.2000e-003	1.3500e-003	0.0194	6.0000e-005	8.3600e-003	4.0000e-005	8.4000e-003	2.2200e-003	3.0000e-005	2.2600e-003	0.0000	5.7763	5.7763	1.4000e-004	1.5000e-004	5.8235
Total	**2.6000e-003**	**0.0181**	**0.0247**	**1.3000e-004**	**0.0108**	**1.4000e-004**	**0.0109**	**2.9200e-003**	**1.2000e-004**	**3.0600e-003**	**0.0000**	**12.8068**	**12.8068**	**2.9000e-004**	**1.1800e-003**	**13.1639**

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

3.4 Site and Building #2 - 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	0.0250	0.3540	0.5208	9.9000e-004		0.0192	0.0192		0.0189	0.0189	0.0000	86.0931	86.0931	0.0221	0.0000	86.6447
Total	**0.0250**	**0.3540**	**0.5208**	**9.9000e-004**		**0.0192**	**0.0192**		**0.0189**	**0.0189**	**0.0000**	**86.0931**	**86.0931**	**0.0221**	**0.0000**	**86.6447**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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-004	0.0167	5.2700e-003	7.0000e-005	2.4300e-003	1.0000e-004	2.5300e-003	7.0000e-004	9.0000e-005	8.0000e-004	0.0000	7.0306	7.0306	1.5000e-004	1.0300e-003	7.3405
Worker	2.2000e-003	1.3500e-003	0.0194	6.0000e-005	8.3600e-003	4.0000e-005	8.4000e-003	2.2200e-003	3.0000e-005	2.2600e-003	0.0000	5.7763	5.7763	1.4000e-004	1.5000e-004	5.8235
Total	**2.6000e-003**	**0.0181**	**0.0247**	**1.3000e-004**	**0.0108**	**1.4000e-004**	**0.0109**	**2.9200e-003**	**1.2000e-004**	**3.0600e-003**	**0.0000**	**12.8068**	**12.8068**	**2.9000e-004**	**1.1800e-003**	**13.1639**

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

3.4 Site and Building #2 - Foundation - 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	0.1897	1.6436	2.4944	5.1300e-003		0.0712	0.0712		0.0672	0.0672	0.0000	445.6590	445.6590	0.1142	0.0000	448.5144
Total	**0.1897**	**1.6436**	**2.4944**	**5.1300e-003**		**0.0712**	**0.0712**		**0.0672**	**0.0672**	**0.0000**	**445.6590**	**445.6590**	**0.1142**	**0.0000**	**448.5144**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0300e-003	0.0858	0.0270	3.7000e-004	0.0126	5.0000e-004	0.0131	3.6400e-003	4.8000e-004	4.1100e-003	0.0000	35.6782	35.6782	7.7000e-004	5.2000e-003	37.2482
Worker	0.0108	6.4100e-003	0.0956	3.2000e-004	0.0433	1.7000e-004	0.0435	0.0115	1.6000e-004	0.0117	0.0000	29.0548	29.0548	6.6000e-004	7.2000e-004	29.2868
Total	**0.0128**	**0.0922**	**0.1226**	**6.9000e-004**	**0.0559**	**6.7000e-004**	**0.0565**	**0.0152**	**6.4000e-004**	**0.0158**	**0.0000**	**64.7330**	**64.7330**	**1.4300e-003**	**5.9200e-003**	**66.5350**

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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 Site and Building #2 - Foundation - 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	0.1293	1.8322	2.6957	5.1300e-003		0.0994	0.0994		0.0979	0.0979	0.0000	445.6585	445.6585	0.1142	0.0000	448.5139
Total	**0.1293**	**1.8322**	**2.6957**	**5.1300e-003**		**0.0994**	**0.0994**		**0.0979**	**0.0979**	**0.0000**	**445.6585**	**445.6585**	**0.1142**	**0.0000**	**448.5139**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0300e-003	0.0858	0.0270	3.7000e-004	0.0126	5.0000e-004	0.0131	3.6400e-003	4.8000e-004	4.1100e-003	0.0000	35.6782	35.6782	7.7000e-004	5.2000e-003	37.2482
Worker	0.0108	6.4100e-003	0.0956	3.2000e-004	0.0433	1.7000e-004	0.0435	0.0115	1.6000e-004	0.0117	0.0000	29.0548	29.0548	6.6000e-004	7.2000e-004	29.2868
Total	**0.0128**	**0.0922**	**0.1226**	**6.9000e-004**	**0.0559**	**6.7000e-004**	**0.0565**	**0.0152**	**6.4000e-004**	**0.0158**	**0.0000**	**64.7330**	**64.7330**	**1.4300e-003**	**5.9200e-003**	**66.5350**

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

3.5 Site and Building #2 - Structural/Building Exterior/Roof - 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	0.1580	1.3489	1.7553	3.0300e-003		0.0592	0.0592		0.0564	0.0564	0.0000	257.8013	257.8013	0.0481	0.0000	259.0040
Total	**0.1580**	**1.3489**	**1.7553**	**3.0300e-003**		**0.0592**	**0.0592**		**0.0564**	**0.0564**	**0.0000**	**257.8013**	**257.8013**	**0.0481**	**0.0000**	**259.0040**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3900e-003	0.0585	0.0184	2.5000e-004	8.5700e-003	3.4000e-004	8.9200e-003	2.4800e-003	3.3000e-004	2.8100e-003	0.0000	24.3260	24.3260	5.2000e-004	3.5500e-003	25.3965
Worker	7.3700e-003	4.3700e-003	0.0652	2.2000e-004	0.0295	1.2000e-004	0.0296	7.8500e-003	1.1000e-004	7.9600e-003	0.0000	19.8101	19.8101	4.5000e-004	4.9000e-004	19.9683
Total	**8.7600e-003**	**0.0629**	**0.0836**	**4.7000e-004**	**0.0381**	**4.6000e-004**	**0.0385**	**0.0103**	**4.4000e-004**	**0.0108**	**0.0000**	**44.1361**	**44.1361**	**9.7000e-004**	**4.0400e-003**	**45.3648**

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

3.5 Site and Building #2 - Structural/Building Exterior/Roof - 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	0.0624	1.1649	1.7682	2.7300e-003		0.0718	0.0718		0.0718	0.0718	0.0000	235.2146	235.2146	0.0460	0.0000	236.3635
Total	**0.0624**	**1.1649**	**1.7682**	**2.7300e-003**		**0.0718**	**0.0718**		**0.0718**	**0.0718**	**0.0000**	**235.2146**	**235.2146**	**0.0460**	**0.0000**	**236.3635**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3900e-003	0.0585	0.0184	2.5000e-004	8.5700e-003	3.4000e-004	8.9200e-003	2.4800e-003	3.3000e-004	2.8100e-003	0.0000	24.3260	24.3260	5.2000e-004	3.5500e-003	25.3965
Worker	7.3700e-003	4.3700e-003	0.0652	2.2000e-004	0.0295	1.2000e-004	0.0296	7.8500e-003	1.1000e-004	7.9600e-003	0.0000	19.8101	19.8101	4.5000e-004	4.9000e-004	19.9683
Total	**8.7600e-003**	**0.0629**	**0.0836**	**4.7000e-004**	**0.0381**	**4.6000e-004**	**0.0385**	**0.0103**	**4.4000e-004**	**0.0108**	**0.0000**	**44.1361**	**44.1361**	**9.7000e-004**	**4.0400e-003**	**45.3648**

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

3.6 Site and Building #2 - ROMP01 - 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	0.1035	0.8805	0.9746	1.8100e-003		0.0372	0.0372		0.0354	0.0354	0.0000	152.2377	152.2377	0.0291	0.0000	152.9644
Total	**0.1035**	**0.8805**	**0.9746**	**1.8100e-003**		**0.0372**	**0.0372**		**0.0354**	**0.0354**	**0.0000**	**152.2377**	**152.2377**	**0.0291**	**0.0000**	**152.9644**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9900e-003	0.0838	0.0264	3.6000e-004	0.0123	4.9000e-004	0.0128	3.5500e-003	4.7000e-004	4.0200e-003	0.0000	34.8673	34.8673	7.5000e-004	5.0900e-003	36.4017
Worker	0.0106	6.2600e-003	0.0934	3.1000e-004	0.0423	1.7000e-004	0.0425	0.0113	1.6000e-004	0.0114	0.0000	28.3945	28.3945	6.4000e-004	7.1000e-004	28.6212
Total	**0.0126**	**0.0901**	**0.1198**	**6.7000e-004**	**0.0546**	**6.6000e-004**	**0.0552**	**0.0148**	**6.3000e-004**	**0.0154**	**0.0000**	**63.2618**	**63.2618**	**1.3900e-003**	**5.8000e-003**	**65.0229**

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

3.6 Site and Building #2 - ROMP01 - 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	0.0266	0.4939	0.8548	1.4300e-003		0.0336	0.0336		0.0336	0.0336	0.0000	124.9073	124.9073	0.0265	0.0000	125.5692
Total	**0.0266**	**0.4939**	**0.8548**	**1.4300e-003**		**0.0336**	**0.0336**		**0.0336**	**0.0336**	**0.0000**	**124.9073**	**124.9073**	**0.0265**	**0.0000**	**125.5692**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9900e-003	0.0838	0.0264	3.6000e-004	0.0123	4.9000e-004	0.0128	3.5500e-003	4.7000e-004	4.0200e-003	0.0000	34.8673	34.8673	7.5000e-004	5.0900e-003	36.4017
Worker	0.0106	6.2600e-003	0.0934	3.1000e-004	0.0423	1.7000e-004	0.0425	0.0113	1.6000e-004	0.0114	0.0000	28.3945	28.3945	6.4000e-004	7.1000e-004	28.6212
Total	**0.0126**	**0.0901**	**0.1198**	**6.7000e-004**	**0.0546**	**6.6000e-004**	**0.0552**	**0.0148**	**6.3000e-004**	**0.0154**	**0.0000**	**63.2618**	**63.2618**	**1.3900e-003**	**5.8000e-003**	**65.0229**

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

3.7 Site and Building #2 - Paving - 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	0.2198	2.1228	2.0649	4.5400e-003		0.0888	0.0888		0.0818	0.0818	0.0000	396.8087	396.8087	0.1270	0.0000	399.9838
Paving	2.2700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2221**	**2.1228**	**2.0649**	**4.5400e-003**		**0.0888**	**0.0888**		**0.0818**	**0.0818**	**0.0000**	**396.8087**	**396.8087**	**0.1270**	**0.0000**	**399.9838**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8000e-004	0.0116	2.7900e-003	5.0000e-005	1.4800e-003	1.0000e-004	1.5700e-003	4.1000e-004	9.0000e-005	5.0000e-004	0.0000	4.8162	4.8162	1.7000e-004	7.6000e-004	5.0480
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4100e-003	2.6100e-003	0.0390	1.3000e-004	0.0177	7.0000e-005	0.0177	4.6900e-003	7.0000e-005	4.7600e-003	0.0000	11.8488	11.8488	2.7000e-004	2.9000e-004	11.9434
Total	**4.5900e-003**	**0.0142**	**0.0418**	**1.8000e-004**	**0.0191**	**1.7000e-004**	**0.0193**	**5.1000e-003**	**1.6000e-004**	**5.2600e-003**	**0.0000**	**16.6650**	**16.6650**	**4.4000e-004**	**1.0500e-003**	**16.9914**

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

3.7 Site and Building #2 - Paving - 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	0.1039	1.4385	2.5620	4.4900e-003		0.0678	0.0678		0.0669	0.0669	0.0000	393.6522	393.6522	0.1267	0.0000	396.8198
Paving	2.2700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1062**	**1.4385**	**2.5620**	**4.4900e-003**		**0.0678**	**0.0678**		**0.0669**	**0.0669**	**0.0000**	**393.6522**	**393.6522**	**0.1267**	**0.0000**	**396.8198**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8000e-004	0.0116	2.7900e-003	5.0000e-005	1.4800e-003	1.0000e-004	1.5700e-003	4.1000e-004	9.0000e-005	5.0000e-004	0.0000	4.8162	4.8162	1.7000e-004	7.6000e-004	5.0480
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4100e-003	2.6100e-003	0.0390	1.3000e-004	0.0177	7.0000e-005	0.0177	4.6900e-003	7.0000e-005	4.7600e-003	0.0000	11.8488	11.8488	2.7000e-004	2.9000e-004	11.9434
Total	**4.5900e-003**	**0.0142**	**0.0418**	**1.8000e-004**	**0.0191**	**1.7000e-004**	**0.0193**	**5.1000e-003**	**1.6000e-004**	**5.2600e-003**	**0.0000**	**16.6650**	**16.6650**	**4.4000e-004**	**1.0500e-003**	**16.9914**

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

3.8 Site and Building #2 - ROMP02 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6400e-003	0.0692	0.0218	3.0000e-004	0.0102	4.0000e-004	0.0106	2.9300e-003	3.9000e-004	3.3200e-003	0.0000	28.7858	28.7858	6.2000e-004	4.2000e-003	30.0525
Worker	8.7200e-003	5.1700e-003	0.0771	2.6000e-004	0.0349	1.4000e-004	0.0351	9.2900e-003	1.3000e-004	9.4200e-003	0.0000	23.4419	23.4419	5.3000e-004	5.8000e-004	23.6291
Total	**0.0104**	**0.0744**	**0.0989**	**5.6000e-004**	**0.0451**	**5.4000e-004**	**0.0456**	**0.0122**	**5.2000e-004**	**0.0127**	**0.0000**	**52.2277**	**52.2277**	**1.1500e-003**	**4.7800e-003**	**53.6817**

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

3.8 Site and Building #2 - ROMP02 - 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	0.0219	0.4077	0.7057	1.1800e-003		0.0277	0.0277		0.0277	0.0277	0.0000	103.1212	103.1212	0.0219	0.0000	103.6676
Total	**0.0219**	**0.4077**	**0.7057**	**1.1800e-003**		**0.0277**	**0.0277**		**0.0277**	**0.0277**	**0.0000**	**103.1212**	**103.1212**	**0.0219**	**0.0000**	**103.6676**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6400e-003	0.0692	0.0218	3.0000e-004	0.0102	4.0000e-004	0.0106	2.9300e-003	3.9000e-004	3.3200e-003	0.0000	28.7858	28.7858	6.2000e-004	4.2000e-003	30.0525
Worker	8.7200e-003	5.1700e-003	0.0771	2.6000e-004	0.0349	1.4000e-004	0.0351	9.2900e-003	1.3000e-004	9.4200e-003	0.0000	23.4419	23.4419	5.3000e-004	5.8000e-004	23.6291
Total	**0.0104**	**0.0744**	**0.0989**	**5.6000e-004**	**0.0451**	**5.4000e-004**	**0.0456**	**0.0122**	**5.2000e-004**	**0.0127**	**0.0000**	**52.2277**	**52.2277**	**1.1500e-003**	**4.7800e-003**	**53.6817**

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

3.9 Site and Building #2 - ROMP01 ArcCoa - 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	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1530**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	3.0000e-005	4.4000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1331	0.1331	0.0000	0.0000	0.1342
Total	**5.0000e-005**	**3.0000e-005**	**4.4000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1331**	**0.1331**	**0.0000**	**0.0000**	**0.1342**

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

3.9 Site and Building #2 - ROMP01 ArcCoa - 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	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1528**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	3.0000e-005	4.4000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1331	0.1331	0.0000	0.0000	0.1342
Total	**5.0000e-005**	**3.0000e-005**	**4.4000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1331**	**0.1331**	**0.0000**	**0.0000**	**0.1342**

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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 Site and Building #2 - ROMP03 - 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	6.0200e-003	0.0512	0.0567	1.1000e-004		2.1600e-003	2.1600e-003		2.0600e-003	2.0600e-003	0.0000	8.8510	8.8510	1.6900e-003	0.0000	8.8933
Total	**6.0200e-003**	**0.0512**	**0.0567**	**1.1000e-004**		**2.1600e-003**	**2.1600e-003**		**2.0600e-003**	**2.0600e-003**	**0.0000**	**8.8510**	**8.8510**	**1.6900e-003**	**0.0000**	**8.8933**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2000e-004	4.8700e-003	1.5300e-003	2.0000e-005	7.1000e-004	3.0000e-005	7.4000e-004	2.1000e-004	3.0000e-005	2.3000e-004	0.0000	2.0272	2.0272	4.0000e-005	3.0000e-004	2.1164
Worker	6.1000e-004	3.6000e-004	5.4300e-003	2.0000e-005	2.4600e-003	1.0000e-005	2.4700e-003	6.5000e-004	1.0000e-005	6.6000e-004	0.0000	1.6508	1.6508	4.0000e-005	4.0000e-005	1.6640
Total	**7.3000e-004**	**5.2300e-003**	**6.9600e-003**	**4.0000e-005**	**3.1700e-003**	**4.0000e-005**	**3.2100e-003**	**8.6000e-004**	**4.0000e-005**	**8.9000e-004**	**0.0000**	**3.6780**	**3.6780**	**8.0000e-005**	**3.4000e-004**	**3.7804**

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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 Site and Building #2 - ROMP03 - 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	1.5400e-003	0.0287	0.0497	8.0000e-005		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003	0.0000	7.2621	7.2621	1.5400e-003	0.0000	7.3005
Total	**1.5400e-003**	**0.0287**	**0.0497**	**8.0000e-005**		**1.9500e-003**	**1.9500e-003**		**1.9500e-003**	**1.9500e-003**	**0.0000**	**7.2621**	**7.2621**	**1.5400e-003**	**0.0000**	**7.3005**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2000e-004	4.8700e-003	1.5300e-003	2.0000e-005	7.1000e-004	3.0000e-005	7.4000e-004	2.1000e-004	3.0000e-005	2.3000e-004	0.0000	2.0272	2.0272	4.0000e-005	3.0000e-004	2.1164
Worker	6.1000e-004	3.6000e-004	5.4300e-003	2.0000e-005	2.4600e-003	1.0000e-005	2.4700e-003	6.5000e-004	1.0000e-005	6.6000e-004	0.0000	1.6508	1.6508	4.0000e-005	4.0000e-005	1.6640
Total	**7.3000e-004**	**5.2300e-003**	**6.9600e-003**	**4.0000e-005**	**3.1700e-003**	**4.0000e-005**	**3.2100e-003**	**8.6000e-004**	**4.0000e-005**	**8.9000e-004**	**0.0000**	**3.6780**	**3.6780**	**8.0000e-005**	**3.4000e-004**	**3.7804**

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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 Site and Building #2 - ROMP03 - 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	0.0794	0.6758	0.7479	1.3900e-003		0.0286	0.0286		0.0272	0.0272	0.0000	116.8336	116.8336	0.0223	0.0000	117.3913
Total	**0.0794**	**0.6758**	**0.7479**	**1.3900e-003**		**0.0286**	**0.0286**		**0.0272**	**0.0272**	**0.0000**	**116.8336**	**116.8336**	**0.0223**	**0.0000**	**117.3913**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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-003	0.0639	0.0201	2.7000e-004	9.4300e-003	3.7000e-004	9.8000e-003	2.7300e-003	3.6000e-004	3.0800e-003	0.0000	26.2398	26.2398	5.7000e-004	3.8200e-003	27.3924
Worker	7.7000e-003	4.4500e-003	0.0685	2.3000e-004	0.0325	1.2000e-004	0.0326	8.6300e-003	1.1000e-004	8.7400e-003	0.0000	21.2222	21.2222	4.6000e-004	5.2000e-004	21.3885
Total	**9.2000e-003**	**0.0684**	**0.0886**	**5.0000e-004**	**0.0419**	**4.9000e-004**	**0.0424**	**0.0114**	**4.7000e-004**	**0.0118**	**0.0000**	**47.4620**	**47.4620**	**1.0300e-003**	**4.3400e-003**	**48.7809**

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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 Site and Building #2 - ROMP03 - 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	0.0204	0.3790	0.6560	1.1000e-003		0.0258	0.0258		0.0258	0.0258	0.0000	95.8591	95.8591	0.0203	0.0000	96.3670
Total	**0.0204**	**0.3790**	**0.6560**	**1.1000e-003**		**0.0258**	**0.0258**		**0.0258**	**0.0258**	**0.0000**	**95.8591**	**95.8591**	**0.0203**	**0.0000**	**96.3670**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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-003	0.0639	0.0201	2.7000e-004	9.4300e-003	3.7000e-004	9.8000e-003	2.7300e-003	3.6000e-004	3.0800e-003	0.0000	26.2398	26.2398	5.7000e-004	3.8200e-003	27.3924
Worker	7.7000e-003	4.4500e-003	0.0685	2.3000e-004	0.0325	1.2000e-004	0.0326	8.6300e-003	1.1000e-004	8.7400e-003	0.0000	21.2222	21.2222	4.6000e-004	5.2000e-004	21.3885
Total	**9.2000e-003**	**0.0684**	**0.0886**	**5.0000e-004**	**0.0419**	**4.9000e-004**	**0.0424**	**0.0114**	**4.7000e-004**	**0.0118**	**0.0000**	**47.4620**	**47.4620**	**1.0300e-003**	**4.3400e-003**	**48.7809**

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

3.11 Site and Building #2 - ROMP02 ArcCoa - 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	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1530**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	3.0000e-005	4.4000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1331	0.1331	0.0000	0.0000	0.1342
Total	**5.0000e-005**	**3.0000e-005**	**4.4000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1331**	**0.1331**	**0.0000**	**0.0000**	**0.1342**

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

3.11 Site and Building #2 - ROMP02 ArcCoa - 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	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1528**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	3.0000e-005	4.4000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1331	0.1331	0.0000	0.0000	0.1342
Total	**5.0000e-005**	**3.0000e-005**	**4.4000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1331**	**0.1331**	**0.0000**	**0.0000**	**0.1342**

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

3.12 Site and Building #2 - ROMP04 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6200e-003	0.0688	0.0216	2.9000e-004	0.0102	4.0000e-004	0.0106	2.9300e-003	3.8000e-004	3.3200e-003	0.0000	28.2277	28.2277	6.1000e-004	4.1100e-003	29.4675
Worker	8.2800e-003	4.7900e-003	0.0737	2.5000e-004	0.0349	1.3000e-004	0.0351	9.2900e-003	1.2000e-004	9.4100e-003	0.0000	22.8299	22.8299	4.9000e-004	5.6000e-004	23.0088
Total	**9.9000e-003**	**0.0736**	**0.0953**	**5.4000e-004**	**0.0451**	**5.3000e-004**	**0.0456**	**0.0122**	**5.0000e-004**	**0.0127**	**0.0000**	**51.0576**	**51.0576**	**1.1000e-003**	**4.6700e-003**	**52.4764**

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

3.12 Site and Building #2 - ROMP04 - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0219	0.4077	0.7057	1.1800e-003		0.0277	0.0277		0.0277	0.0277	0.0000	103.1212	103.1212	0.0219	0.0000	103.6676
Total	**0.0219**	**0.4077**	**0.7057**	**1.1800e-003**		**0.0277**	**0.0277**		**0.0277**	**0.0277**	**0.0000**	**103.1212**	**103.1212**	**0.0219**	**0.0000**	**103.6676**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6200e-003	0.0688	0.0216	2.9000e-004	0.0102	4.0000e-004	0.0106	2.9300e-003	3.8000e-004	3.3200e-003	0.0000	28.2277	28.2277	6.1000e-004	4.1100e-003	29.4675
Worker	8.2800e-003	4.7900e-003	0.0737	2.5000e-004	0.0349	1.3000e-004	0.0351	9.2900e-003	1.2000e-004	9.4100e-003	0.0000	22.8299	22.8299	4.9000e-004	5.6000e-004	23.0088
Total	**9.9000e-003**	**0.0736**	**0.0953**	**5.4000e-004**	**0.0451**	**5.3000e-004**	**0.0456**	**0.0122**	**5.0000e-004**	**0.0127**	**0.0000**	**51.0576**	**51.0576**	**1.1000e-003**	**4.6700e-003**	**52.4764**

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

3.13 Site and Building #2 - ROMP03 ArcCoa - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1530**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	3.0000e-005	4.2000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1297	0.1297	0.0000	0.0000	0.1307
Total	**5.0000e-005**	**3.0000e-005**	**4.2000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1297**	**0.1297**	**0.0000**	**0.0000**	**0.1307**

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

3.13 Site and Building #2 - ROMP03 ArcCoa - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1528**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	3.0000e-005	4.2000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1297	0.1297	0.0000	0.0000	0.1307
Total	**5.0000e-005**	**3.0000e-005**	**4.2000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1297**	**0.1297**	**0.0000**	**0.0000**	**0.1307**

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

3.14 Site and Building #2 - ROMP05 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6200e-003	0.0688	0.0216	2.9000e-004	0.0102	4.0000e-004	0.0106	2.9300e-003	3.8000e-004	3.3200e-003	0.0000	28.2277	28.2277	6.1000e-004	4.1100e-003	29.4675
Worker	8.2800e-003	4.7900e-003	0.0737	2.5000e-004	0.0349	1.3000e-004	0.0351	9.2900e-003	1.2000e-004	9.4100e-003	0.0000	22.8299	22.8299	4.9000e-004	5.6000e-004	23.0088
Total	**9.9000e-003**	**0.0736**	**0.0953**	**5.4000e-004**	**0.0451**	**5.3000e-004**	**0.0456**	**0.0122**	**5.0000e-004**	**0.0127**	**0.0000**	**51.0576**	**51.0576**	**1.1000e-003**	**4.6700e-003**	**52.4764**

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

3.14 Site and Building #2 - ROMP05 - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0219	0.4077	0.7057	1.1800e-003		0.0277	0.0277		0.0277	0.0277	0.0000	103.1212	103.1212	0.0219	0.0000	103.6676
Total	**0.0219**	**0.4077**	**0.7057**	**1.1800e-003**		**0.0277**	**0.0277**		**0.0277**	**0.0277**	**0.0000**	**103.1212**	**103.1212**	**0.0219**	**0.0000**	**103.6676**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6200e-003	0.0688	0.0216	2.9000e-004	0.0102	4.0000e-004	0.0106	2.9300e-003	3.8000e-004	3.3200e-003	0.0000	28.2277	28.2277	6.1000e-004	4.1100e-003	29.4675
Worker	8.2800e-003	4.7900e-003	0.0737	2.5000e-004	0.0349	1.3000e-004	0.0351	9.2900e-003	1.2000e-004	9.4100e-003	0.0000	22.8299	22.8299	4.9000e-004	5.6000e-004	23.0088
Total	**9.9000e-003**	**0.0736**	**0.0953**	**5.4000e-004**	**0.0451**	**5.3000e-004**	**0.0456**	**0.0122**	**5.0000e-004**	**0.0127**	**0.0000**	**51.0576**	**51.0576**	**1.1000e-003**	**4.6700e-003**	**52.4764**

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

3.15 Site and Building #2 - ROMP04 ArcCoa - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1530**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	3.0000e-005	4.2000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1297	0.1297	0.0000	0.0000	0.1307
Total	**5.0000e-005**	**3.0000e-005**	**4.2000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1297**	**0.1297**	**0.0000**	**0.0000**	**0.1307**

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

3.15 Site and Building #2 - ROMP04 ArcCoa - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1528**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	3.0000e-005	4.2000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1297	0.1297	0.0000	0.0000	0.1307
Total	**5.0000e-005**	**3.0000e-005**	**4.2000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1297**	**0.1297**	**0.0000**	**0.0000**	**0.1307**

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

3.16 Site and Building #2 - ROMP07 - 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	0.0662	0.5631	0.6233	1.1600e-003		0.0238	0.0238		0.0226	0.0226	0.0000	97.3613	97.3613	0.0186	0.0000	97.8261
Total	**0.0662**	**0.5631**	**0.6233**	**1.1600e-003**		**0.0238**	**0.0238**		**0.0226**	**0.0226**	**0.0000**	**97.3613**	**97.3613**	**0.0186**	**0.0000**	**97.8261**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2500e-003	0.0533	0.0167	2.2000e-004	7.8600e-003	3.1000e-004	8.1700e-003	2.2700e-003	3.0000e-004	2.5700e-003	0.0000	21.8665	21.8665	4.7000e-004	3.1800e-003	22.8270
Worker	6.4200e-003	3.7100e-003	0.0571	1.9000e-004	0.0271	1.0000e-004	0.0272	7.1900e-003	9.0000e-005	7.2900e-003	0.0000	17.6852	17.6852	3.8000e-004	4.3000e-004	17.8238
Total	**7.6700e-003**	**0.0570**	**0.0738**	**4.1000e-004**	**0.0349**	**4.1000e-004**	**0.0353**	**9.4600e-003**	**3.9000e-004**	**9.8600e-003**	**0.0000**	**39.5517**	**39.5517**	**8.5000e-004**	**3.6100e-003**	**40.6507**

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

3.16 Site and Building #2 - ROMP07 - 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	0.0170	0.3159	0.5467	9.2000e-004		0.0215	0.0215		0.0215	0.0215	0.0000	79.8826	79.8826	0.0169	0.0000	80.3059
Total	**0.0170**	**0.3159**	**0.5467**	**9.2000e-004**		**0.0215**	**0.0215**		**0.0215**	**0.0215**	**0.0000**	**79.8826**	**79.8826**	**0.0169**	**0.0000**	**80.3059**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2500e-003	0.0533	0.0167	2.2000e-004	7.8600e-003	3.1000e-004	8.1700e-003	2.2700e-003	3.0000e-004	2.5700e-003	0.0000	21.8665	21.8665	4.7000e-004	3.1800e-003	22.8270
Worker	6.4200e-003	3.7100e-003	0.0571	1.9000e-004	0.0271	1.0000e-004	0.0272	7.1900e-003	9.0000e-005	7.2900e-003	0.0000	17.6852	17.6852	3.8000e-004	4.3000e-004	17.8238
Total	**7.6700e-003**	**0.0570**	**0.0738**	**4.1000e-004**	**0.0349**	**4.1000e-004**	**0.0353**	**9.4600e-003**	**3.9000e-004**	**9.8600e-003**	**0.0000**	**39.5517**	**39.5517**	**8.5000e-004**	**3.6100e-003**	**40.6507**

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

3.16 Site and Building #2 - ROMP07 - 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	0.0193	0.1638	0.1813	3.4000e-004		6.9200e-003	6.9200e-003		6.5900e-003	6.5900e-003	0.0000	28.3233	28.3233	5.4100e-003	0.0000	28.4585
Total	**0.0193**	**0.1638**	**0.1813**	**3.4000e-004**		**6.9200e-003**	**6.9200e-003**		**6.5900e-003**	**6.5900e-003**	**0.0000**	**28.3233**	**28.3233**	**5.4100e-003**	**0.0000**	**28.4585**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0153	4.8200e-003	6.0000e-005	2.2900e-003	9.0000e-005	2.3800e-003	6.6000e-004	9.0000e-005	7.5000e-004	0.0000	6.2160	6.2160	1.4000e-004	9.0000e-004	6.4885
Worker	1.7700e-003	1.0100e-003	0.0159	5.0000e-005	7.8700e-003	3.0000e-005	7.9000e-003	2.0900e-003	3.0000e-005	2.1200e-003	0.0000	5.0212	5.0212	1.0000e-004	1.2000e-004	5.0599
Total	**2.1300e-003**	**0.0163**	**0.0208**	**1.1000e-004**	**0.0102**	**1.2000e-004**	**0.0103**	**2.7500e-003**	**1.2000e-004**	**2.8700e-003**	**0.0000**	**11.2372**	**11.2372**	**2.4000e-004**	**1.0200e-003**	**11.5484**

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

3.16 Site and Building #2 - ROMP07 - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.9400e-003	0.0919	0.1590	2.7000e-004		6.2500e-003	6.2500e-003		6.2500e-003	6.2500e-003	0.0000	23.2386	23.2386	4.9300e-003	0.0000	23.3617
Total	**4.9400e-003**	**0.0919**	**0.1590**	**2.7000e-004**		**6.2500e-003**	**6.2500e-003**		**6.2500e-003**	**6.2500e-003**	**0.0000**	**23.2386**	**23.2386**	**4.9300e-003**	**0.0000**	**23.3617**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0153	4.8200e-003	6.0000e-005	2.2900e-003	9.0000e-005	2.3800e-003	6.6000e-004	9.0000e-005	7.5000e-004	0.0000	6.2160	6.2160	1.4000e-004	9.0000e-004	6.4885
Worker	1.7700e-003	1.0100e-003	0.0159	5.0000e-005	7.8700e-003	3.0000e-005	7.9000e-003	2.0900e-003	3.0000e-005	2.1200e-003	0.0000	5.0212	5.0212	1.0000e-004	1.2000e-004	5.0599
Total	**2.1300e-003**	**0.0163**	**0.0208**	**1.1000e-004**	**0.0102**	**1.2000e-004**	**0.0103**	**2.7500e-003**	**1.2000e-004**	**2.8700e-003**	**0.0000**	**11.2372**	**11.2372**	**2.4000e-004**	**1.0200e-003**	**11.5484**

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

3.17 Site and Building #2 - ROMP05 ArcCoa - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1530**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	3.0000e-005	4.2000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1297	0.1297	0.0000	0.0000	0.1307
Total	**5.0000e-005**	**3.0000e-005**	**4.2000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1297**	**0.1297**	**0.0000**	**0.0000**	**0.1307**

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

3.17 Site and Building #2 - ROMP05 ArcCoa - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1528**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	3.0000e-005	4.2000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1297	0.1297	0.0000	0.0000	0.1307
Total	**5.0000e-005**	**3.0000e-005**	**4.2000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1297**	**0.1297**	**0.0000**	**0.0000**	**0.1307**

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

3.18 Site and Building #2 - ROMP08 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5900e-003	0.0680	0.0214	2.8000e-004	0.0102	3.9000e-004	0.0105	2.9300e-003	3.8000e-004	3.3100e-003	0.0000	27.5836	27.5836	6.0000e-004	4.0100e-003	28.7927
Worker	7.8600e-003	4.4600e-003	0.0707	2.4000e-004	0.0349	1.2000e-004	0.0350	9.2900e-003	1.1000e-004	9.4000e-003	0.0000	22.2816	22.2816	4.6000e-004	5.4000e-004	22.4534
Total	**9.4500e-003**	**0.0724**	**0.0921**	**5.2000e-004**	**0.0451**	**5.1000e-004**	**0.0456**	**0.0122**	**4.9000e-004**	**0.0127**	**0.0000**	**49.8651**	**49.8651**	**1.0600e-003**	**4.5500e-003**	**51.2461**

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

3.18 Site and Building #2 - ROMP08 - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0219	0.4077	0.7057	1.1800e-003		0.0277	0.0277		0.0277	0.0277	0.0000	103.1212	103.1212	0.0219	0.0000	103.6676
Total	**0.0219**	**0.4077**	**0.7057**	**1.1800e-003**		**0.0277**	**0.0277**		**0.0277**	**0.0277**	**0.0000**	**103.1212**	**103.1212**	**0.0219**	**0.0000**	**103.6676**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5900e-003	0.0680	0.0214	2.8000e-004	0.0102	3.9000e-004	0.0105	2.9300e-003	3.8000e-004	3.3100e-003	0.0000	27.5836	27.5836	6.0000e-004	4.0100e-003	28.7927
Worker	7.8600e-003	4.4600e-003	0.0707	2.4000e-004	0.0349	1.2000e-004	0.0350	9.2900e-003	1.1000e-004	9.4000e-003	0.0000	22.2816	22.2816	4.6000e-004	5.4000e-004	22.4534
Total	**9.4500e-003**	**0.0724**	**0.0921**	**5.2000e-004**	**0.0451**	**5.1000e-004**	**0.0456**	**0.0122**	**4.9000e-004**	**0.0127**	**0.0000**	**49.8651**	**49.8651**	**1.0600e-003**	**4.5500e-003**	**51.2461**

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

3.19 Site and Building #2 - ROMP07 ArcCoa - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1530**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	4.0000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1265	0.1265	0.0000	0.0000	0.1275
Total	**4.0000e-005**	**3.0000e-005**	**4.0000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1265**	**0.1265**	**0.0000**	**0.0000**	**0.1275**

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

3.19 Site and Building #2 - ROMP07 ArcCoa - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1528**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	4.0000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1265	0.1265	0.0000	0.0000	0.1275
Total	**4.0000e-005**	**3.0000e-005**	**4.0000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1265**	**0.1265**	**0.0000**	**0.0000**	**0.1275**

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

3.20 Site and Building #2 - ROMP09 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5900e-003	0.0680	0.0214	2.8000e-004	0.0102	3.9000e-004	0.0105	2.9300e-003	3.8000e-004	3.3100e-003	0.0000	27.5836	27.5836	6.0000e-004	4.0100e-003	28.7927
Worker	7.8600e-003	4.4600e-003	0.0707	2.4000e-004	0.0349	1.2000e-004	0.0350	9.2900e-003	1.1000e-004	9.4000e-003	0.0000	22.2816	22.2816	4.6000e-004	5.4000e-004	22.4534
Total	**9.4500e-003**	**0.0724**	**0.0921**	**5.2000e-004**	**0.0451**	**5.1000e-004**	**0.0456**	**0.0122**	**4.9000e-004**	**0.0127**	**0.0000**	**49.8651**	**49.8651**	**1.0600e-003**	**4.5500e-003**	**51.2461**

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

3.20 Site and Building #2 - ROMP09 - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0219	0.4077	0.7057	1.1800e-003		0.0277	0.0277		0.0277	0.0277	0.0000	103.1212	103.1212	0.0219	0.0000	103.6676
Total	**0.0219**	**0.4077**	**0.7057**	**1.1800e-003**		**0.0277**	**0.0277**		**0.0277**	**0.0277**	**0.0000**	**103.1212**	**103.1212**	**0.0219**	**0.0000**	**103.6676**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5900e-003	0.0680	0.0214	2.8000e-004	0.0102	3.9000e-004	0.0105	2.9300e-003	3.8000e-004	3.3100e-003	0.0000	27.5836	27.5836	6.0000e-004	4.0100e-003	28.7927
Worker	7.8600e-003	4.4600e-003	0.0707	2.4000e-004	0.0349	1.2000e-004	0.0350	9.2900e-003	1.1000e-004	9.4000e-003	0.0000	22.2816	22.2816	4.6000e-004	5.4000e-004	22.4534
Total	**9.4500e-003**	**0.0724**	**0.0921**	**5.2000e-004**	**0.0451**	**5.1000e-004**	**0.0456**	**0.0122**	**4.9000e-004**	**0.0127**	**0.0000**	**49.8651**	**49.8651**	**1.0600e-003**	**4.5500e-003**	**51.2461**

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

3.21 Site and Building #2 - ROMP08 ArcCoa - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1530**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	4.0000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1265	0.1265	0.0000	0.0000	0.1275
Total	**4.0000e-005**	**3.0000e-005**	**4.0000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1265**	**0.1265**	**0.0000**	**0.0000**	**0.1275**

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

3.21 Site and Building #2 - ROMP08 ArcCoa - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1528**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	4.0000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1265	0.1265	0.0000	0.0000	0.1275
Total	**4.0000e-005**	**3.0000e-005**	**4.0000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1265**	**0.1265**	**0.0000**	**0.0000**	**0.1275**

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

3.22 Site and Building #2 - ROMP10 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5900e-003	0.0680	0.0214	2.8000e-004	0.0102	3.9000e-004	0.0105	2.9300e-003	3.8000e-004	3.3100e-003	0.0000	27.5836	27.5836	6.0000e-004	4.0100e-003	28.7927
Worker	7.8600e-003	4.4600e-003	0.0707	2.4000e-004	0.0349	1.2000e-004	0.0350	9.2900e-003	1.1000e-004	9.4000e-003	0.0000	22.2816	22.2816	4.6000e-004	5.4000e-004	22.4534
Total	**9.4500e-003**	**0.0724**	**0.0921**	**5.2000e-004**	**0.0451**	**5.1000e-004**	**0.0456**	**0.0122**	**4.9000e-004**	**0.0127**	**0.0000**	**49.8651**	**49.8651**	**1.0600e-003**	**4.5500e-003**	**51.2461**

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

3.22 Site and Building #2 - ROMP10 - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0219	0.4077	0.7057	1.1800e-003		0.0277	0.0277		0.0277	0.0277	0.0000	103.1212	103.1212	0.0219	0.0000	103.6676
Total	**0.0219**	**0.4077**	**0.7057**	**1.1800e-003**		**0.0277**	**0.0277**		**0.0277**	**0.0277**	**0.0000**	**103.1212**	**103.1212**	**0.0219**	**0.0000**	**103.6676**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5900e-003	0.0680	0.0214	2.8000e-004	0.0102	3.9000e-004	0.0105	2.9300e-003	3.8000e-004	3.3100e-003	0.0000	27.5836	27.5836	6.0000e-004	4.0100e-003	28.7927
Worker	7.8600e-003	4.4600e-003	0.0707	2.4000e-004	0.0349	1.2000e-004	0.0350	9.2900e-003	1.1000e-004	9.4000e-003	0.0000	22.2816	22.2816	4.6000e-004	5.4000e-004	22.4534
Total	**9.4500e-003**	**0.0724**	**0.0921**	**5.2000e-004**	**0.0451**	**5.1000e-004**	**0.0456**	**0.0122**	**4.9000e-004**	**0.0127**	**0.0000**	**49.8651**	**49.8651**	**1.0600e-003**	**4.5500e-003**	**51.2461**

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

3.23 Site and Building #2 - ROMP09 ArcCoa - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1530**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	4.0000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1265	0.1265	0.0000	0.0000	0.1275
Total	**4.0000e-005**	**3.0000e-005**	**4.0000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1265**	**0.1265**	**0.0000**	**0.0000**	**0.1275**

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

3.23 Site and Building #2 - ROMP09 ArcCoa - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1528**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	4.0000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1265	0.1265	0.0000	0.0000	0.1275
Total	**4.0000e-005**	**3.0000e-005**	**4.0000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1265**	**0.1265**	**0.0000**	**0.0000**	**0.1275**

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

3.24 Site and Building #2 - ROMP11 - 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	0.0433	0.3686	0.4080	7.6000e-004		0.0156	0.0156		0.0148	0.0148	0.0000	63.7274	63.7274	0.0122	0.0000	64.0316
Total	**0.0433**	**0.3686**	**0.4080**	**7.6000e-004**		**0.0156**	**0.0156**		**0.0148**	**0.0148**	**0.0000**	**63.7274**	**63.7274**	**0.0122**	**0.0000**	**64.0316**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.1000e-004	0.0345	0.0108	1.4000e-004	5.1500e-003	2.0000e-004	5.3500e-003	1.4900e-003	1.9000e-004	1.6800e-003	0.0000	13.9860	13.9860	3.0000e-004	2.0300e-003	14.5991
Worker	3.9900e-003	2.2600e-003	0.0359	1.2000e-004	0.0177	6.0000e-005	0.0178	4.7100e-003	6.0000e-005	4.7700e-003	0.0000	11.2977	11.2977	2.3000e-004	2.7000e-004	11.3848
Total	**4.8000e-003**	**0.0367**	**0.0467**	**2.6000e-004**	**0.0229**	**2.6000e-004**	**0.0231**	**6.2000e-003**	**2.5000e-004**	**6.4500e-003**	**0.0000**	**25.2837**	**25.2837**	**5.3000e-004**	**2.3000e-003**	**25.9839**

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

3.24 Site and Building #2 - ROMP11 - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0111	0.2067	0.3578	6.0000e-004		0.0141	0.0141		0.0141	0.0141	0.0000	52.2868	52.2868	0.0111	0.0000	52.5638
Total	**0.0111**	**0.2067**	**0.3578**	**6.0000e-004**		**0.0141**	**0.0141**		**0.0141**	**0.0141**	**0.0000**	**52.2868**	**52.2868**	**0.0111**	**0.0000**	**52.5638**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.1000e-004	0.0345	0.0108	1.4000e-004	5.1500e-003	2.0000e-004	5.3500e-003	1.4900e-003	1.9000e-004	1.6800e-003	0.0000	13.9860	13.9860	3.0000e-004	2.0300e-003	14.5991
Worker	3.9900e-003	2.2600e-003	0.0359	1.2000e-004	0.0177	6.0000e-005	0.0178	4.7100e-003	6.0000e-005	4.7700e-003	0.0000	11.2977	11.2977	2.3000e-004	2.7000e-004	11.3848
Total	**4.8000e-003**	**0.0367**	**0.0467**	**2.6000e-004**	**0.0229**	**2.6000e-004**	**0.0231**	**6.2000e-003**	**2.5000e-004**	**6.4500e-003**	**0.0000**	**25.2837**	**25.2837**	**5.3000e-004**	**2.3000e-003**	**25.9839**

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

3.24 Site and Building #2 - ROMP11 - 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	0.0347	0.2152	0.3842	8.2000e-004		4.2300e-003	4.2300e-003		4.2300e-003	4.2300e-003	0.0000	68.2386	68.2386	2.8100e-003	0.0000	68.3088
Total	**0.0347**	**0.2152**	**0.3842**	**8.2000e-004**		**4.2300e-003**	**4.2300e-003**		**4.2300e-003**	**4.2300e-003**	**0.0000**	**68.2386**	**68.2386**	**2.8100e-003**	**0.0000**	**68.3088**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.8000e-004	0.0333	0.0105	1.4000e-004	5.0000e-003	1.9000e-004	5.2000e-003	1.4500e-003	1.8000e-004	1.6300e-003	0.0000	13.3362	13.3362	2.9000e-004	1.9300e-003	13.9197
Worker	3.6800e-003	2.0600e-003	0.0336	1.2000e-004	0.0172	6.0000e-005	0.0173	4.5800e-003	5.0000e-005	4.6300e-003	0.0000	10.7429	10.7429	2.1000e-004	2.6000e-004	10.8246
Total	**4.4600e-003**	**0.0354**	**0.0441**	**2.6000e-004**	**0.0222**	**2.5000e-004**	**0.0225**	**6.0300e-003**	**2.3000e-004**	**6.2600e-003**	**0.0000**	**24.0790**	**24.0790**	**5.0000e-004**	**2.1900e-003**	**24.7443**

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

3.24 Site and Building #2 - ROMP11 - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0108	0.2010	0.3479	6.6000e-004		0.0137	0.0137		0.0137	0.0137	0.0000	57.1158	57.1158	2.0000e-003	0.0000	57.1657
Total	**0.0108**	**0.2010**	**0.3479**	**6.6000e-004**		**0.0137**	**0.0137**		**0.0137**	**0.0137**	**0.0000**	**57.1158**	**57.1158**	**2.0000e-003**	**0.0000**	**57.1657**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.8000e-004	0.0333	0.0105	1.4000e-004	5.0000e-003	1.9000e-004	5.2000e-003	1.4500e-003	1.8000e-004	1.6300e-003	0.0000	13.3362	13.3362	2.9000e-004	1.9300e-003	13.9197
Worker	3.6800e-003	2.0600e-003	0.0336	1.2000e-004	0.0172	6.0000e-005	0.0173	4.5800e-003	5.0000e-005	4.6300e-003	0.0000	10.7429	10.7429	2.1000e-004	2.6000e-004	10.8246
Total	**4.4600e-003**	**0.0354**	**0.0441**	**2.6000e-004**	**0.0222**	**2.5000e-004**	**0.0225**	**6.0300e-003**	**2.3000e-004**	**6.2600e-003**	**0.0000**	**24.0790**	**24.0790**	**5.0000e-004**	**2.1900e-003**	**24.7443**

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

3.25 Site and Building #2 - ROMP10 ArcCoa - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1530**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	4.0000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1265	0.1265	0.0000	0.0000	0.1275
Total	**4.0000e-005**	**3.0000e-005**	**4.0000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1265**	**0.1265**	**0.0000**	**0.0000**	**0.1275**

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

3.25 Site and Building #2 - ROMP10 ArcCoa - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1528**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	4.0000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1265	0.1265	0.0000	0.0000	0.1275
Total	**4.0000e-005**	**3.0000e-005**	**4.0000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1265**	**0.1265**	**0.0000**	**0.0000**	**0.1275**

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

3.26 Site and Building #2 - ROMP11 ArcCoa - 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	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3000e-004	8.6000e-004	1.8000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2556
Total	**1.1529**	**8.6000e-004**	**1.8000e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2556**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	2.0000e-005	3.9000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1238	0.1238	0.0000	0.0000	0.1247
Total	**4.0000e-005**	**2.0000e-005**	**3.9000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1238**	**0.1238**	**0.0000**	**0.0000**	**0.1247**

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

3.26 Site and Building #2 - ROMP11 ArcCoa - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0000e-005	1.3600e-003	1.8300e-003	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2556
Total	**1.1528**	**1.3600e-003**	**1.8300e-003**	**0.0000**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2556**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	2.0000e-005	3.9000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1238	0.1238	0.0000	0.0000	0.1247
Total	**4.0000e-005**	**2.0000e-005**	**3.9000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1238**	**0.1238**	**0.0000**	**0.0000**	**0.1247**

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Transit Subsidy

Provide Riade Sharing Program

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1349	0.1821	1.6494	4.1800e-003	0.5179	2.7000e-003	0.5206	0.1382	2.5100e-003	0.1408	0.0000	385.7208	385.7208	0.0182	0.0150	390.6417
Unmitigated	0.1349	0.1821	1.6494	4.1800e-003	0.5179	2.7000e-003	0.5206	0.1382	2.5100e-003	0.1408	0.0000	385.7208	385.7208	0.0182	0.0150	390.6417

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	215.82	215.82	215.82	1,401,619	1,401,619
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	215.82	215.82	215.82	1,401,619	1,401,619

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
General Light Industry	19.13	6.60	19.13	90.50	0.00	9.50	92	5	3
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.575564	0.056293	0.184251	0.115043	0.020151	0.005257	0.008159	0.006240	0.000877	0.000356	0.024310	0.000874	0.002624
Other Asphalt Surfaces	0.575564	0.056293	0.184251	0.115043	0.020151	0.005257	0.008159	0.006240	0.000877	0.000356	0.024310	0.000874	0.002624
Parking Lot	0.575564	0.056293	0.184251	0.115043	0.020151	0.005257	0.008159	0.006240	0.000877	0.000356	0.024310	0.000874	0.002624

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 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					
General Light Industry	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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**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

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					
General Light Industry	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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	4.33619e+008	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	2371.95	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			
General Light Industry	4.33619e+008	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	2371.95	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

Use Low VOC Cleaning Supplies

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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	0.9082	2.0000e-005	2.7000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.2700e-003	5.2700e-003	1.0000e-005	0.0000	5.6100e-003
Unmitigated	0.9719	2.0000e-005	2.7000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.2700e-003	5.2700e-003	1.0000e-005	0.0000	5.6100e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1153					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8564					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.5000e-004	2.0000e-005	2.7000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.2700e-003	5.2700e-003	1.0000e-005	0.0000	5.6100e-003
Total	**0.9719**	**2.0000e-005**	**2.7000e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**5.2700e-003**	**5.2700e-003**	**1.0000e-005**	**0.0000**	**5.6100e-003**

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	0.1153					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7927					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.5000e-004	2.0000e-005	2.7000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.2700e-003	5.2700e-003	1.0000e-005	0.0000	5.6100e-003
Total	**0.9083**	**2.0000e-005**	**2.7000e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**5.2700e-003**	**5.2700e-003**	**1.0000e-005**	**0.0000**	**5.6100e-003**

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 Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	15.9936	1.6427	0.0388	68.6195
Unmitigated	15.9936	1.6427	0.0388	68.6195

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	50.4125 / 0	15.9936	1.6427	0.0388	68.6195
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**15.9936**	**1.6427**	**0.0388**	**68.6195**

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			
General Light Industry	50.4125 / 0	15.9936	1.6427	0.0388	68.6195
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**15.9936**	**1.6427**	**0.0388**	**68.6195**

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	54.8725	3.2429	0.0000	135.9443
Unmitigated	54.8725	3.2429	0.0000	135.9443

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	270.32	54.8725	3.2429	0.0000	135.9443
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**54.8725**	**3.2429**	**0.0000**	**135.9443**

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			
General Light Industry	270.32	54.8725	3.2429	0.0000	135.9443
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**54.8725**	**3.2429**	**0.0000**	**135.9443**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

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

11.0 Vegetation

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

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	218.00	1000sqft	5.00	218,000.00	0
Other Asphalt Surfaces	70.16	1000sqft	1.61	70,156.00	0
Parking Lot	6.78	1000sqft	0.16	6,777.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2027
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 - 100% carbon-free electricity will be purchased.

Land Use - Per construction data provided by client.

Construction Phase - Per construction data provided by client.

Off-road Equipment - Per construction data provided by client, including Concrete Vibrator.

Off-road Equipment - Per construction data provided by the client.

Off-road Equipment - Per construction data provided by the client.

Off-road Equipment - Per construction data provided by the client.

Off-road Equipment - Per construction data provided by the client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by the client.

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

Off-road Equipment -

Off-road Equipment - Per construction data provided by the client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by the client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by the client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by the client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by the client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by the client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by the client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by the client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by the client.

Off-road Equipment -

Off-road Equipment - Per construction data provided by the client.

Off-road Equipment - Per construction data provided by the client.

Trips and VMT - Based on import and export volumes during construction.

Grading - Based on previously inputted construction data provided by client.

Vehicle Trips - Trip rate and trip length per Gilroy Data Center Project VMT Analysis (Hexagon, 2023).

Energy Use - 49.5MWhr per day. No proposed NG usage.

Construction Off-road Equipment Mitigation - Fugitive dust mitigation measures per BAAQMD CEQA Guidelines.

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	2.00

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

tblConstructionPhase	NumDays	20.00	2.00
tblConstructionPhase	NumDays	20.00	2.00
tblConstructionPhase	NumDays	20.00	2.00
tblConstructionPhase	NumDays	20.00	2.00
tblConstructionPhase	NumDays	20.00	2.00
tblConstructionPhase	NumDays	20.00	2.00
tblConstructionPhase	NumDays	20.00	2.00
tblConstructionPhase	NumDays	20.00	2.00
tblConstructionPhase	NumDays	20.00	2.00
tblConstructionPhase	NumDays	230.00	71.00
tblConstructionPhase	NumDays	230.00	71.00
tblConstructionPhase	NumDays	230.00	71.00
tblConstructionPhase	NumDays	230.00	71.00
tblConstructionPhase	NumDays	230.00	71.00
tblConstructionPhase	NumDays	230.00	71.00
tblConstructionPhase	NumDays	230.00	71.00
tblConstructionPhase	NumDays	230.00	105.00
tblConstructionPhase	NumDays	230.00	60.00
tblConstructionPhase	NumDays	230.00	86.00
tblConstructionPhase	NumDays	230.00	71.00
tblConstructionPhase	NumDays	230.00	71.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	20.00	91.00
tblConstructionPhase	NumDays	10.00	11.00
tblEnergyUse	LightingElect	3.08	756.34
tblEnergyUse	NT24E	3.70	908.59
tblEnergyUse	NT24NG	6.67	0.00
tblEnergyUse	T24E	1.32	324.15
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 Not Applied

tblGrading	AcresOfGrading	180.00	135.00
tblGrading	MaterialImported	0.00	105,000.00
tblLandUse	LandUseSquareFeet	70,160.00	70,156.00
tblLandUse	LandUseSquareFeet	6,780.00	6,777.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00

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

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

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

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

tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0
tblProjectCharacteristics	CO2IntensityFactor	203.98	0
tblProjectCharacteristics	N2OIntensityFactor	0.004	0
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripNumber	0.00	178.00
tblVehicleTrips	CC_TTP	28.00	0.00
tblVehicleTrips	CNW_TL	6.60	19.13
tblVehicleTrips	CNW_TTP	13.00	9.50
tblVehicleTrips	CW_TL	14.70	19.13
tblVehicleTrips	CW_TTP	59.00	90.50
tblVehicleTrips	ST_TR	1.99	0.99
tblVehicleTrips	SU_TR	5.00	0.99
tblVehicleTrips	WD_TR	4.96	0.99

2.0 Emissions Summary

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

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2026	0.1689	2.3335	1.7501	7.3000e-003	0.5007	0.0669	0.5676	0.1955	0.0622	0.2576	0.0000	683.3357	683.3357	0.1029	0.0602	703.8506
2027	3.1205	7.1152	8.6285	0.0187	0.2163	0.2919	0.5082	0.0586	0.2746	0.3331	0.0000	1,632.5208	1,632.5208	0.3496	0.0220	1,647.8003
2028	3.8121	2.9688	3.3400	7.5500e-003	0.1675	0.1159	0.2834	0.0454	0.1103	0.1557	0.0000	655.8478	655.8478	0.0930	0.0173	663.3298
2029	4.9661	2.9882	3.3556	7.5600e-003	0.1690	0.1168	0.2858	0.0458	0.1111	0.1569	0.0000	656.7481	656.7481	0.0936	0.0170	664.1472
2030	1.1921	0.2515	0.4305	1.0800e-003	0.0224	4.5000e-003	0.0269	6.0800e-003	4.4900e-003	0.0106	0.0000	92.6967	92.6967	3.3200e-003	2.1900e-003	93.4334
Maximum	**4.9661**	**7.1152**	**8.6285**	**0.0187**	**0.5007**	**0.2919**	**0.5676**	**0.1955**	**0.2746**	**0.3331**	**0.0000**	**1,632.5208**	**1,632.5208**	**0.3496**	**0.0602**	**1,647.8003**

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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					
2026	0.1689	2.3335	1.7501	7.3000e-003	0.2962	0.0669	0.3631	0.1074	0.0622	0.1696	0.0000	683.3353	683.3353	0.1029	0.0602	703.8503
2027	3.1205	7.1152	8.6285	0.0187	0.2163	0.2919	0.5082	0.0586	0.2746	0.3331	0.0000	1,632.5191	1,632.5191	0.3496	0.0220	1,647.7987
2028	3.8121	2.9688	3.3400	7.5500e-003	0.1675	0.1159	0.2834	0.0454	0.1103	0.1557	0.0000	655.8472	655.8472	0.0930	0.0173	663.3293
2029	4.9661	2.9882	3.3556	7.5600e-003	0.1690	0.1168	0.2858	0.0458	0.1111	0.1569	0.0000	656.7476	656.7476	0.0936	0.0170	664.1466
2030	1.1921	0.2515	0.4305	1.0800e-003	0.0224	4.5000e-003	0.0269	6.0800e-003	4.4900e-003	0.0106	0.0000	92.6966	92.6966	3.3200e-003	2.1900e-003	93.4333
Maximum	**4.9661**	**7.1152**	**8.6285**	**0.0187**	**0.2962**	**0.2919**	**0.5082**	**0.1074**	**0.2746**	**0.3331**	**0.0000**	**1,632.5191**	**1,632.5191**	**0.3496**	**0.0602**	**1,647.7987**

	ROG	NOx	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**	**19.01**	**0.00**	**12.23**	**25.06**	**0.00**	**9.64**	**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	**11-2-2026**	**2-1-2027**	2.9141	2.9141
2	**2-2-2027**	**5-1-2027**	1.7389	1.7389
3	**5-2-2027**	**8-1-2027**	32.0598	32.0598
4	**8-2-2027**	**11-1-2027**	41.0793	41.0793
5	**11-2-2027**	**2-1-2028**	37.9401	37.9401
6	**2-2-2028**	**5-1-2028**	39.1560	39.1560
7	**5-2-2028**	**8-1-2028**	39.9952	39.9952

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

8	**8-2-2028**	**11-1-2028**	32.9895	32.9895
9	**11-2-2028**	**2-1-2029**	15.2673	15.2673
10	**2-2-2029**	**5-1-2029**	38.3209	38.3209
11	**5-2-2029**	**8-1-2029**	39.1602	39.1602
12	**8-2-2029**	**11-1-2029**	39.9953	39.9953
13	**11-2-2029**	**2-1-2030**	19.2858	19.2858
14	**2-2-2030**	**5-1-2030**	7.9306	7.9306
		Highest	41.0793	41.0793

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	0.9719	2.0000e-005	2.7000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.2700e-003	5.2700e-003	1.0000e-005	0.0000	5.6100e-003
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	0.1349	0.1821	1.6494	4.1800e-003	0.5179	2.7000e-003	0.5206	0.1382	2.5100e-003	0.1408	0.0000	385.7208	385.7208	0.0182	0.0150	390.6417
Waste						0.0000	0.0000		0.0000	0.0000	54.8725	0.0000	54.8725	3.2429	0.0000	135.9443
Water						0.0000	0.0000		0.0000	0.0000	15.9936	0.0000	15.9936	1.6427	0.0388	68.6195
Total	**1.1068**	**0.1822**	**1.6521**	**4.1800e-003**	**0.5179**	**2.7100e-003**	**0.5206**	**0.1382**	**2.5200e-003**	**0.1408**	**70.8661**	**385.7261**	**456.5922**	**4.9037**	**0.0538**	**595.2112**

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	0.9082	2.0000e-005	2.7000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.2700e-003	5.2700e-003	1.0000e-005	0.0000	5.6100e-003
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	0.1349	0.1821	1.6494	4.1800e-003	0.5179	2.7000e-003	0.5206	0.1382	2.5100e-003	0.1408	0.0000	385.7208	385.7208	0.0182	0.0150	390.6417
Waste						0.0000	0.0000		0.0000	0.0000	54.8725	0.0000	54.8725	3.2429	0.0000	135.9443
Water						0.0000	0.0000		0.0000	0.0000	15.9936	0.0000	15.9936	1.6427	0.0388	68.6195
Total	**1.0431**	**0.1822**	**1.6521**	**4.1800e-003**	**0.5179**	**2.7100e-003**	**0.5206**	**0.1382**	**2.5200e-003**	**0.1408**	**70.8661**	**385.7261**	**456.5922**	**4.9037**	**0.0538**	**595.2112**

	ROG	NOx	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	**5.75**	**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	Site and Building #2 - Site Preparation	Site Preparation	11/2/2026	11/16/2026	5	11	
2	Site and Building #2 - Grading	Grading	11/2/2026	12/11/2026	5	30	
3	Site and Building #2 - Foundation	Building Construction	12/9/2026	5/4/2027	5	105	

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

4	Site and Building #2 - Structural/Building Exterior/Roof	Building Construction	4/14/2027	7/6/2027	5	60
5	Site and Building #2 - ROMP01	Building Construction	5/24/2027	9/20/2027	5	86
6	Site and Building #2 - Paving	Paving	5/26/2027	9/27/2027	5	91
7	Site and Building #2 - ROMP02	Building Construction	9/20/2027	12/27/2027	5	71
8	Site and Building #2 - ROMP01 ArcCoa	Architectural Coating	9/21/2027	9/22/2027	5	2
9	Site and Building #2 - ROMP03	Building Construction	12/27/2027	4/3/2028	5	71
10	Site and Building #2 - ROMP02 ArcCoa	Architectural Coating	12/28/2027	12/29/2027	5	2
11	Site and Building #2 - ROMP04	Building Construction	4/3/2028	7/10/2028	5	71
12	Site and Building #2 - ROMP03 ArcCoa	Architectural Coating	4/4/2028	4/5/2028	5	2
13	Site and Building #2 - ROMP05	Building Construction	7/10/2028	10/16/2028	5	71
14	Site and Building #2 - ROMP04 ArcCoa	Architectural Coating	7/11/2028	7/12/2028	5	2
15	Site and Building #2 - ROMP07	Building Construction	10/16/2028	1/22/2029	5	71
16	Site and Building #2 - ROMP05 ArcCoa	Architectural Coating	10/17/2028	10/18/2028	5	2
17	Site and Building #2 - ROMP08	Building Construction	1/22/2029	4/30/2029	5	71
18	Site and Building #2 - ROMP07 ArcCoa	Architectural Coating	1/23/2029	1/24/2029	5	2
19	Site and Building #2 - ROMP09	Building Construction	4/30/2029	8/6/2029	5	71
20	Site and Building #2 - ROMP08 ArcCoa	Architectural Coating	5/1/2029	5/2/2029	5	2
21	Site and Building #2 - ROMP10	Building Construction	8/6/2029	11/12/2029	5	71
22	Site and Building #2 - ROMP09 ArcCoa	Architectural Coating	8/7/2029	8/8/2029	5	2
23	Site and Building #2 - ROMP11	Building Construction	11/12/2029	2/18/2030	5	71
24	Site and Building #2 - ROMP10 ArcCoa	Architectural Coating	11/13/2029	11/14/2029	5	2
25	Site and Building #2 - ROMP11 ArcCoa	Architectural Coating	2/19/2030	2/20/2030	5	2

Acres of Grading (Site Preparation Phase): 44

Acres of Grading (Grading Phase): 135

Acres of Paving: 1.77

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

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 327,000; Non-Residential Outdoor: 109,000; Striped Parking Area: 4,616 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site and Building #2 - Site Preparation	Concrete/Industrial Saws	0	8.00	81	0.73
Site and Building #2 - Site Preparation	Excavators	4	8.00	158	0.38
Site and Building #2 - Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site and Building #2 - Site Preparation	Scrapers	4	8.00	367	0.48
Site and Building #2 - Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site and Building #2 - Grading	Excavators	3	8.00	158	0.38
Site and Building #2 - Grading	Graders	3	8.00	187	0.41
Site and Building #2 - Grading	Rollers	3	8.00	80	0.38
Site and Building #2 - Grading	Rubber Tired Dozers	3	8.00	247	0.40
Site and Building #2 - Grading	Scrapers	3	8.00	367	0.48
Site and Building #2 - Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site and Building #2 - Foundation	Bore/Drill Rigs	4	8.00	221	0.50
Site and Building #2 - Foundation	Cement and Mortar Mixers	4	8.00	9	0.56
Site and Building #2 - Foundation	Cranes	0	8.00	231	0.29
Site and Building #2 - Foundation	Excavators	3	8.00	158	0.38
Site and Building #2 - Foundation	Forklifts	0	8.00	89	0.20
Site and Building #2 - Foundation	Generator Sets	0	8.00	84	0.74
Site and Building #2 - Foundation	Other Construction Equipment	4	8.00	172	0.42
Site and Building #2 - Foundation	Pumps	4	8.00	84	0.74
Site and Building #2 - Foundation	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site and Building #2 - Foundation	Welders	0	8.00	46	0.45
Site and Building #2 - Structural/Building Exterior/Roof	Cement and Mortar Mixers	4	8.00	9	0.56
Site and Building #2 - Structural/Building Exterior/Roof	Cranes	2	8.00	231	0.29
Site and Building #2 - Structural/Building Exterior/Roof	Forklifts	6	8.00	89	0.20

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

Site and Building #2 - Structural/Building Exterior/Roof	Generator Sets	2	8.00	84	0.74
Site and Building #2 - Structural/Building Exterior/Roof	Other Construction Equipment	4	8.00	172	0.42
Site and Building #2 - Structural/Building Exterior/Roof	Pumps	4	8.00	84	0.74
Site and Building #2 - Structural/Building Exterior/Roof	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site and Building #2 - Structural/Building Exterior/Roof	Welders	4	8.00	46	0.45
Site and Building #2 - ROMP01	Air Compressors	0	8.00	78	0.48
Site and Building #2 - ROMP01	Cranes	2	8.00	231	0.29
Site and Building #2 - ROMP01	Forklifts	4	8.00	89	0.20
Site and Building #2 - ROMP01	Generator Sets	2	8.00	84	0.74
Site and Building #2 - ROMP01	Pressure Washers	2	8.00	13	0.30
Site and Building #2 - ROMP01	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #2 - ROMP01	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #2 - ROMP01	Welders	3	8.00	46	0.45
Site and Building #2 - Paving	Excavators	2	8.00	158	0.38
Site and Building #2 - Paving	Graders	2	8.00	187	0.41
Site and Building #2 - Paving	Pavers	2	8.00	130	0.42
Site and Building #2 - Paving	Paving Equipment	2	8.00	132	0.36
Site and Building #2 - Paving	Plate Compactors	2	8.00	8	0.43
Site and Building #2 - Paving	Pressure Washers	2	8.00	13	0.30
Site and Building #2 - Paving	Rollers	2	8.00	80	0.38
Site and Building #2 - Paving	Rubber Tired Dozers	2	8.00	247	0.40
Site and Building #2 - Paving	Scrapers	2	8.00	367	0.48
Site and Building #2 - Paving	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site and Building #2 - ROMP02	Air Compressors	0	8.00	78	0.48
Site and Building #2 - ROMP02	Cranes	2	8.00	231	0.29
Site and Building #2 - ROMP02	Forklifts	4	8.00	89	0.20
Site and Building #2 - ROMP02	Generator Sets	2	8.00	84	0.74
Site and Building #2 - ROMP02	Pressure Washers	2	8.00	13	0.30

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

Site and Building #2 - ROMP02	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #2 - ROMP02	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #2 - ROMP02	Welders	3	8.00	46	0.45
Site and Building #2 - ROMP01 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #2 - ROMP03	Air Compressors	0	8.00	78	0.48
Site and Building #2 - ROMP03	Cranes	2	8.00	231	0.29
Site and Building #2 - ROMP03	Forklifts	4	8.00	89	0.20
Site and Building #2 - ROMP03	Generator Sets	2	8.00	84	0.74
Site and Building #2 - ROMP03	Pressure Washers	2	8.00	13	0.30
Site and Building #2 - ROMP03	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #2 - ROMP03	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #2 - ROMP03	Welders	3	8.00	46	0.45
Site and Building #2 - ROMP02 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #2 - ROMP04	Air Compressors	0	8.00	78	0.48
Site and Building #2 - ROMP04	Cranes	2	8.00	231	0.29
Site and Building #2 - ROMP04	Forklifts	4	8.00	89	0.20
Site and Building #2 - ROMP04	Generator Sets	2	8.00	84	0.74
Site and Building #2 - ROMP04	Pressure Washers	2	8.00	13	0.30
Site and Building #2 - ROMP04	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #2 - ROMP04	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #2 - ROMP04	Welders	3	8.00	46	0.45
Site and Building #2 - ROMP03 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #2 - ROMP05	Air Compressors	0	8.00	78	0.48
Site and Building #2 - ROMP05	Cranes	2	8.00	231	0.29
Site and Building #2 - ROMP05	Forklifts	4	8.00	89	0.20
Site and Building #2 - ROMP05	Generator Sets	2	8.00	84	0.74
Site and Building #2 - ROMP05	Pressure Washers	2	8.00	13	0.30
Site and Building #2 - ROMP05	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #2 - ROMP05	Tractors/Loaders/Backhoes	0	8.00	97	0.37

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

Site and Building #2 - ROMP05	Welders	3	8.00	46	0.45
Site and Building #2 - ROMP04 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #2 - ROMP07	Air Compressors	0	8.00	78	0.48
Site and Building #2 - ROMP07	Cranes	2	8.00	231	0.29
Site and Building #2 - ROMP07	Forklifts	4	8.00	89	0.20
Site and Building #2 - ROMP07	Generator Sets	2	8.00	84	0.74
Site and Building #2 - ROMP07	Pressure Washers	2	8.00	13	0.30
Site and Building #2 - ROMP07	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #2 - ROMP07	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #2 - ROMP07	Welders	3	8.00	46	0.45
Site and Building #2 - ROMP05 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #2 - ROMP08	Air Compressors	0	8.00	78	0.48
Site and Building #2 - ROMP08	Cranes	2	8.00	231	0.29
Site and Building #2 - ROMP08	Forklifts	4	8.00	89	0.20
Site and Building #2 - ROMP08	Generator Sets	2	8.00	84	0.74
Site and Building #2 - ROMP08	Pressure Washers	2	8.00	13	0.30
Site and Building #2 - ROMP08	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #2 - ROMP08	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #2 - ROMP08	Welders	3	8.00	46	0.45
Site and Building #2 - ROMP07 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #2 - ROMP09	Air Compressors	0	8.00	78	0.48
Site and Building #2 - ROMP09	Cranes	2	8.00	231	0.29
Site and Building #2 - ROMP09	Forklifts	4	8.00	89	0.20
Site and Building #2 - ROMP09	Generator Sets	2	8.00	84	0.74
Site and Building #2 - ROMP09	Pressure Washers	2	8.00	13	0.30
Site and Building #2 - ROMP09	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #2 - ROMP09	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #2 - ROMP09	Welders	3	8.00	46	0.45
Site and Building #2 - ROMP08 ArcCoa	Air Compressors	1	6.00	78	0.48

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

Site and Building #2 - ROMP10	Air Compressors	0	8.00	78	0.48
Site and Building #2 - ROMP10	Cranes	2	8.00	231	0.29
Site and Building #2 - ROMP10	Forklifts	4	8.00	89	0.20
Site and Building #2 - ROMP10	Generator Sets	2	8.00	84	0.74
Site and Building #2 - ROMP10	Pressure Washers	2	8.00	13	0.30
Site and Building #2 - ROMP10	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #2 - ROMP10	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #2 - ROMP10	Welders	3	8.00	46	0.45
Site and Building #2 - ROMP09 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #2 - ROMP11	Air Compressors	0	8.00	78	0.48
Site and Building #2 - ROMP11	Cranes	2	8.00	231	0.29
Site and Building #2 - ROMP11	Forklifts	4	8.00	89	0.20
Site and Building #2 - ROMP11	Generator Sets	2	8.00	84	0.74
Site and Building #2 - ROMP11	Pressure Washers	2	8.00	13	0.30
Site and Building #2 - ROMP11	Sweepers/Scrubbers	1	8.00	64	0.46
Site and Building #2 - ROMP11	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site and Building #2 - ROMP11	Welders	3	8.00	46	0.45
Site and Building #2 - ROMP10 ArcCoa	Air Compressors	1	6.00	78	0.48
Site and Building #2 - ROMP11 ArcCoa	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site and Building #2 - Site Preparation	12	30.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - Grading	18	45.00	0.00	13,125.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - Foundation	22	124.00	48.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - Structural/Building Ext.	27	124.00	48.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP01	14	124.00	48.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

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

Site and Building #2 - Paving	20	50.00	0.00	178.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP02	14	124.00	48.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP01 ArcCoa	1	25.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP03	14	124.00	48.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP02 ArcCoa	1	25.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP04	14	124.00	48.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP03 ArcCoa	1	25.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP05	14	124.00	48.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP04 ArcCoa	1	25.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP07	14	124.00	48.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP05 ArcCoa	1	25.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP08	14	124.00	48.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP07 ArcCoa	1	25.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP09	14	124.00	48.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP08 ArcCoa	1	25.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP10	14	124.00	48.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP09 ArcCoa	1	25.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP11	14	124.00	48.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP10 ArcCoa	1	25.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site and Building #2 - ROMP11 ArcCoa	1	25.00	0.00	0.00	10.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

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

3.2 Site and Building #2 - Site Preparation - 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					0.0233	0.0000	0.0233	2.5200e-003	0.0000	2.5200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0214	0.1964	0.2391	5.2000e-004		8.0200e-003	8.0200e-003		7.3800e-003	7.3800e-003	0.0000	45.3156	45.3156	0.0147	0.0000	45.6820
Total	**0.0214**	**0.1964**	**0.2391**	**5.2000e-004**	**0.0233**	**8.0200e-003**	**0.0314**	**2.5200e-003**	**7.3800e-003**	**9.9000e-003**	**0.0000**	**45.3156**	**45.3156**	**0.0147**	**0.0000**	**45.6820**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-004	2.1000e-004	3.0400e-003	1.0000e-005	1.3100e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.9043	0.9043	2.0000e-005	2.0000e-005	0.9116
Total	**3.4000e-004**	**2.1000e-004**	**3.0400e-003**	**1.0000e-005**	**1.3100e-003**	**1.0000e-005**	**1.3100e-003**	**3.5000e-004**	**1.0000e-005**	**3.5000e-004**	**0.0000**	**0.9043**	**0.9043**	**2.0000e-005**	**2.0000e-005**	**0.9116**

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

3.2 Site and Building #2 - Site Preparation - 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					0.0105	0.0000	0.0105	1.1300e-003	0.0000	1.1300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0214	0.1964	0.2391	5.2000e-004		8.0200e-003	8.0200e-003		7.3800e-003	7.3800e-003	0.0000	45.3156	45.3156	0.0147	0.0000	45.6820
Total	**0.0214**	**0.1964**	**0.2391**	**5.2000e-004**	**0.0105**	**8.0200e-003**	**0.0185**	**1.1300e-003**	**7.3800e-003**	**8.5100e-003**	**0.0000**	**45.3156**	**45.3156**	**0.0147**	**0.0000**	**45.6820**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-004	2.1000e-004	3.0400e-003	1.0000e-005	1.3100e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	0.9043	0.9043	2.0000e-005	2.0000e-005	0.9116
Total	**3.4000e-004**	**2.1000e-004**	**3.0400e-003**	**1.0000e-005**	**1.3100e-003**	**1.0000e-005**	**1.3100e-003**	**3.5000e-004**	**1.0000e-005**	**3.5000e-004**	**0.0000**	**0.9043**	**0.9043**	**2.0000e-005**	**2.0000e-005**	**0.9116**

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

3.3 Site and Building #2 - 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					0.3485	0.0000	0.3485	0.1576	0.0000	0.1576	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0930	0.9206	0.7789	1.8600e-003		0.0377	0.0377		0.0347	0.0347	0.0000	162.9586	162.9586	0.0527	0.0000	164.2762
Total	**0.0930**	**0.9206**	**0.7789**	**1.8600e-003**	**0.3485**	**0.0377**	**0.3863**	**0.1576**	**0.0347**	**0.1923**	**0.0000**	**162.9586**	**162.9586**	**0.0527**	**0.0000**	**164.2762**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0135	0.8799	0.2100	3.7500e-003	0.1114	7.2400e-003	0.1187	0.0306	6.9300e-003	0.0376	0.0000	371.5579	371.5579	0.0130	0.0589	389.4426
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4100e-003	8.6000e-004	0.0125	4.0000e-005	5.3500e-003	2.0000e-005	5.3800e-003	1.4200e-003	2.0000e-005	1.4400e-003	0.0000	3.6992	3.6992	9.0000e-005	9.0000e-005	3.7295
Total	**0.0149**	**0.8807**	**0.2225**	**3.7900e-003**	**0.1168**	**7.2600e-003**	**0.1240**	**0.0321**	**6.9500e-003**	**0.0390**	**0.0000**	**375.2572**	**375.2572**	**0.0131**	**0.0590**	**393.1720**

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

3.3 Site and Building #2 - Grading - 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					0.1568	0.0000	0.1568	0.0709	0.0000	0.0709	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0930	0.9206	0.7789	1.8600e-003		0.0377	0.0377		0.0347	0.0347	0.0000	162.9584	162.9584	0.0527	0.0000	164.2760
Total	**0.0930**	**0.9206**	**0.7789**	**1.8600e-003**	**0.1568**	**0.0377**	**0.1946**	**0.0709**	**0.0347**	**0.1056**	**0.0000**	**162.9584**	**162.9584**	**0.0527**	**0.0000**	**164.2760**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0135	0.8799	0.2100	3.7500e-003	0.1114	7.2400e-003	0.1187	0.0306	6.9300e-003	0.0376	0.0000	371.5579	371.5579	0.0130	0.0589	389.4426
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4100e-003	8.6000e-004	0.0125	4.0000e-005	5.3500e-003	2.0000e-005	5.3800e-003	1.4200e-003	2.0000e-005	1.4400e-003	0.0000	3.6992	3.6992	9.0000e-005	9.0000e-005	3.7295
Total	**0.0149**	**0.8807**	**0.2225**	**3.7900e-003**	**0.1168**	**7.2600e-003**	**0.1240**	**0.0321**	**6.9500e-003**	**0.0390**	**0.0000**	**375.2572**	**375.2572**	**0.0131**	**0.0590**	**393.1720**

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

3.4 Site and Building #2 - 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	0.0366	0.3175	0.4819	9.9000e-004		0.0138	0.0138		0.0130	0.0130	0.0000	86.0932	86.0932	0.0221	0.0000	86.6448
Total	**0.0366**	**0.3175**	**0.4819**	**9.9000e-004**		**0.0138**	**0.0138**		**0.0130**	**0.0130**	**0.0000**	**86.0932**	**86.0932**	**0.0221**	**0.0000**	**86.6448**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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-004	0.0167	5.2700e-003	7.0000e-005	2.4300e-003	1.0000e-004	2.5300e-003	7.0000e-004	9.0000e-005	8.0000e-004	0.0000	7.0306	7.0306	1.5000e-004	1.0300e-003	7.3405
Worker	2.2000e-003	1.3500e-003	0.0194	6.0000e-005	8.3600e-003	4.0000e-005	8.4000e-003	2.2200e-003	3.0000e-005	2.2600e-003	0.0000	5.7763	5.7763	1.4000e-004	1.5000e-004	5.8235
Total	**2.6000e-003**	**0.0181**	**0.0247**	**1.3000e-004**	**0.0108**	**1.4000e-004**	**0.0109**	**2.9200e-003**	**1.2000e-004**	**3.0600e-003**	**0.0000**	**12.8068**	**12.8068**	**2.9000e-004**	**1.1800e-003**	**13.1639**

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

3.4 Site and Building #2 - 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	0.0366	0.3175	0.4819	9.9000e-004		0.0138	0.0138		0.0130	0.0130	0.0000	86.0931	86.0931	0.0221	0.0000	86.6447
Total	**0.0366**	**0.3175**	**0.4819**	**9.9000e-004**		**0.0138**	**0.0138**		**0.0130**	**0.0130**	**0.0000**	**86.0931**	**86.0931**	**0.0221**	**0.0000**	**86.6447**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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-004	0.0167	5.2700e-003	7.0000e-005	2.4300e-003	1.0000e-004	2.5300e-003	7.0000e-004	9.0000e-005	8.0000e-004	0.0000	7.0306	7.0306	1.5000e-004	1.0300e-003	7.3405
Worker	2.2000e-003	1.3500e-003	0.0194	6.0000e-005	8.3600e-003	4.0000e-005	8.4000e-003	2.2200e-003	3.0000e-005	2.2600e-003	0.0000	5.7763	5.7763	1.4000e-004	1.5000e-004	5.8235
Total	**2.6000e-003**	**0.0181**	**0.0247**	**1.3000e-004**	**0.0108**	**1.4000e-004**	**0.0109**	**2.9200e-003**	**1.2000e-004**	**3.0600e-003**	**0.0000**	**12.8068**	**12.8068**	**2.9000e-004**	**1.1800e-003**	**13.1639**

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

3.4 Site and Building #2 - Foundation - 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	0.1897	1.6436	2.4944	5.1300e-003		0.0712	0.0712		0.0672	0.0672	0.0000	445.6590	445.6590	0.1142	0.0000	448.5144
Total	**0.1897**	**1.6436**	**2.4944**	**5.1300e-003**		**0.0712**	**0.0712**		**0.0672**	**0.0672**	**0.0000**	**445.6590**	**445.6590**	**0.1142**	**0.0000**	**448.5144**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0300e-003	0.0858	0.0270	3.7000e-004	0.0126	5.0000e-004	0.0131	3.6400e-003	4.8000e-004	4.1100e-003	0.0000	35.6782	35.6782	7.7000e-004	5.2000e-003	37.2482
Worker	0.0108	6.4100e-003	0.0956	3.2000e-004	0.0433	1.7000e-004	0.0435	0.0115	1.6000e-004	0.0117	0.0000	29.0548	29.0548	6.6000e-004	7.2000e-004	29.2868
Total	**0.0128**	**0.0922**	**0.1226**	**6.9000e-004**	**0.0559**	**6.7000e-004**	**0.0565**	**0.0152**	**6.4000e-004**	**0.0158**	**0.0000**	**64.7330**	**64.7330**	**1.4300e-003**	**5.9200e-003**	**66.5350**

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

3.4 Site and Building #2 - Foundation - 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	0.1897	1.6436	2.4944	5.1300e-003		0.0712	0.0712		0.0672	0.0672	0.0000	445.6585	445.6585	0.1142	0.0000	448.5139
Total	**0.1897**	**1.6436**	**2.4944**	**5.1300e-003**		**0.0712**	**0.0712**		**0.0672**	**0.0672**	**0.0000**	**445.6585**	**445.6585**	**0.1142**	**0.0000**	**448.5139**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0300e-003	0.0858	0.0270	3.7000e-004	0.0126	5.0000e-004	0.0131	3.6400e-003	4.8000e-004	4.1100e-003	0.0000	35.6782	35.6782	7.7000e-004	5.2000e-003	37.2482
Worker	0.0108	6.4100e-003	0.0956	3.2000e-004	0.0433	1.7000e-004	0.0435	0.0115	1.6000e-004	0.0117	0.0000	29.0548	29.0548	6.6000e-004	7.2000e-004	29.2868
Total	**0.0128**	**0.0922**	**0.1226**	**6.9000e-004**	**0.0559**	**6.7000e-004**	**0.0565**	**0.0152**	**6.4000e-004**	**0.0158**	**0.0000**	**64.7330**	**64.7330**	**1.4300e-003**	**5.9200e-003**	**66.5350**

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

3.5 Site and Building #2 - Structural/Building Exterior/Roof - 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	0.1580	1.3489	1.7553	3.0300e-003		0.0592	0.0592		0.0564	0.0564	0.0000	257.8013	257.8013	0.0481	0.0000	259.0040
Total	**0.1580**	**1.3489**	**1.7553**	**3.0300e-003**		**0.0592**	**0.0592**		**0.0564**	**0.0564**	**0.0000**	**257.8013**	**257.8013**	**0.0481**	**0.0000**	**259.0040**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3900e-003	0.0585	0.0184	2.5000e-004	8.5700e-003	3.4000e-004	8.9200e-003	2.4800e-003	3.3000e-004	2.8100e-003	0.0000	24.3260	24.3260	5.2000e-004	3.5500e-003	25.3965
Worker	7.3700e-003	4.3700e-003	0.0652	2.2000e-004	0.0295	1.2000e-004	0.0296	7.8500e-003	1.1000e-004	7.9600e-003	0.0000	19.8101	19.8101	4.5000e-004	4.9000e-004	19.9683
Total	**8.7600e-003**	**0.0629**	**0.0836**	**4.7000e-004**	**0.0381**	**4.6000e-004**	**0.0385**	**0.0103**	**4.4000e-004**	**0.0108**	**0.0000**	**44.1361**	**44.1361**	**9.7000e-004**	**4.0400e-003**	**45.3648**

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

3.5 Site and Building #2 - Structural/Building Exterior/Roof - 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	0.1580	1.3489	1.7553	3.0300e-003		0.0592	0.0592		0.0564	0.0564	0.0000	257.8010	257.8010	0.0481	0.0000	259.0037
Total	**0.1580**	**1.3489**	**1.7553**	**3.0300e-003**		**0.0592**	**0.0592**		**0.0564**	**0.0564**	**0.0000**	**257.8010**	**257.8010**	**0.0481**	**0.0000**	**259.0037**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3900e-003	0.0585	0.0184	2.5000e-004	8.5700e-003	3.4000e-004	8.9200e-003	2.4800e-003	3.3000e-004	2.8100e-003	0.0000	24.3260	24.3260	5.2000e-004	3.5500e-003	25.3965
Worker	7.3700e-003	4.3700e-003	0.0652	2.2000e-004	0.0295	1.2000e-004	0.0296	7.8500e-003	1.1000e-004	7.9600e-003	0.0000	19.8101	19.8101	4.5000e-004	4.9000e-004	19.9683
Total	**8.7600e-003**	**0.0629**	**0.0836**	**4.7000e-004**	**0.0381**	**4.6000e-004**	**0.0385**	**0.0103**	**4.4000e-004**	**0.0108**	**0.0000**	**44.1361**	**44.1361**	**9.7000e-004**	**4.0400e-003**	**45.3648**

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

3.6 Site and Building #2 - ROMP01 - 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	0.1035	0.8805	0.9746	1.8100e-003		0.0372	0.0372		0.0354	0.0354	0.0000	152.2377	152.2377	0.0291	0.0000	152.9644
Total	**0.1035**	**0.8805**	**0.9746**	**1.8100e-003**		**0.0372**	**0.0372**		**0.0354**	**0.0354**	**0.0000**	**152.2377**	**152.2377**	**0.0291**	**0.0000**	**152.9644**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9900e-003	0.0838	0.0264	3.6000e-004	0.0123	4.9000e-004	0.0128	3.5500e-003	4.7000e-004	4.0200e-003	0.0000	34.8673	34.8673	7.5000e-004	5.0900e-003	36.4017
Worker	0.0106	6.2600e-003	0.0934	3.1000e-004	0.0423	1.7000e-004	0.0425	0.0113	1.6000e-004	0.0114	0.0000	28.3945	28.3945	6.4000e-004	7.1000e-004	28.6212
Total	**0.0126**	**0.0901**	**0.1198**	**6.7000e-004**	**0.0546**	**6.6000e-004**	**0.0552**	**0.0148**	**6.3000e-004**	**0.0154**	**0.0000**	**63.2618**	**63.2618**	**1.3900e-003**	**5.8000e-003**	**65.0229**

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

3.6 Site and Building #2 - ROMP01 - 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	0.1035	0.8805	0.9746	1.8100e-003		0.0372	0.0372		0.0354	0.0354	0.0000	152.2375	152.2375	0.0291	0.0000	152.9642
Total	**0.1035**	**0.8805**	**0.9746**	**1.8100e-003**		**0.0372**	**0.0372**		**0.0354**	**0.0354**	**0.0000**	**152.2375**	**152.2375**	**0.0291**	**0.0000**	**152.9642**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9900e-003	0.0838	0.0264	3.6000e-004	0.0123	4.9000e-004	0.0128	3.5500e-003	4.7000e-004	4.0200e-003	0.0000	34.8673	34.8673	7.5000e-004	5.0900e-003	36.4017
Worker	0.0106	6.2600e-003	0.0934	3.1000e-004	0.0423	1.7000e-004	0.0425	0.0113	1.6000e-004	0.0114	0.0000	28.3945	28.3945	6.4000e-004	7.1000e-004	28.6212
Total	**0.0126**	**0.0901**	**0.1198**	**6.7000e-004**	**0.0546**	**6.6000e-004**	**0.0552**	**0.0148**	**6.3000e-004**	**0.0154**	**0.0000**	**63.2618**	**63.2618**	**1.3900e-003**	**5.8000e-003**	**65.0229**

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

3.7 Site and Building #2 - Paving - 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	0.2198	2.1228	2.0649	4.5400e-003		0.0888	0.0888		0.0818	0.0818	0.0000	396.8087	396.8087	0.1270	0.0000	399.9838
Paving	2.2700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2221**	**2.1228**	**2.0649**	**4.5400e-003**		**0.0888**	**0.0888**		**0.0818**	**0.0818**	**0.0000**	**396.8087**	**396.8087**	**0.1270**	**0.0000**	**399.9838**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8000e-004	0.0116	2.7900e-003	5.0000e-005	1.4800e-003	1.0000e-004	1.5700e-003	4.1000e-004	9.0000e-005	5.0000e-004	0.0000	4.8162	4.8162	1.7000e-004	7.6000e-004	5.0480
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4100e-003	2.6100e-003	0.0390	1.3000e-004	0.0177	7.0000e-005	0.0177	4.6900e-003	7.0000e-005	4.7600e-003	0.0000	11.8488	11.8488	2.7000e-004	2.9000e-004	11.9434
Total	**4.5900e-003**	**0.0142**	**0.0418**	**1.8000e-004**	**0.0191**	**1.7000e-004**	**0.0193**	**5.1000e-003**	**1.6000e-004**	**5.2600e-003**	**0.0000**	**16.6650**	**16.6650**	**4.4000e-004**	**1.0500e-003**	**16.9914**

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

3.7 Site and Building #2 - Paving - 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	0.2198	2.1228	2.0649	4.5400e-003		0.0888	0.0888		0.0818	0.0818	0.0000	396.8083	396.8083	0.1270	0.0000	399.9834
Paving	2.2700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2221**	**2.1228**	**2.0649**	**4.5400e-003**		**0.0888**	**0.0888**		**0.0818**	**0.0818**	**0.0000**	**396.8083**	**396.8083**	**0.1270**	**0.0000**	**399.9834**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8000e-004	0.0116	2.7900e-003	5.0000e-005	1.4800e-003	1.0000e-004	1.5700e-003	4.1000e-004	9.0000e-005	5.0000e-004	0.0000	4.8162	4.8162	1.7000e-004	7.6000e-004	5.0480
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4100e-003	2.6100e-003	0.0390	1.3000e-004	0.0177	7.0000e-005	0.0177	4.6900e-003	7.0000e-005	4.7600e-003	0.0000	11.8488	11.8488	2.7000e-004	2.9000e-004	11.9434
Total	**4.5900e-003**	**0.0142**	**0.0418**	**1.8000e-004**	**0.0191**	**1.7000e-004**	**0.0193**	**5.1000e-003**	**1.6000e-004**	**5.2600e-003**	**0.0000**	**16.6650**	**16.6650**	**4.4000e-004**	**1.0500e-003**	**16.9914**

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

3.8 Site and Building #2 - ROMP02 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6400e-003	0.0692	0.0218	3.0000e-004	0.0102	4.0000e-004	0.0106	2.9300e-003	3.9000e-004	3.3200e-003	0.0000	28.7858	28.7858	6.2000e-004	4.2000e-003	30.0525
Worker	8.7200e-003	5.1700e-003	0.0771	2.6000e-004	0.0349	1.4000e-004	0.0351	9.2900e-003	1.3000e-004	9.4200e-003	0.0000	23.4419	23.4419	5.3000e-004	5.8000e-004	23.6291
Total	**0.0104**	**0.0744**	**0.0989**	**5.6000e-004**	**0.0451**	**5.4000e-004**	**0.0456**	**0.0122**	**5.2000e-004**	**0.0127**	**0.0000**	**52.2277**	**52.2277**	**1.1500e-003**	**4.7800e-003**	**53.6817**

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

3.8 Site and Building #2 - ROMP02 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6844	125.6844	0.0240	0.0000	126.2844
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6844**	**125.6844**	**0.0240**	**0.0000**	**126.2844**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6400e-003	0.0692	0.0218	3.0000e-004	0.0102	4.0000e-004	0.0106	2.9300e-003	3.9000e-004	3.3200e-003	0.0000	28.7858	28.7858	6.2000e-004	4.2000e-003	30.0525
Worker	8.7200e-003	5.1700e-003	0.0771	2.6000e-004	0.0349	1.4000e-004	0.0351	9.2900e-003	1.3000e-004	9.4200e-003	0.0000	23.4419	23.4419	5.3000e-004	5.8000e-004	23.6291
Total	**0.0104**	**0.0744**	**0.0989**	**5.6000e-004**	**0.0451**	**5.4000e-004**	**0.0456**	**0.0122**	**5.2000e-004**	**0.0127**	**0.0000**	**52.2277**	**52.2277**	**1.1500e-003**	**4.7800e-003**	**53.6817**

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

3.9 Site and Building #2 - ROMP01 ArcCoa - 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	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1530**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	3.0000e-005	4.4000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1331	0.1331	0.0000	0.0000	0.1342
Total	**5.0000e-005**	**3.0000e-005**	**4.4000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1331**	**0.1331**	**0.0000**	**0.0000**	**0.1342**

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

3.9 Site and Building #2 - ROMP01 ArcCoa - 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	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1530**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	3.0000e-005	4.4000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1331	0.1331	0.0000	0.0000	0.1342
Total	**5.0000e-005**	**3.0000e-005**	**4.4000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1331**	**0.1331**	**0.0000**	**0.0000**	**0.1342**

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

3.10 Site and Building #2 - ROMP03 - 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	6.0200e-003	0.0512	0.0567	1.1000e-004		2.1600e-003	2.1600e-003		2.0600e-003	2.0600e-003	0.0000	8.8510	8.8510	1.6900e-003	0.0000	8.8933
Total	**6.0200e-003**	**0.0512**	**0.0567**	**1.1000e-004**		**2.1600e-003**	**2.1600e-003**		**2.0600e-003**	**2.0600e-003**	**0.0000**	**8.8510**	**8.8510**	**1.6900e-003**	**0.0000**	**8.8933**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2000e-004	4.8700e-003	1.5300e-003	2.0000e-005	7.1000e-004	3.0000e-005	7.4000e-004	2.1000e-004	3.0000e-005	2.3000e-004	0.0000	2.0272	2.0272	4.0000e-005	3.0000e-004	2.1164
Worker	6.1000e-004	3.6000e-004	5.4300e-003	2.0000e-005	2.4600e-003	1.0000e-005	2.4700e-003	6.5000e-004	1.0000e-005	6.6000e-004	0.0000	1.6508	1.6508	4.0000e-005	4.0000e-005	1.6640
Total	**7.3000e-004**	**5.2300e-003**	**6.9600e-003**	**4.0000e-005**	**3.1700e-003**	**4.0000e-005**	**3.2100e-003**	**8.6000e-004**	**4.0000e-005**	**8.9000e-004**	**0.0000**	**3.6780**	**3.6780**	**8.0000e-005**	**3.4000e-004**	**3.7804**

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

3.10 Site and Building #2 - ROMP03 - 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	6.0200e-003	0.0512	0.0567	1.1000e-004		2.1600e-003	2.1600e-003		2.0600e-003	2.0600e-003	0.0000	8.8510	8.8510	1.6900e-003	0.0000	8.8933
Total	**6.0200e-003**	**0.0512**	**0.0567**	**1.1000e-004**		**2.1600e-003**	**2.1600e-003**		**2.0600e-003**	**2.0600e-003**	**0.0000**	**8.8510**	**8.8510**	**1.6900e-003**	**0.0000**	**8.8933**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2000e-004	4.8700e-003	1.5300e-003	2.0000e-005	7.1000e-004	3.0000e-005	7.4000e-004	2.1000e-004	3.0000e-005	2.3000e-004	0.0000	2.0272	2.0272	4.0000e-005	3.0000e-004	2.1164
Worker	6.1000e-004	3.6000e-004	5.4300e-003	2.0000e-005	2.4600e-003	1.0000e-005	2.4700e-003	6.5000e-004	1.0000e-005	6.6000e-004	0.0000	1.6508	1.6508	4.0000e-005	4.0000e-005	1.6640
Total	**7.3000e-004**	**5.2300e-003**	**6.9600e-003**	**4.0000e-005**	**3.1700e-003**	**4.0000e-005**	**3.2100e-003**	**8.6000e-004**	**4.0000e-005**	**8.9000e-004**	**0.0000**	**3.6780**	**3.6780**	**8.0000e-005**	**3.4000e-004**	**3.7804**

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

3.10 Site and Building #2 - ROMP03 - 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	0.0794	0.6758	0.7479	1.3900e-003		0.0286	0.0286		0.0272	0.0272	0.0000	116.8336	116.8336	0.0223	0.0000	117.3913
Total	**0.0794**	**0.6758**	**0.7479**	**1.3900e-003**		**0.0286**	**0.0286**		**0.0272**	**0.0272**	**0.0000**	**116.8336**	**116.8336**	**0.0223**	**0.0000**	**117.3913**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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-003	0.0639	0.0201	2.7000e-004	9.4300e-003	3.7000e-004	9.8000e-003	2.7300e-003	3.6000e-004	3.0800e-003	0.0000	26.2398	26.2398	5.7000e-004	3.8200e-003	27.3924
Worker	7.7000e-003	4.4500e-003	0.0685	2.3000e-004	0.0325	1.2000e-004	0.0326	8.6300e-003	1.1000e-004	8.7400e-003	0.0000	21.2222	21.2222	4.6000e-004	5.2000e-004	21.3885
Total	**9.2000e-003**	**0.0684**	**0.0886**	**5.0000e-004**	**0.0419**	**4.9000e-004**	**0.0424**	**0.0114**	**4.7000e-004**	**0.0118**	**0.0000**	**47.4620**	**47.4620**	**1.0300e-003**	**4.3400e-003**	**48.7809**

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

3.10 Site and Building #2 - ROMP03 - 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	0.0794	0.6758	0.7479	1.3900e-003		0.0286	0.0286		0.0272	0.0272	0.0000	116.8334	116.8334	0.0223	0.0000	117.3911
Total	**0.0794**	**0.6758**	**0.7479**	**1.3900e-003**		**0.0286**	**0.0286**		**0.0272**	**0.0272**	**0.0000**	**116.8334**	**116.8334**	**0.0223**	**0.0000**	**117.3911**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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-003	0.0639	0.0201	2.7000e-004	9.4300e-003	3.7000e-004	9.8000e-003	2.7300e-003	3.6000e-004	3.0800e-003	0.0000	26.2398	26.2398	5.7000e-004	3.8200e-003	27.3924
Worker	7.7000e-003	4.4500e-003	0.0685	2.3000e-004	0.0325	1.2000e-004	0.0326	8.6300e-003	1.1000e-004	8.7400e-003	0.0000	21.2222	21.2222	4.6000e-004	5.2000e-004	21.3885
Total	**9.2000e-003**	**0.0684**	**0.0886**	**5.0000e-004**	**0.0419**	**4.9000e-004**	**0.0424**	**0.0114**	**4.7000e-004**	**0.0118**	**0.0000**	**47.4620**	**47.4620**	**1.0300e-003**	**4.3400e-003**	**48.7809**

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

3.11 Site and Building #2 - ROMP02 ArcCoa - 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	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1530**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	3.0000e-005	4.4000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1331	0.1331	0.0000	0.0000	0.1342
Total	**5.0000e-005**	**3.0000e-005**	**4.4000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1331**	**0.1331**	**0.0000**	**0.0000**	**0.1342**

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

3.11 Site and Building #2 - ROMP02 ArcCoa - 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	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1530**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	3.0000e-005	4.4000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1331	0.1331	0.0000	0.0000	0.1342
Total	**5.0000e-005**	**3.0000e-005**	**4.4000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1331**	**0.1331**	**0.0000**	**0.0000**	**0.1342**

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

3.12 Site and Building #2 - ROMP04 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6200e-003	0.0688	0.0216	2.9000e-004	0.0102	4.0000e-004	0.0106	2.9300e-003	3.8000e-004	3.3200e-003	0.0000	28.2277	28.2277	6.1000e-004	4.1100e-003	29.4675
Worker	8.2800e-003	4.7900e-003	0.0737	2.5000e-004	0.0349	1.3000e-004	0.0351	9.2900e-003	1.2000e-004	9.4100e-003	0.0000	22.8299	22.8299	4.9000e-004	5.6000e-004	23.0088
Total	**9.9000e-003**	**0.0736**	**0.0953**	**5.4000e-004**	**0.0451**	**5.3000e-004**	**0.0456**	**0.0122**	**5.0000e-004**	**0.0127**	**0.0000**	**51.0576**	**51.0576**	**1.1000e-003**	**4.6700e-003**	**52.4764**

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

3.12 Site and Building #2 - ROMP04 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6844	125.6844	0.0240	0.0000	126.2844
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6844**	**125.6844**	**0.0240**	**0.0000**	**126.2844**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6200e-003	0.0688	0.0216	2.9000e-004	0.0102	4.0000e-004	0.0106	2.9300e-003	3.8000e-004	3.3200e-003	0.0000	28.2277	28.2277	6.1000e-004	4.1100e-003	29.4675
Worker	8.2800e-003	4.7900e-003	0.0737	2.5000e-004	0.0349	1.3000e-004	0.0351	9.2900e-003	1.2000e-004	9.4100e-003	0.0000	22.8299	22.8299	4.9000e-004	5.6000e-004	23.0088
Total	**9.9000e-003**	**0.0736**	**0.0953**	**5.4000e-004**	**0.0451**	**5.3000e-004**	**0.0456**	**0.0122**	**5.0000e-004**	**0.0127**	**0.0000**	**51.0576**	**51.0576**	**1.1000e-003**	**4.6700e-003**	**52.4764**

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

3.13 Site and Building #2 - ROMP03 ArcCoa - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1530**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	3.0000e-005	4.2000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1297	0.1297	0.0000	0.0000	0.1307
Total	**5.0000e-005**	**3.0000e-005**	**4.2000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1297**	**0.1297**	**0.0000**	**0.0000**	**0.1307**

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

3.13 Site and Building #2 - ROMP03 ArcCoa - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1530**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	3.0000e-005	4.2000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1297	0.1297	0.0000	0.0000	0.1307
Total	**5.0000e-005**	**3.0000e-005**	**4.2000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1297**	**0.1297**	**0.0000**	**0.0000**	**0.1307**

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

3.14 Site and Building #2 - ROMP05 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6200e-003	0.0688	0.0216	2.9000e-004	0.0102	4.0000e-004	0.0106	2.9300e-003	3.8000e-004	3.3200e-003	0.0000	28.2277	28.2277	6.1000e-004	4.1100e-003	29.4675
Worker	8.2800e-003	4.7900e-003	0.0737	2.5000e-004	0.0349	1.3000e-004	0.0351	9.2900e-003	1.2000e-004	9.4100e-003	0.0000	22.8299	22.8299	4.9000e-004	5.6000e-004	23.0088
Total	**9.9000e-003**	**0.0736**	**0.0953**	**5.4000e-004**	**0.0451**	**5.3000e-004**	**0.0456**	**0.0122**	**5.0000e-004**	**0.0127**	**0.0000**	**51.0576**	**51.0576**	**1.1000e-003**	**4.6700e-003**	**52.4764**

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

3.14 Site and Building #2 - ROMP05 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6844	125.6844	0.0240	0.0000	126.2844
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6844**	**125.6844**	**0.0240**	**0.0000**	**126.2844**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6200e-003	0.0688	0.0216	2.9000e-004	0.0102	4.0000e-004	0.0106	2.9300e-003	3.8000e-004	3.3200e-003	0.0000	28.2277	28.2277	6.1000e-004	4.1100e-003	29.4675
Worker	8.2800e-003	4.7900e-003	0.0737	2.5000e-004	0.0349	1.3000e-004	0.0351	9.2900e-003	1.2000e-004	9.4100e-003	0.0000	22.8299	22.8299	4.9000e-004	5.6000e-004	23.0088
Total	**9.9000e-003**	**0.0736**	**0.0953**	**5.4000e-004**	**0.0451**	**5.3000e-004**	**0.0456**	**0.0122**	**5.0000e-004**	**0.0127**	**0.0000**	**51.0576**	**51.0576**	**1.1000e-003**	**4.6700e-003**	**52.4764**

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

3.15 Site and Building #2 - ROMP04 ArcCoa - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1530**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	3.0000e-005	4.2000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1297	0.1297	0.0000	0.0000	0.1307
Total	**5.0000e-005**	**3.0000e-005**	**4.2000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1297**	**0.1297**	**0.0000**	**0.0000**	**0.1307**

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

3.15 Site and Building #2 - ROMP04 ArcCoa - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1530**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	3.0000e-005	4.2000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1297	0.1297	0.0000	0.0000	0.1307
Total	**5.0000e-005**	**3.0000e-005**	**4.2000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1297**	**0.1297**	**0.0000**	**0.0000**	**0.1307**

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

3.16 Site and Building #2 - ROMP07 - 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	0.0662	0.5631	0.6233	1.1600e-003		0.0238	0.0238		0.0226	0.0226	0.0000	97.3613	97.3613	0.0186	0.0000	97.8261
Total	**0.0662**	**0.5631**	**0.6233**	**1.1600e-003**		**0.0238**	**0.0238**		**0.0226**	**0.0226**	**0.0000**	**97.3613**	**97.3613**	**0.0186**	**0.0000**	**97.8261**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2500e-003	0.0533	0.0167	2.2000e-004	7.8600e-003	3.1000e-004	8.1700e-003	2.2700e-003	3.0000e-004	2.5700e-003	0.0000	21.8665	21.8665	4.7000e-004	3.1800e-003	22.8270
Worker	6.4200e-003	3.7100e-003	0.0571	1.9000e-004	0.0271	1.0000e-004	0.0272	7.1900e-003	9.0000e-005	7.2900e-003	0.0000	17.6852	17.6852	3.8000e-004	4.3000e-004	17.8238
Total	**7.6700e-003**	**0.0570**	**0.0738**	**4.1000e-004**	**0.0349**	**4.1000e-004**	**0.0353**	**9.4600e-003**	**3.9000e-004**	**9.8600e-003**	**0.0000**	**39.5517**	**39.5517**	**8.5000e-004**	**3.6100e-003**	**40.6507**

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

3.16 Site and Building #2 - ROMP07 - 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	0.0662	0.5631	0.6233	1.1600e-003		0.0238	0.0238		0.0226	0.0226	0.0000	97.3612	97.3612	0.0186	0.0000	97.8260
Total	**0.0662**	**0.5631**	**0.6233**	**1.1600e-003**		**0.0238**	**0.0238**		**0.0226**	**0.0226**	**0.0000**	**97.3612**	**97.3612**	**0.0186**	**0.0000**	**97.8260**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2500e-003	0.0533	0.0167	2.2000e-004	7.8600e-003	3.1000e-004	8.1700e-003	2.2700e-003	3.0000e-004	2.5700e-003	0.0000	21.8665	21.8665	4.7000e-004	3.1800e-003	22.8270
Worker	6.4200e-003	3.7100e-003	0.0571	1.9000e-004	0.0271	1.0000e-004	0.0272	7.1900e-003	9.0000e-005	7.2900e-003	0.0000	17.6852	17.6852	3.8000e-004	4.3000e-004	17.8238
Total	**7.6700e-003**	**0.0570**	**0.0738**	**4.1000e-004**	**0.0349**	**4.1000e-004**	**0.0353**	**9.4600e-003**	**3.9000e-004**	**9.8600e-003**	**0.0000**	**39.5517**	**39.5517**	**8.5000e-004**	**3.6100e-003**	**40.6507**

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

3.16 Site and Building #2 - ROMP07 - 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	0.0193	0.1638	0.1813	3.4000e-004		6.9200e-003	6.9200e-003		6.5900e-003	6.5900e-003	0.0000	28.3233	28.3233	5.4100e-003	0.0000	28.4585
Total	**0.0193**	**0.1638**	**0.1813**	**3.4000e-004**		**6.9200e-003**	**6.9200e-003**		**6.5900e-003**	**6.5900e-003**	**0.0000**	**28.3233**	**28.3233**	**5.4100e-003**	**0.0000**	**28.4585**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0153	4.8200e-003	6.0000e-005	2.2900e-003	9.0000e-005	2.3800e-003	6.6000e-004	9.0000e-005	7.5000e-004	0.0000	6.2160	6.2160	1.4000e-004	9.0000e-004	6.4885
Worker	1.7700e-003	1.0100e-003	0.0159	5.0000e-005	7.8700e-003	3.0000e-005	7.9000e-003	2.0900e-003	3.0000e-005	2.1200e-003	0.0000	5.0212	5.0212	1.0000e-004	1.2000e-004	5.0599
Total	**2.1300e-003**	**0.0163**	**0.0208**	**1.1000e-004**	**0.0102**	**1.2000e-004**	**0.0103**	**2.7500e-003**	**1.2000e-004**	**2.8700e-003**	**0.0000**	**11.2372**	**11.2372**	**2.4000e-004**	**1.0200e-003**	**11.5484**

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

3.16 Site and Building #2 - ROMP07 - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0193	0.1638	0.1813	3.4000e-004		6.9200e-003	6.9200e-003		6.5900e-003	6.5900e-003	0.0000	28.3233	28.3233	5.4100e-003	0.0000	28.4585
Total	**0.0193**	**0.1638**	**0.1813**	**3.4000e-004**		**6.9200e-003**	**6.9200e-003**		**6.5900e-003**	**6.5900e-003**	**0.0000**	**28.3233**	**28.3233**	**5.4100e-003**	**0.0000**	**28.4585**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0153	4.8200e-003	6.0000e-005	2.2900e-003	9.0000e-005	2.3800e-003	6.6000e-004	9.0000e-005	7.5000e-004	0.0000	6.2160	6.2160	1.4000e-004	9.0000e-004	6.4885
Worker	1.7700e-003	1.0100e-003	0.0159	5.0000e-005	7.8700e-003	3.0000e-005	7.9000e-003	2.0900e-003	3.0000e-005	2.1200e-003	0.0000	5.0212	5.0212	1.0000e-004	1.2000e-004	5.0599
Total	**2.1300e-003**	**0.0163**	**0.0208**	**1.1000e-004**	**0.0102**	**1.2000e-004**	**0.0103**	**2.7500e-003**	**1.2000e-004**	**2.8700e-003**	**0.0000**	**11.2372**	**11.2372**	**2.4000e-004**	**1.0200e-003**	**11.5484**

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

3.17 Site and Building #2 - ROMP05 ArcCoa - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1530**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	3.0000e-005	4.2000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1297	0.1297	0.0000	0.0000	0.1307
Total	**5.0000e-005**	**3.0000e-005**	**4.2000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1297**	**0.1297**	**0.0000**	**0.0000**	**0.1307**

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

3.17 Site and Building #2 - ROMP05 ArcCoa - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1530**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	3.0000e-005	4.2000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1297	0.1297	0.0000	0.0000	0.1307
Total	**5.0000e-005**	**3.0000e-005**	**4.2000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1297**	**0.1297**	**0.0000**	**0.0000**	**0.1307**

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

3.18 Site and Building #2 - ROMP08 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5900e-003	0.0680	0.0214	2.8000e-004	0.0102	3.9000e-004	0.0105	2.9300e-003	3.8000e-004	3.3100e-003	0.0000	27.5836	27.5836	6.0000e-004	4.0100e-003	28.7927
Worker	7.8600e-003	4.4600e-003	0.0707	2.4000e-004	0.0349	1.2000e-004	0.0350	9.2900e-003	1.1000e-004	9.4000e-003	0.0000	22.2816	22.2816	4.6000e-004	5.4000e-004	22.4534
Total	**9.4500e-003**	**0.0724**	**0.0921**	**5.2000e-004**	**0.0451**	**5.1000e-004**	**0.0456**	**0.0122**	**4.9000e-004**	**0.0127**	**0.0000**	**49.8651**	**49.8651**	**1.0600e-003**	**4.5500e-003**	**51.2461**

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

3.18 Site and Building #2 - ROMP08 - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6844	125.6844	0.0240	0.0000	126.2844
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6844**	**125.6844**	**0.0240**	**0.0000**	**126.2844**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5900e-003	0.0680	0.0214	2.8000e-004	0.0102	3.9000e-004	0.0105	2.9300e-003	3.8000e-004	3.3100e-003	0.0000	27.5836	27.5836	6.0000e-004	4.0100e-003	28.7927
Worker	7.8600e-003	4.4600e-003	0.0707	2.4000e-004	0.0349	1.2000e-004	0.0350	9.2900e-003	1.1000e-004	9.4000e-003	0.0000	22.2816	22.2816	4.6000e-004	5.4000e-004	22.4534
Total	**9.4500e-003**	**0.0724**	**0.0921**	**5.2000e-004**	**0.0451**	**5.1000e-004**	**0.0456**	**0.0122**	**4.9000e-004**	**0.0127**	**0.0000**	**49.8651**	**49.8651**	**1.0600e-003**	**4.5500e-003**	**51.2461**

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

3.19 Site and Building #2 - ROMP07 ArcCoa - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1530**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	4.0000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1265	0.1265	0.0000	0.0000	0.1275
Total	**4.0000e-005**	**3.0000e-005**	**4.0000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1265**	**0.1265**	**0.0000**	**0.0000**	**0.1275**

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

3.19 Site and Building #2 - ROMP07 ArcCoa - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1530**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	4.0000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1265	0.1265	0.0000	0.0000	0.1275
Total	**4.0000e-005**	**3.0000e-005**	**4.0000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1265**	**0.1265**	**0.0000**	**0.0000**	**0.1275**

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

3.20 Site and Building #2 - ROMP09 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5900e-003	0.0680	0.0214	2.8000e-004	0.0102	3.9000e-004	0.0105	2.9300e-003	3.8000e-004	3.3100e-003	0.0000	27.5836	27.5836	6.0000e-004	4.0100e-003	28.7927
Worker	7.8600e-003	4.4600e-003	0.0707	2.4000e-004	0.0349	1.2000e-004	0.0350	9.2900e-003	1.1000e-004	9.4000e-003	0.0000	22.2816	22.2816	4.6000e-004	5.4000e-004	22.4534
Total	**9.4500e-003**	**0.0724**	**0.0921**	**5.2000e-004**	**0.0451**	**5.1000e-004**	**0.0456**	**0.0122**	**4.9000e-004**	**0.0127**	**0.0000**	**49.8651**	**49.8651**	**1.0600e-003**	**4.5500e-003**	**51.2461**

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

3.20 Site and Building #2 - ROMP09 - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6844	125.6844	0.0240	0.0000	126.2844
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6844**	**125.6844**	**0.0240**	**0.0000**	**126.2844**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5900e-003	0.0680	0.0214	2.8000e-004	0.0102	3.9000e-004	0.0105	2.9300e-003	3.8000e-004	3.3100e-003	0.0000	27.5836	27.5836	6.0000e-004	4.0100e-003	28.7927
Worker	7.8600e-003	4.4600e-003	0.0707	2.4000e-004	0.0349	1.2000e-004	0.0350	9.2900e-003	1.1000e-004	9.4000e-003	0.0000	22.2816	22.2816	4.6000e-004	5.4000e-004	22.4534
Total	**9.4500e-003**	**0.0724**	**0.0921**	**5.2000e-004**	**0.0451**	**5.1000e-004**	**0.0456**	**0.0122**	**4.9000e-004**	**0.0127**	**0.0000**	**49.8651**	**49.8651**	**1.0600e-003**	**4.5500e-003**	**51.2461**

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

3.21 Site and Building #2 - ROMP08 ArcCoa - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1530**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	4.0000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1265	0.1265	0.0000	0.0000	0.1275
Total	**4.0000e-005**	**3.0000e-005**	**4.0000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1265**	**0.1265**	**0.0000**	**0.0000**	**0.1275**

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

3.21 Site and Building #2 - ROMP08 ArcCoa - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1530**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	4.0000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1265	0.1265	0.0000	0.0000	0.1275
Total	**4.0000e-005**	**3.0000e-005**	**4.0000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1265**	**0.1265**	**0.0000**	**0.0000**	**0.1275**

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

3.22 Site and Building #2 - ROMP10 - 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	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6846	125.6846	0.0240	0.0000	126.2846
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6846**	**125.6846**	**0.0240**	**0.0000**	**126.2846**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5900e-003	0.0680	0.0214	2.8000e-004	0.0102	3.9000e-004	0.0105	2.9300e-003	3.8000e-004	3.3100e-003	0.0000	27.5836	27.5836	6.0000e-004	4.0100e-003	28.7927
Worker	7.8600e-003	4.4600e-003	0.0707	2.4000e-004	0.0349	1.2000e-004	0.0350	9.2900e-003	1.1000e-004	9.4000e-003	0.0000	22.2816	22.2816	4.6000e-004	5.4000e-004	22.4534
Total	**9.4500e-003**	**0.0724**	**0.0921**	**5.2000e-004**	**0.0451**	**5.1000e-004**	**0.0456**	**0.0122**	**4.9000e-004**	**0.0127**	**0.0000**	**49.8651**	**49.8651**	**1.0600e-003**	**4.5500e-003**	**51.2461**

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

3.22 Site and Building #2 - ROMP10 - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0854	0.7269	0.8046	1.5000e-003		0.0307	0.0307		0.0292	0.0292	0.0000	125.6844	125.6844	0.0240	0.0000	126.2844
Total	**0.0854**	**0.7269**	**0.8046**	**1.5000e-003**		**0.0307**	**0.0307**		**0.0292**	**0.0292**	**0.0000**	**125.6844**	**125.6844**	**0.0240**	**0.0000**	**126.2844**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5900e-003	0.0680	0.0214	2.8000e-004	0.0102	3.9000e-004	0.0105	2.9300e-003	3.8000e-004	3.3100e-003	0.0000	27.5836	27.5836	6.0000e-004	4.0100e-003	28.7927
Worker	7.8600e-003	4.4600e-003	0.0707	2.4000e-004	0.0349	1.2000e-004	0.0350	9.2900e-003	1.1000e-004	9.4000e-003	0.0000	22.2816	22.2816	4.6000e-004	5.4000e-004	22.4534
Total	**9.4500e-003**	**0.0724**	**0.0921**	**5.2000e-004**	**0.0451**	**5.1000e-004**	**0.0456**	**0.0122**	**4.9000e-004**	**0.0127**	**0.0000**	**49.8651**	**49.8651**	**1.0600e-003**	**4.5500e-003**	**51.2461**

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

3.23 Site and Building #2 - ROMP09 ArcCoa - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1530**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	4.0000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1265	0.1265	0.0000	0.0000	0.1275
Total	**4.0000e-005**	**3.0000e-005**	**4.0000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1265**	**0.1265**	**0.0000**	**0.0000**	**0.1275**

GBGF - Phase 2 - Santa Clara County, Annual

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

3.23 Site and Building #2 - ROMP09 ArcCoa - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1530**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	4.0000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1265	0.1265	0.0000	0.0000	0.1275
Total	**4.0000e-005**	**3.0000e-005**	**4.0000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1265**	**0.1265**	**0.0000**	**0.0000**	**0.1275**

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

3.24 Site and Building #2 - ROMP11 - 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	0.0433	0.3686	0.4080	7.6000e-004		0.0156	0.0156		0.0148	0.0148	0.0000	63.7274	63.7274	0.0122	0.0000	64.0316
Total	**0.0433**	**0.3686**	**0.4080**	**7.6000e-004**		**0.0156**	**0.0156**		**0.0148**	**0.0148**	**0.0000**	**63.7274**	**63.7274**	**0.0122**	**0.0000**	**64.0316**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.1000e-004	0.0345	0.0108	1.4000e-004	5.1500e-003	2.0000e-004	5.3500e-003	1.4900e-003	1.9000e-004	1.6800e-003	0.0000	13.9860	13.9860	3.0000e-004	2.0300e-003	14.5991
Worker	3.9900e-003	2.2600e-003	0.0359	1.2000e-004	0.0177	6.0000e-005	0.0178	4.7100e-003	6.0000e-005	4.7700e-003	0.0000	11.2977	11.2977	2.3000e-004	2.7000e-004	11.3848
Total	**4.8000e-003**	**0.0367**	**0.0467**	**2.6000e-004**	**0.0229**	**2.6000e-004**	**0.0231**	**6.2000e-003**	**2.5000e-004**	**6.4500e-003**	**0.0000**	**25.2837**	**25.2837**	**5.3000e-004**	**2.3000e-003**	**25.9839**

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

3.24 Site and Building #2 - ROMP11 - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0433	0.3686	0.4080	7.6000e-004		0.0156	0.0156		0.0148	0.0148	0.0000	63.7273	63.7273	0.0122	0.0000	64.0315
Total	**0.0433**	**0.3686**	**0.4080**	**7.6000e-004**		**0.0156**	**0.0156**		**0.0148**	**0.0148**	**0.0000**	**63.7273**	**63.7273**	**0.0122**	**0.0000**	**64.0315**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.1000e-004	0.0345	0.0108	1.4000e-004	5.1500e-003	2.0000e-004	5.3500e-003	1.4900e-003	1.9000e-004	1.6800e-003	0.0000	13.9860	13.9860	3.0000e-004	2.0300e-003	14.5991
Worker	3.9900e-003	2.2600e-003	0.0359	1.2000e-004	0.0177	6.0000e-005	0.0178	4.7100e-003	6.0000e-005	4.7700e-003	0.0000	11.2977	11.2977	2.3000e-004	2.7000e-004	11.3848
Total	**4.8000e-003**	**0.0367**	**0.0467**	**2.6000e-004**	**0.0229**	**2.6000e-004**	**0.0231**	**6.2000e-003**	**2.5000e-004**	**6.4500e-003**	**0.0000**	**25.2837**	**25.2837**	**5.3000e-004**	**2.3000e-003**	**25.9839**

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

3.24 Site and Building #2 - ROMP11 - 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	0.0347	0.2152	0.3842	8.2000e-004		4.2300e-003	4.2300e-003		4.2300e-003	4.2300e-003	0.0000	68.2386	68.2386	2.8100e-003	0.0000	68.3088
Total	**0.0347**	**0.2152**	**0.3842**	**8.2000e-004**		**4.2300e-003**	**4.2300e-003**		**4.2300e-003**	**4.2300e-003**	**0.0000**	**68.2386**	**68.2386**	**2.8100e-003**	**0.0000**	**68.3088**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.8000e-004	0.0333	0.0105	1.4000e-004	5.0000e-003	1.9000e-004	5.2000e-003	1.4500e-003	1.8000e-004	1.6300e-003	0.0000	13.3362	13.3362	2.9000e-004	1.9300e-003	13.9197
Worker	3.6800e-003	2.0600e-003	0.0336	1.2000e-004	0.0172	6.0000e-005	0.0173	4.5800e-003	5.0000e-005	4.6300e-003	0.0000	10.7429	10.7429	2.1000e-004	2.6000e-004	10.8246
Total	**4.4600e-003**	**0.0354**	**0.0441**	**2.6000e-004**	**0.0222**	**2.5000e-004**	**0.0225**	**6.0300e-003**	**2.3000e-004**	**6.2600e-003**	**0.0000**	**24.0790**	**24.0790**	**5.0000e-004**	**2.1900e-003**	**24.7443**

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

3.24 Site and Building #2 - ROMP11 - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0347	0.2152	0.3842	8.2000e-004		4.2300e-003	4.2300e-003		4.2300e-003	4.2300e-003	0.0000	68.2385	68.2385	2.8100e-003	0.0000	68.3087
Total	**0.0347**	**0.2152**	**0.3842**	**8.2000e-004**		**4.2300e-003**	**4.2300e-003**		**4.2300e-003**	**4.2300e-003**	**0.0000**	**68.2385**	**68.2385**	**2.8100e-003**	**0.0000**	**68.3087**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.8000e-004	0.0333	0.0105	1.4000e-004	5.0000e-003	1.9000e-004	5.2000e-003	1.4500e-003	1.8000e-004	1.6300e-003	0.0000	13.3362	13.3362	2.9000e-004	1.9300e-003	13.9197
Worker	3.6800e-003	2.0600e-003	0.0336	1.2000e-004	0.0172	6.0000e-005	0.0173	4.5800e-003	5.0000e-005	4.6300e-003	0.0000	10.7429	10.7429	2.1000e-004	2.6000e-004	10.8246
Total	**4.4600e-003**	**0.0354**	**0.0441**	**2.6000e-004**	**0.0222**	**2.5000e-004**	**0.0225**	**6.0300e-003**	**2.3000e-004**	**6.2600e-003**	**0.0000**	**24.0790**	**24.0790**	**5.0000e-004**	**2.1900e-003**	**24.7443**

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

3.25 Site and Building #2 - ROMP10 ArcCoa - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1530**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	4.0000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1265	0.1265	0.0000	0.0000	0.1275
Total	**4.0000e-005**	**3.0000e-005**	**4.0000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1265**	**0.1265**	**0.0000**	**0.0000**	**0.1275**

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

3.25 Site and Building #2 - ROMP10 ArcCoa - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	**1.1530**	**1.1500e-003**	**1.8100e-003**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	4.0000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1265	0.1265	0.0000	0.0000	0.1275
Total	**4.0000e-005**	**3.0000e-005**	**4.0000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1265**	**0.1265**	**0.0000**	**0.0000**	**0.1275**

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

3.26 Site and Building #2 - ROMP11 ArcCoa - 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	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3000e-004	8.6000e-004	1.8000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2556
Total	**1.1529**	**8.6000e-004**	**1.8000e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2556**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	2.0000e-005	3.9000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1238	0.1238	0.0000	0.0000	0.1247
Total	**4.0000e-005**	**2.0000e-005**	**3.9000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1238**	**0.1238**	**0.0000**	**0.0000**	**0.1247**

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

3.26 Site and Building #2 - ROMP11 ArcCoa - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1528					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3000e-004	8.6000e-004	1.8000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2556
Total	**1.1529**	**8.6000e-004**	**1.8000e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**	**0.0000**	**0.2553**	**0.2553**	**1.0000e-005**	**0.0000**	**0.2556**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	2.0000e-005	3.9000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1238	0.1238	0.0000	0.0000	0.1247
Total	**4.0000e-005**	**2.0000e-005**	**3.9000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1238**	**0.1238**	**0.0000**	**0.0000**	**0.1247**

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1349	0.1821	1.6494	4.1800e-003	0.5179	2.7000e-003	0.5206	0.1382	2.5100e-003	0.1408	0.0000	385.7208	385.7208	0.0182	0.0150	390.6417
Unmitigated	0.1349	0.1821	1.6494	4.1800e-003	0.5179	2.7000e-003	0.5206	0.1382	2.5100e-003	0.1408	0.0000	385.7208	385.7208	0.0182	0.0150	390.6417

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	215.82	215.82	215.82	1,401,619	1,401,619
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	215.82	215.82	215.82	1,401,619	1,401,619

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
General Light Industry	19.13	6.60	19.13	90.50	0.00	9.50	92	5	3
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.575564	0.056293	0.184251	0.115043	0.020151	0.005257	0.008159	0.006240	0.000877	0.000356	0.024310	0.000874	0.002624
Other Asphalt Surfaces	0.575564	0.056293	0.184251	0.115043	0.020151	0.005257	0.008159	0.006240	0.000877	0.000356	0.024310	0.000874	0.002624
Parking Lot	0.575564	0.056293	0.184251	0.115043	0.020151	0.005257	0.008159	0.006240	0.000877	0.000356	0.024310	0.000874	0.002624

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 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					
General Light Industry	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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**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

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					
General Light Industry	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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	4.33619e+008	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	2371.95	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			
General Light Industry	4.33619e+008	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	2371.95	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

Use Low VOC Cleaning Supplies

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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	0.9082	2.0000e-005	2.7000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.2700e-003	5.2700e-003	1.0000e-005	0.0000	5.6100e-003
Unmitigated	0.9719	2.0000e-005	2.7000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.2700e-003	5.2700e-003	1.0000e-005	0.0000	5.6100e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1153					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8564					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.5000e-004	2.0000e-005	2.7000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.2700e-003	5.2700e-003	1.0000e-005	0.0000	5.6100e-003
Total	**0.9719**	**2.0000e-005**	**2.7000e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**5.2700e-003**	**5.2700e-003**	**1.0000e-005**	**0.0000**	**5.6100e-003**

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	0.1153					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7927					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.5000e-004	2.0000e-005	2.7000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.2700e-003	5.2700e-003	1.0000e-005	0.0000	5.6100e-003
Total	**0.9083**	**2.0000e-005**	**2.7000e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**5.2700e-003**	**5.2700e-003**	**1.0000e-005**	**0.0000**	**5.6100e-003**

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 Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	15.9936	1.6427	0.0388	68.6195
Unmitigated	15.9936	1.6427	0.0388	68.6195

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	50.4125 / 0	15.9936	1.6427	0.0388	68.6195
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**15.9936**	**1.6427**	**0.0388**	**68.6195**

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			
General Light Industry	50.4125 / 0	15.9936	1.6427	0.0388	68.6195
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**15.9936**	**1.6427**	**0.0388**	**68.6195**

8.0 Waste Detail

8.1 Mitigation Measures Waste

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	54.8725	3.2429	0.0000	135.9443
Unmitigated	54.8725	3.2429	0.0000	135.9443

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	270.32	54.8725	3.2429	0.0000	135.9443
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**54.8725**	**3.2429**	**0.0000**	**135.9443**

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			
General Light Industry	270.32	54.8725	3.2429	0.0000	135.9443
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**54.8725**	**3.2429**	**0.0000**	**135.9443**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

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

11.0 Vegetation

APPENDIX A-4: LOAD SCREENING ANALYSIS MODEL INPUT

Appendix A-4. Load Screening Analysis AERMOD Point Source Data Inputs

Index	ID	Description	X coordinate	Y coordinate	Elevation	Emission rate	NO_2 Emission rate	Stack height	Stack temp.	Stack velocity	Stack diameter
			m	m	meters	g/s	g/s	meters	K	m/s	meters
1	GEN1A	Generator 1 at 100% Load	628172.9	4097744.6	59.69	1	0.505	10.39	729.32	25.49	0.66
2	GEN1B	Generator 1 at 75% Load	628172.9	4097744.6	59.69	1	0.383	10.39	702.48	20.84	0.66
3	GEN1C	Generator 1 at 50% Load	628172.9	4097744.6	59.69	1	0.262	10.39	685.98	16.12	0.66
4	GEN1D	Generator 1 at 25% Load	628172.9	4097744.6	59.69	1	1.429E-01	10.39	661.93	9.97	0.66
5	GEN1E	Generator 1 at 10% Load	628172.9	4097744.6	59.69	1	6.903E-02	10.39	567.93	6.10	0.66
6	GEN2A	Generator 2 at 100% Load	628180.1	4097732.7	59.7	1	0.505	10.39	729.32	25.49	0.66
7	GEN2B	Generator 2 at 75% Load	628180.1	4097732.7	59.7	1	0.383	10.39	702.48	20.84	0.66
8	GEN2C	Generator 2 at 50% Load	628180.1	4097732.7	59.7	1	0.262	10.39	685.98	16.12	0.66
9	GEN2D	Generator 2 at 25% Load	628180.1	4097732.7	59.7	1	1.429E-01	10.39	661.93	9.97	0.66
10	GEN2E	Generator 2 at 10% Load	628180.1	4097732.7	59.7	1	6.903E-02	10.39	567.93	6.10	0.66
11	GEN3A	Generator 3 at 100% Load	628183.2	4097727.7	59.69	1	0.505	10.39	729.32	25.49	0.66
12	GEN3B	Generator 3 at 75% Load	628183.2	4097727.7	59.69	1	0.383	10.39	702.48	20.84	0.66
13	GEN3C	Generator 3 at 50% Load	628183.2	4097727.7	59.69	1	0.262	10.39	685.98	16.12	0.66
14	GEN3D	Generator 3 at 25% Load	628183.2	4097727.7	59.69	1	1.429E-01	10.39	661.93	9.97	0.66
15	GEN3E	Generator 3 at 10% Load	628183.2	4097727.7	59.69	1	6.903E-02	10.39	567.93	6.10	0.66
16	GEN4A	Generator 4 at 100% Load	628190.5	4097715.5	59.71	1	0.505	10.39	729.32	25.49	0.66
17	GEN4B	Generator 4 at 75% Load	628190.5	4097715.5	59.71	1	0.383	10.39	702.48	20.84	0.66
18	GEN4C	Generator 4 at 50% Load	628190.5	4097715.5	59.71	1	0.262	10.39	685.98	16.12	0.66
19	GEN4D	Generator 4 at 25% Load	628190.5	4097715.5	59.71	1	1.429E-01	10.39	661.93	9.97	0.66
20	GEN4E	Generator 4 at 10% Load	628190.5	4097715.5	59.71	1	6.903E-02	10.39	567.93	6.10	0.66
21	GEN5A	Generator 5 at 100% Load	628193.6	4097709.8	59.63	1	0.505	10.39	729.32	25.49	0.66
22	GEN5B	Generator 5 at 75% Load	628193.6	4097709.8	59.63	1	0.383	10.39	702.48	20.84	0.66
23	GEN5C	Generator 5 at 50% Load	628193.6	4097709.8	59.63	1	0.262	10.39	685.98	16.12	0.66
24	GEN5D	Generator 5 at 25% Load	628193.6	4097709.8	59.63	1	1.429E-01	10.39	661.93	9.97	0.66
25	GEN5E	Generator 5 at 10% Load	628193.6	4097709.8	59.63	1	6.903E-02	10.39	567.93	6.10	0.66
26	GEN6A	Generator 6 at 100% Load	628201.6	4097697.4	59.55	1	0.505	10.39	729.32	25.49	0.66
27	GEN6B	Generator 6 at 75% Load	628201.6	4097697.4	59.55	1	0.383	10.39	702.48	20.84	0.66
28	GEN6C	Generator 6 at 50% Load	628201.6	4097697.4	59.55	1	0.262	10.39	685.98	16.12	0.66
29	GEN6D	Generator 6 at 25% Load	628201.6	4097697.4	59.55	1	1.429E-01	10.39	661.93	9.97	0.66
30	GEN6E	Generator 6 at 10% Load	628201.6	4097697.4	59.55	1	6.903E-02	10.39	567.93	6.10	0.66
31	GEN7A	Generator 7 at 100% Load	628204.7	4097691.6	59.52	1	0.505	10.39	729.32	25.49	0.66
32	GEN7B	Generator 7 at 75% Load	628204.7	4097691.6	59.52	1	0.383	10.39	702.48	20.84	0.66
33	GEN7C	Generator 7 at 50% Load	628204.7	4097691.6	59.52	1	0.262	10.39	685.98	16.12	0.66
34	GEN7D	Generator 7 at 25% Load	628204.7	4097691.6	59.52	1	1.429E-01	10.39	661.93	9.97	0.66
35	GEN7E	Generator 7 at 10% Load	628204.7	4097691.6	59.52	1	6.903E-02	10.39	567.93	6.10	0.66
36	GEN8A	Generator 8 at 100% Load	628212.2	4097680.1	59.4	1	0.505	10.39	729.32	25.49	0.66
37	GEN8B	Generator 8 at 75% Load	628212.2	4097680.1	59.4	1	0.383	10.39	702.48	20.84	0.66
38	GEN8C	Generator 8 at 50% Load	628212.2	4097680.1	59.4	1	0.262	10.39	685.98	16.12	0.66
39	GEN8D	Generator 8 at 25% Load	628212.2	4097680.1	59.4	1	1.429E-01	10.39	661.93	9.97	0.66
40	GEN8E	Generator 8 at 10% Load	628212.2	4097680.1	59.4	1	6.903E-02	10.39	567.93	6.10	0.66
41	GEN9A	Generator 9 at 100% Load	628215	4097674.6	59.4	1	0.505	10.39	729.32	25.49	0.66
42	GEN9B	Generator 9 at 75% Load	628215	4097674.6	59.4	1	0.383	10.39	702.48	20.84	0.66
43	GEN9C	Generator 9 at 50% Load	628215	4097674.6	59.4	1	0.262	10.39	685.98	16.12	0.66
44	GEN9D	Generator 9 at 25% Load	628215	4097674.6	59.4	1	1.429E-01	10.39	661.93	9.97	0.66
45	GEN9E	Generator 9 at 10% Load	628215	4097674.6	59.4	1	6.903E-02	10.39	567.93	6.10	0.66

Appendix A-4. Load Screening Analysis AERMOD Point Source Data Inputs

Index	ID	Description	X coordinate	Y coordinate	Elevation	Emission rate	NO_2 Emission rate	Stack height	Stack temp.	Stack velocity	Stack diameter
			m	m	meters	g/s	g/s	meters	K	m/s	meters
46	GEN10A	Generator 10 at 100% Load	628221.8	4097663	59.41	1	0.505	10.39	729.32	25.49	0.66
47	GEN10B	Generator 10 at 75% Load	628221.8	4097663	59.41	1	0.383	10.39	702.48	20.84	0.66
48	GEN10C	Generator 10 at 50% Load	628221.8	4097663	59.41	1	0.262	10.39	685.98	16.12	0.66
49	GEN10D	Generator 10 at 25% Load	628221.8	4097663	59.41	1	1.429E-01	10.39	661.93	9.97	0.66
50	GEN10E	Generator 10 at 10% Load	628221.8	4097663	59.41	1	6.903E-02	10.39	567.93	6.10	0.66
51	GEN11A	Generator 11 at 100% Load	628225	4097657.2	59.35	1	0.505	10.39	729.32	25.49	0.66
52	GEN11B	Generator 11 at 75% Load	628225	4097657.2	59.35	1	0.383	10.39	702.48	20.84	0.66
53	GEN11C	Generator 11 at 50% Load	628225	4097657.2	59.35	1	0.262	10.39	685.98	16.12	0.66
54	GEN11D	Generator 11 at 25% Load	628225	4097657.2	59.35	1	1.429E-01	10.39	661.93	9.97	0.66
55	GEN11E	Generator 11 at 10% Load	628225	4097657.2	59.35	1	6.903E-02	10.39	567.93	6.10	0.66
56	GEN12A	Generator 12 at 100% Load	628230.1	4097649.5	59.33	1	0.505	10.39	729.32	25.49	0.66
57	GEN12B	Generator 12 at 75% Load	628230.1	4097649.5	59.33	1	0.383	10.39	702.48	20.84	0.66
58	GEN12C	Generator 12 at 50% Load	628230.1	4097649.5	59.33	1	0.262	10.39	685.98	16.12	0.66
59	GEN12D	Generator 12 at 25% Load	628230.1	4097649.5	59.33	1	1.429E-01	10.39	661.93	9.97	0.66
60	GEN12E	Generator 12 at 10% Load	628230.1	4097649.5	59.33	1	6.903E-02	10.39	567.93	6.10	0.66
61	GEN13A	Generator 13 at 100% Load	628253.4	4097611	59.13	1	0.505	10.39	729.32	25.49	0.66
62	GEN13B	Generator 13 at 75% Load	628253.4	4097611	59.13	1	0.383	10.39	702.48	20.84	0.66
63	GEN13C	Generator 13 at 50% Load	628253.4	4097611	59.13	1	0.262	10.39	685.98	16.12	0.66
64	GEN13D	Generator 13 at 25% Load	628253.4	4097611	59.13	1	1.429E-01	10.39	661.93	9.97	0.66
65	GEN13E	Generator 13 at 10% Load	628253.4	4097611	59.13	1	6.903E-02	10.39	567.93	6.10	0.66
66	GEN14A	Generator 14 at 100% Load	628259.4	4097600.2	59.04	1	0.505	10.39	729.32	25.49	0.66
67	GEN14B	Generator 14 at 75% Load	628259.4	4097600.2	59.04	1	0.383	10.39	702.48	20.84	0.66
68	GEN14C	Generator 14 at 50% Load	628259.4	4097600.2	59.04	1	0.262	10.39	685.98	16.12	0.66
69	GEN14D	Generator 14 at 25% Load	628259.4	4097600.2	59.04	1	1.429E-01	10.39	661.93	9.97	0.66
70	GEN14E	Generator 14 at 10% Load	628259.4	4097600.2	59.04	1	6.903E-02	10.39	567.93	6.10	0.66
71	GEN15A	Generator 15 at 100% Load	628263.2	4097594.7	59.08	1	0.505	10.39	729.32	25.49	0.66
72	GEN15B	Generator 15 at 75% Load	628263.2	4097594.7	59.08	1	0.383	10.39	702.48	20.84	0.66
73	GEN15C	Generator 15 at 50% Load	628263.2	4097594.7	59.08	1	0.262	10.39	685.98	16.12	0.66
74	GEN15D	Generator 15 at 25% Load	628263.2	4097594.7	59.08	1	1.429E-01	10.39	661.93	9.97	0.66
75	GEN15E	Generator 15 at 10% Load	628263.2	4097594.7	59.08	1	6.903E-02	10.39	567.93	6.10	0.66
76	GEN16A	Generator 16 at 100% Load	628270.1	4097583.5	59.07	1	0.505	10.39	729.32	25.49	0.66
77	GEN16B	Generator 16 at 75% Load	628270.1	4097583.5	59.07	1	0.383	10.39	702.48	20.84	0.66
78	GEN16C	Generator 16 at 50% Load	628270.1	4097583.5	59.07	1	0.262	10.39	685.98	16.12	0.66
79	GEN16D	Generator 16 at 25% Load	628270.1	4097583.5	59.07	1	1.429E-01	10.39	661.93	9.97	0.66
80	GEN16E	Generator 16 at 10% Load	628270.1	4097583.5	59.07	1	6.903E-02	10.39	567.93	6.10	0.66
81	GEN17A	Generator 17 at 100% Load	628273.8	4097578.3	59.03	1	0.505	10.39	729.32	25.49	0.66
82	GEN17B	Generator 17 at 75% Load	628273.8	4097578.3	59.03	1	0.383	10.39	702.48	20.84	0.66
83	GEN17C	Generator 17 at 50% Load	628273.8	4097578.3	59.03	1	0.262	10.39	685.98	16.12	0.66
84	GEN17D	Generator 17 at 25% Load	628273.8	4097578.3	59.03	1	1.429E-01	10.39	661.93	9.97	0.66
85	GEN17E	Generator 17 at 10% Load	628273.8	4097578.3	59.03	1	6.903E-02	10.39	567.93	6.10	0.66
86	GEN18A	Generator 18 at 100% Load	628280.5	4097566.1	58.82	1	0.505	10.39	729.32	25.49	0.66
87	GEN18B	Generator 18 at 75% Load	628280.5	4097566.1	58.82	1	0.383	10.39	702.48	20.84	0.66
88	GEN18C	Generator 18 at 50% Load	628280.5	4097566.1	58.82	1	0.262	10.39	685.98	16.12	0.66
89	GEN18D	Generator 18 at 25% Load	628280.5	4097566.1	58.82	1	1.429E-01	10.39	661.93	9.97	0.66

Appendix A-4. Load Screening Analysis AERMOD Point Source Data Inputs

Index	ID	Description	X coordinate	Y coordinate	Elevation	Emission rate	NO_2 Emission rate	Stack height	Stack temp.	Stack velocity	Stack diameter
			m	m	meters	g/s	g/s	meters	K	m/s	meters
90	GEN18E	Generator 18 at 10% Load	628280.5	4097566.1	58.82	1	6.903E-02	10.39	567.93	6.10	0.66
91	GEN19A	Generator 19 at 100% Load	628284.1	4097560.8	58.79	1	0.505	10.39	729.32	25.49	0.66
92	GEN19B	Generator 19 at 75% Load	628284.1	4097560.8	58.79	1	0.383	10.39	702.48	20.84	0.66
93	GEN19C	Generator 19 at 50% Load	628284.1	4097560.8	58.79	1	0.262	10.39	685.98	16.12	0.66
94	GEN19D	Generator 19 at 25% Load	628284.1	4097560.8	58.79	1	1.429E-01	10.39	661.93	9.97	0.66
95	GEN19E	Generator 19 at 10% Load	628284.1	4097560.8	58.79	1	6.903E-02	10.39	567.93	6.10	0.66
96	GEN20A	Generator 20 at 100% Load	628291.6	4097548	58.85	1	0.505	10.39	729.32	25.49	0.66
97	GEN20B	Generator 20 at 75% Load	628291.6	4097548	58.85	1	0.383	10.39	702.48	20.84	0.66
98	GEN20C	Generator 20 at 50% Load	628291.6	4097548	58.85	1	0.262	10.39	685.98	16.12	0.66
99	GEN20D	Generator 20 at 25% Load	628291.6	4097548	58.85	1	1.429E-01	10.39	661.93	9.97	0.66
100	GEN20E	Generator 20 at 10% Load	628291.6	4097548	58.85	1	6.903E-02	10.39	567.93	6.10	0.66
101	GEN21A	Generator 21 at 100% Load	628295.3	4097542.6	58.84	1	0.505	10.39	729.32	25.49	0.66
102	GEN21B	Generator 21 at 75% Load	628295.3	4097542.6	58.84	1	0.383	10.39	702.48	20.84	0.66
103	GEN21C	Generator 21 at 50% Load	628295.3	4097542.6	58.84	1	0.262	10.39	685.98	16.12	0.66
104	GEN21D	Generator 21 at 25% Load	628295.3	4097542.6	58.84	1	1.429E-01	10.39	661.93	9.97	0.66
105	GEN21E	Generator 21 at 10% Load	628295.3	4097542.6	58.84	1	6.903E-02	10.39	567.93	6.10	0.66
106	GEN22A	Generator 22 at 100% Load	628302.2	4097530.6	58.77	1	0.505	10.39	729.32	25.49	0.66
107	GEN22B	Generator 22 at 75% Load	628302.2	4097530.6	58.77	1	0.383	10.39	702.48	20.84	0.66
108	GEN22C	Generator 22 at 50% Load	628302.2	4097530.6	58.77	1	0.262	10.39	685.98	16.12	0.66
109	GEN22D	Generator 22 at 25% Load	628302.2	4097530.6	58.77	1	1.429E-01	10.39	661.93	9.97	0.66
110	GEN22E	Generator 22 at 10% Load	628302.2	4097530.6	58.77	1	6.903E-02	10.39	567.93	6.10	0.66
111	GEN23A	Generator 23 at 100% Load	628305.5	4097525.2	58.77	1	0.505	10.39	729.32	25.49	0.66
112	GEN23B	Generator 23 at 75% Load	628305.5	4097525.2	58.77	1	0.383	10.39	702.48	20.84	0.66
113	GEN23C	Generator 23 at 50% Load	628305.5	4097525.2	58.77	1	0.262	10.39	685.98	16.12	0.66
114	GEN23D	Generator 23 at 25% Load	628305.5	4097525.2	58.77	1	1.429E-01	10.39	661.93	9.97	0.66
115	GEN23E	Generator 23 at 10% Load	628305.5	4097525.2	58.77	1	6.903E-02	10.39	567.93	6.10	0.66
116	GEN24A	Generator 24 at 100% Load	628312.7	4097513.7	58.76	1	0.505	10.39	729.32	25.49	0.66
117	GEN24B	Generator 24 at 75% Load	628312.7	4097513.7	58.76	1	0.383	10.39	702.48	20.84	0.66
118	GEN24C	Generator 24 at 50% Load	628312.7	4097513.7	58.76	1	0.262	10.39	685.98	16.12	0.66
119	GEN24D	Generator 24 at 25% Load	628312.7	4097513.7	58.76	1	1.429E-01	10.39	661.93	9.97	0.66
120	GEN24E	Generator 24 at 10% Load	628312.7	4097513.7	58.76	1	6.903E-02	10.39	567.93	6.10	0.66
121	GEN25A	Generator 25 at 100% Load	628316.3	4097508.4	58.8	1	0.505	10.39	729.32	25.49	0.66
122	GEN25B	Generator 25 at 75% Load	628316.3	4097508.4	58.8	1	0.383	10.39	702.48	20.84	0.66
123	GEN25C	Generator 25 at 50% Load	628316.3	4097508.4	58.8	1	0.262	10.39	685.98	16.12	0.66
124	GEN25D	Generator 25 at 25% Load	628316.3	4097508.4	58.8	1	1.429E-01	10.39	661.93	9.97	0.66
125	GEN25E	Generator 25 at 10% Load	628316.3	4097508.4	58.8	1	6.903E-02	10.39	567.93	6.10	0.66
126	LSGEN1F	Life Safety Generator 1 at 100% Load	628223.6	4097605.2	59.22	1	1.053	12.50	807.76	30.95	0.30
127	SEC1G	Security Building Generator 1 at 100% Load	628172.2	4097821.5	60.06	1	2.134E-01	2.50	782.04	24.40	0.17

APPENDIX A-5: LOAD SCREENING ANALYSIS MODEL TOTAL OUTPUT

General Load Screening Analysis AERMOD Output Concentration Results

	1-Hr Averaging Period						3-Hr Averaging Period					8-Hr Averaging Period					24-Hr Averaging Period					
	X coordinate	Y coordinate	Elevation	Maximum Unitized Concentration	CO	SO_2	X coordinate	Y coordinate	Elevation	Maximum Unitized Concentration	SO_2	X coordinate	Y coordinate	Elevation	Maximum Unitized Concentration	CO	X coordinate	Y coordinate	Elevation	Maximum Unitized Concentration	SO_2	$PM_{2.5/10}$
ID	m	m	meters	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	m	m	meters	($\mu g/m^3$)	($\mu g/m^3$)	m	m	meters	($\mu g/m^3$)	($\mu g/m^3$)	m	m	meters	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)
GEN1A	628054.2	4097541.7	59.83	122.13	51.766	0.678	628107.8	4097434.7	59.34	76.26	0.424	628070.4	4097505.1	59.86	51.17	21.7	628069	4097485	59.54	18.97	0.105	0.383
GEN1B	628107.8	4097434.7	59.34	140.49	28.004	0.593	628107.8	4097434.7	59.34	86.29	0.364	628070.4	4097505.1	59.86	56.02	11.2	628069	4097485	59.54	22.80	0.096	0.350
GEN1C	628107.8	4097434.7	59.34	167.16	28.068	0.483	628118.5	4097417.8	59.2	99.81	0.288	628070.4	4097505.1	59.86	64.54	10.8	628069	4097485	59.54	26.52	0.077	0.278
GEN1D	628107.8	4097434.7	59.34	217.23	50.916	0.342	628118.5	4097417.8	59.2	126.67	0.199	628070.4	4097505.1	59.86	82.28	19.3	628089	4097845	60.6	37.58	0.059	0.215
GEN1E	628107.8	4097434.7	59.34	266.99	87.356	0.203	628118.5	4097417.8	59.2	155.75	0.118	628070.4	4097505.1	59.86	98.01	32.1	628109	4097825	60.06	60.68	0.046	0.251
GEN2A	628049	4097525	59.74	141.21	59.852	0.784	628107.8	4097434.7	59.34	77.47	0.430	628070.4	4097505.1	59.86	56.57	24.0	628069	4097485	59.54	21.66	0.120	0.437
GEN2B	628049	4097525	59.74	154.47	30.790	0.652	628107.8	4097434.7	59.34	87.47	0.369	628070.4	4097505.1	59.86	61.84	12.3	628069	4097485	59.54	23.91	0.101	0.367
GEN2C	628049	4097525	59.74	175.39	29.450	0.507	628107.8	4097434.7	59.34	101.75	0.294	628070.4	4097505.1	59.86	71.38	12.0	628069	4097485	59.54	29.29	0.085	0.307
GEN2D	628049	4097525	59.74	238.68	55.942	0.376	628129	4097785	59.92	160.94	0.253	628129	4097785	59.92	94.13	22.1	628129	4097785	59.92	56.52	0.089	0.323
GEN2E	628049	4097525	59.74	307.30	100.545	0.234	628129	4097785	59.92	227.17	0.173	628129	4097785	59.92	138.51	45.3	628129	4097785	59.92	85.40	0.065	0.354
GEN3A	628062.3	4097523.4	59.76	149.50	63.366	0.830	628062.3	4097523.4	59.76	77.89	0.433	628070.4	4097505.1	59.86	57.68	24.4	628069	4097485	59.54	21.73	0.121	0.439
GEN3B	628062.3	4097523.4	59.76	162.59	32.409	0.686	628069	4097505	59.74	85.34	0.360	628070.4	4097505.1	59.86	63.04	12.6	628069	4097485	59.54	23.93	0.101	0.367
GEN3C	628062.3	4097523.4	59.76	183.39	30.793	0.530	628107.8	4097434.7	59.34	98.74	0.285	628070.4	4097505.1	59.86	72.42	12.2	628069	4097485	59.54	29.11	0.084	0.305
GEN3D	628062.3	4097523.4	59.76	251.40	58.925	0.396	628069	4097505	59.74	130.37	0.205	628070.4	4097505.1	59.86	95.32	22.3	628109	4097825	60.06	39.86	0.063	0.228
GEN3E	628062.3	4097523.4	59.76	322.17	105.412	0.245	628129	4097785	59.92	170.27	0.129	628070.4	4097505.1	59.86	118.90	38.9	628129	4097785	59.92	63.92	0.049	0.265
GEN4A	628069	4097505	59.74	158.23	67.065	0.879	628070.4	4097505.1	59.86	83.94	0.466	628070.4	4097505.1	59.86	57.66	24.4	628078.5	4097486.8	59.9	21.73	0.121	0.439
GEN4B	628069	4097505	59.74	171.85	34.256	0.725	628070.4	4097505.1	59.86	91.42	0.386	628070.4	4097505.1	59.86	62.90	12.5	628087.5	4097466.4	59.97	24.78	0.105	0.380
GEN4C	628069	4097605	59.69	201.75	33.877	0.583	628070.4	4097505.1	59.86	104.68	0.302	628070.4	4097505.1	59.86	71.36	12.0	628087.5	4097466.4	59.97	29.44	0.085	0.309
GEN4D	628069	4097605	59.69	259.66	60.861	0.409	628070.4	4097505.1	59.86	139.18	0.219	628070.4	4097505.1	59.86	93.53	21.9	628129	4097785	59.92	40.22	0.063	0.230
GEN4E	628069	4097605	59.69	348.49	114.022	0.265	628070.4	4097505.1	59.86	178.47	0.136	628070.4	4097505.1	59.86	117.02	38.3	628129	4097785	59.92	65.22	0.050	0.270
GEN5A	628070.4	4097505.1	59.86	162.63	68.930	0.903	628070.4	4097505.1	59.86	84.93	0.472	628070.4	4097505.1	59.86	56.59	24.0	628153	4097785.2	59.89	24.49	0.136	0.494
GEN5B	628070.4	4097505.1	59.86	176.23	35.128	0.744	628070.4	4097505.1	59.86	92.15	0.389	628070.4	4097505.1	59.86	61.51	12.3	628153	4097785.2	59.89	27.57	0.116	0.423
GEN5C	628069	4097605	59.69	213.43	35.837	0.616	628070.4	4097505.1	59.86	105.33	0.304	628070.4	4097505.1	59.86	69.26	11.6	628153	4097785.2	59.89	31.68	0.092	0.332
GEN5D	628069	4097605	59.69	270.80	63.471	0.426	628070.4	4097505.1	59.86	138.73	0.218	628070.4	4097505.1	59.86	90.27	21.2	628153	4097785.2	59.89	44.82	0.071	0.256
GEN5E	628069	4097605	59.69	361.52	118.285	0.275	628070.4	4097505.1	59.86	179.48	0.136	628070.4	4097505.1	59.86	113.48	37.1	628153	4097785.2	59.89	65.60	0.050	0.272
GEN6A	628070.4	4097505.1	59.86	160.75	68.134	0.893	628068.5	4097627.1	59.92	87.99	0.489	628087.5	4097466.4	59.97	57.31	24.3	628153	4097785.2	59.89	28.61	0.159	0.577
GEN6B	628069	4097605	59.69	186.50	37.175	0.787	628068.5	4097627.1	59.92	98.24	0.415	628087.5	4097466.4	59.97	62.46	12.5	628153	4097785.2	59.89	31.44	0.133	0.482
GEN6C	628069	4097605	59.69	215.19	36.134	0.622	628068.5	4097627.1	59.92	109.40	0.316	628087.5	4097466.4	59.97	69.97	11.7	628153	4097785.2	59.89	36.62	0.106	0.384
GEN6D	628069	4097605	59.69	263.68	61.803	0.415	628070.4	4097505.1	59.86	129.88	0.204	628087.5	4097466.4	59.97	89.83	21.1	628153	4097785.2	59.89	51.18	0.081	0.293
GEN6E	628069	4097605	59.69	348.90	114.156	0.265	628069	4097605	59.69	171.82	0.131	628087.5	4097466.4	59.97	110.42	36.1	628153	4097785.2	59.89	69.97	0.053	0.290
GEN7A	628068.5	4097627.1	59.92	162.24	68.765	0.901	628069.8	4097624.5	59.95	91.41	0.508	628087.5	4097466.4	59.97	55.92	23.7	628153	4097785.2	59.89	29.61	0.164	0.598
GEN7B	628069	4097605	59.69	190.31	37.936	0.803	628069.8	4097624.5	59.95	102.47	0.432	628087.5	4097466.4	59.97	60.33	12.0	628153	4097785.2	59.89	32.52	0.137	0.499
GEN7C	628069	4097605	59.69	214.76	36.061	0.620	628069.8	4097624.5	59.95	113.67	0.328	628087.5	4097466.4	59.97	67.40	11.3	628153	4097785.2	59.89	37.94	0.110	0.398
GEN7D	628069	4097605	59.69	260.22	60.992	0.409	628068.5	4097627.1	59.92	133.29	0.210	628087.5	4097466.4	59.97	86.15	20.2	628153	4097785.2	59.89	51.69	0.081	0.296
GEN7E	628069	4097605	59.69	350.36	114.634	0.266	628069	4097605	59.69	170.48	0.130	628087.5	4097466.4	59.97	105.64	34.6	628153	4097785.2	59.89	68.90	0.052	0.285
GEN8A	628077.9	4097609.5	59.92	181.47	76.917	1.008	628069.8	4097624.5	59.95	92.10	0.512	628062.4	4097731.2	60.88	55.00	23.3	628109	4097765	60.07	34.32	0.191	0.693
GEN8B	628077.9	4097609.5	59.92	198.35	39.538	0.837	628069.8	4097624.5	59.95	103.00	0.435	628080.7	4097739.2	60.7	59.64	11.9	628109	4097765	60.07	37.02	0.156	0.568
GEN8C	628077.9	4097609.5	59.92	220.61	37.043	0.637	628069.8	4097624.5	59.95	113.66	0.328	628080.7	4097739.2	60.7	65.47	11.0	628153	4097785.2	59.89	40.45	0.117	0.424
GEN8D	628077.9	4097609.5	59.92	266.62	62.492	0.419	628069.8	4097624.5	59.95	133.63	0.210	628062.4	4097731.2	60.88	76.80	18.0	628153	4097785.2	59.89	52.56	0.083	0.300
GEN8E	628077.9	4097609.5	59.92	353.58	115.687	0.269	628069.8	4097624.5	59.95	167.18	0.127	628080.7	4097739.2	60.7	96.14	31.5	628153	4097785.2	59.89	67.58	0.051	0.280
GEN9A	628077.9	4097609.5	59.92	193.38	81.963	1.074	628050.3	4097662.7	60.06	90.97	0.505	628062.4	4097731.2	60.88	57.19	24.2	628109	4097765	60.07	36.01	0.200	0.727
GEN9B	628077.9	4097609.5	59.92	211.17	42.094	0.891	628069.8	4097624.5	59.95	99.46	0.420	628062.4	4097731.2	60.88	61.95	12.3	628109	4097765	60.07	38.63	0.163	0.592
GEN9C	628077.9	4097609.5	59.92	233.60	39.223	0.675	628069.8	4097624.5	59.95	109.56	0.316	628062.4	4097731.2	60.88	67.70	11.4	628109	4097765	60.07	42.02	0.121	0.441
GEN9D	628077.9	4097609.5	59.92	282.54	66.222	0.445	628050.3	4097662.7	60.06	128.99	0.203	628062.4	4097731.2	60.88	79.44	18.6	628153	4097785.2	59.89	52.06	0.082	0.298
GEN9E	628077.9	4097609.5	59.92	375.21	122.766	0.285	628050.3	4097662.7	60.06	162.80	0.124	628062.4	4097731.2	60.88	99.55	32.6	628153	4097785.2	59.89	66.77	0.051	0.277
GEN10A	628077.9	4097609.4	59.92	193.63	82.070	1.076	628050.3	4097662.7	60.06	91.23	0.507	628044	4097723.2	60.91	60.76	25.8	628109	4097765	60.07	38.23	0.212	0.772
GEN10B	628077.9	4097609.4	59.92	211.13	42.086	0.891	628050.3	4097662.7	60.06	98.47	0.416	628044	4097723.2	60.91	65.39	13.0	628109	4097765	60.07	40.80	0.172	0.626
GEN10C	628077.9	4097609.4	59.92	232.97	39.118	0.673	628050.3	4097662.7	60.06	107.75	0.311	628044	4097723.2	60.91	71.29	12.0	628109	4097765	60.07	43.83	0.127	0.460
GEN10D	628077.9	4097609.4	59.92	286.42	67.133	0.451	628050.3	4097662.7	60.06	129.27	0.203	628044	4097723.2	60.91	83.69	19.6	628153	4097785.2	59.89	50.25	0.079	0.287
GEN10E	628077.9	4097609.4	59.92	384.89	125.932	0.292	628050.3	4097662.7	60.06	165.07	0.125	628044	4097723.2	60.91	105.28	34.4	628050.3	4097662.7	60.06	64.09	0.049	0.265
GEN11A	628077.9	4097609.4	59.92	184.23	78.087	1.023	628050.3	4097662.7	60.06	88.53	0.492	628044	4097723.2	60.91	61.59	26.1	628109	4097765	60.07	39.09	0.217	0.789
GEN11B	628077.9	4097609.4	59.92	200.57	39.980	0.846	628050.3	4097662.7	60.06	95.50	0.403	628044	4097723.2	60.91	66.39	13.2	628109	4097765	60.07	41.71	0.176	0.640
GEN11C	628077.9	4097609.4	59.92	222.70	37.394	0.643	628059.4	4097644.9	60.02	104.04	0.301	628044	4097723.2	60.91	72.17	12.1	628109	4097765	60.07	45.00	0.130	0.472
GEN11D	628077.9	4097609.4	59.92	275.48	64.567	0.433	628050.3	4097662.7	60.06	125.96	0.198	628044	4097723.2	60.91	84.82	19.9	628109	4097765	60.07	51.29	0.081	0.293
GEN11E	628077.9	4097609.4	59.92	370.13	121.104	0.281	628059.4	4097644.9	60.02	161.29	0.123	628044	4097723.2	60.91	107.07	35.0	628050.3	4097662.7	60.06	64.50	0.049	0.267
GEN12A	628077.9	4097609.4	59.92	165.28	70.052	0.918	628059.4	4097644.9	60.02	87.34	0.485	628044	4097723.2	60.91	62.02	26.3	628109	4097765	60.07	39.89	0.222	0.805
GEN12B	628077.9	4097609.4	59.92	179.42	35.765	0.757	628059.4	4097644.9	60.02	94.78	0.400	628044	4097723.2	60.91	66.67	13.3	628109	4097765	60.07	42.53	0.179	0.652
GEN12C	628077.9	4097609.4	59.92	197.04	33.085	0.569	628059.4	4097644.9	60.02	103.68	0.299	628044	4097723.2	60.91	72.49	12.2	628109	4097765	60.07	45.60	0.132	0.479
GEN12D	628077.9	4097609.4	59.92	237.78	55.731	0.374	628059.4	4097644.9	60.02	124.38	0.196	628044	4097723.2	60.91	85.54	20.0	628109	4097765	60.07	52.35	0.082	0.299

General Load Screening Analysis AERMOD Output Concentration Results

	1-Hr Averaging Period						3-Hr Averaging Period					8-Hr Averaging Period					24-Hr Averaging Period					
	X coordinate	Y coordinate	Elevation	Maximum Unitized Concentration	CO	SO_2	X coordinate	Y coordinate	Elevation	Maximum Unitized Concentration	SO_2	X coordinate	Y coordinate	Elevation	Maximum Unitized Concentration	CO	X coordinate	Y coordinate	Elevation	Maximum Unitized Concentration	SO_2	$PM_{2.5/10}$
ID	m	m	meters	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	m	m	meters	($\mu g/m^3$)	($\mu g/m^3$)	m	m	meters	($\mu g/m^3$)	($\mu g/m^3$)	m	m	meters	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)
GEN12E	628077.9	4097609.4	59.92	320.77	104.952	0.244	628059.4	4097644.9	60.02	162.15	0.123	628044	4097723.2	60.91	108.31	35.4	628050.3	4097662.7	60.06	64.08	0.049	0.265
GEN13A	628087.9	4097591	59.76	139.08	58.948	0.773	628044	4097723.2	60.91	87.15	0.484	628083.9	4097743.3	60.71	57.48	24.4	628109	4097765	60.07	40.66	0.226	0.821
GEN13B	628087.9	4097591	59.76	149.56	29.813	0.631	628044	4097723.2	60.91	93.91	0.396	628083.9	4097743.3	60.71	60.68	12.1	628109	4097765	60.07	43.01	0.182	0.660
GEN13C	628087.9	4097591	59.76	163.41	27.438	0.472	628044	4097723.2	60.91	104.86	0.303	628069	4097745	61.08	70.25	11.8	628109	4097765	60.07	46.49	0.134	0.488
GEN13D	628087.9	4097591	59.76	194.89	45.680	0.307	628044	4097723.2	60.91	130.82	0.206	628069	4097745	61.08	84.88	19.9	628109	4097765	60.07	56.31	0.089	0.322
GEN13E	628087.9	4097591	59.76	281.74	92.182	0.214	628044	4097723.2	60.91	162.80	0.124	628041.2	4097680.5	60.18	103.27	33.8	628109	4097765	60.07	68.11	0.052	0.282
GEN14A	628071	4097582.2	59.98	134.44	56.982	0.747	628044	4097723.2	60.91	85.17	0.473	628044	4097723.2	60.91	59.20	25.1	628118.1	4097764	59.94	40.16	0.223	0.811
GEN14B	628071	4097582.2	59.98	146.23	29.149	0.617	628044	4097723.2	60.91	92.37	0.390	628044	4097723.2	60.91	63.37	12.6	628118.1	4097764	59.94	42.50	0.179	0.652
GEN14C	628071	4097582.2	59.98	160.69	26.982	0.464	628044	4097723.2	60.91	103.21	0.298	628044	4097723.2	60.91	71.11	11.9	628089	4097765	60.19	46.41	0.134	0.487
GEN14D	628071	4097582.2	59.98	191.36	44.852	0.301	628044	4097723.2	60.91	130.73	0.206	628044	4097723.2	60.91	87.78	20.6	628089	4097765	60.19	56.66	0.089	0.324
GEN14E	628071	4097582.2	59.98	277.58	90.823	0.211	628044	4097723.2	60.91	162.56	0.124	628044	4097723.2	60.91	105.17	34.4	628118.1	4097764	59.94	67.97	0.052	0.282
GEN15A	628087.4	4097591.9	59.76	131.28	55.641	0.729	628044	4097723.2	60.91	84.94	0.472	628044	4097723.2	60.91	59.42	25.2	628118.1	4097764	59.94	40.01	0.222	0.807
GEN15B	628071	4097582.2	59.98	141.53	28.212	0.597	628044	4097723.2	60.91	91.72	0.387	628044	4097723.2	60.91	64.07	12.8	628118.1	4097764	59.94	42.40	0.179	0.650
GEN15C	628087.4	4097591.9	59.76	156.17	26.222	0.451	628044	4097723.2	60.91	102.58	0.296	628044	4097723.2	60.91	71.98	12.1	628089	4097765	60.19	46.88	0.135	0.492
GEN15D	628087.4	4097591.9	59.76	192.81	45.191	0.303	628044	4097723.2	60.91	130.62	0.206	628044	4097723.2	60.91	89.49	21.0	628089	4097765	60.19	57.49	0.090	0.329
GEN15E	628071	4097582.2	59.98	272.05	89.014	0.207	628044	4097723.2	60.91	161.52	0.123	628044	4097723.2	60.91	106.78	34.9	628089	4097765	60.19	68.61	0.052	0.284
GEN16A	628071	4097582.2	59.98	128.47	54.450	0.714	628044	4097723.2	60.91	83.42	0.463	628044	4097723.2	60.91	59.16	25.1	628089	4097765	60.19	40.04	0.222	0.808
GEN16B	628071	4097582.2	59.98	137.87	27.482	0.582	628044	4097723.2	60.91	90.92	0.384	628044	4097723.2	60.91	64.73	12.9	628089	4097765	60.19	43.07	0.182	0.660
GEN16C	628071	4097582.2	59.98	154.09	25.874	0.445	628044	4097723.2	60.91	101.54	0.293	628044	4097723.2	60.91	73.49	12.3	628089	4097765	60.19	48.29	0.139	0.507
GEN16D	628071	4097582.2	59.98	195.00	45.704	0.307	628044	4097723.2	60.91	127.51	0.201	628044	4097723.2	60.91	91.11	21.4	628089	4097765	60.19	59.38	0.093	0.339
GEN16E	628071	4097582.2	59.98	253.11	82.816	0.192	628044	4097723.2	60.91	157.39	0.120	628044	4097723.2	60.91	107.85	35.3	628089	4097765	60.19	70.33	0.053	0.291
GEN17A	628049	4097545	59.86	130.10	55.145	0.723	628044	4097723.2	60.91	82.18	0.456	628044	4097723.2	60.91	58.67	24.9	628089	4097765	60.19	39.99	0.222	0.807
GEN17B	628049	4097545	59.86	139.16	27.739	0.587	628044	4097723.2	60.91	90.06	0.380	628044	4097723.2	60.91	64.65	12.9	628089	4097765	60.19	43.31	0.183	0.664
GEN17C	628049	4097545	59.86	153.07	25.702	0.442	628044	4097723.2	60.91	101.19	0.292	628044	4097723.2	60.91	73.72	12.4	628089	4097765	60.19	48.80	0.141	0.512
GEN17D	628049	4097545	59.86	193.63	45.384	0.305	628044	4097723.2	60.91	125.96	0.198	628044	4097723.2	60.91	91.26	21.4	628089	4097765	60.19	60.00	0.094	0.343
GEN17E	628049	4097545	59.86	254.97	83.425	0.194	628044	4097723.2	60.91	154.66	0.118	628044	4097723.2	60.91	107.45	35.2	628089	4097765	60.19	70.76	0.054	0.293
GEN18A	628049	4097545	59.86	145.85	61.819	0.810	628089	4097765	60.19	80.45	0.447	628044	4097723.2	60.91	56.74	24.0	628089	4097765	60.19	40.30	0.224	0.813
GEN18B	628049	4097545	59.86	156.49	31.194	0.660	628089	4097765	60.19	88.95	0.375	628044	4097723.2	60.91	63.27	12.6	628089	4097765	60.19	44.24	0.187	0.678
GEN18C	628049	4097545	59.86	173.85	29.191	0.502	628089	4097765	60.19	102.93	0.297	628044	4097723.2	60.91	72.58	12.2	628089	4097765	60.19	50.35	0.145	0.528
GEN18D	628049	4097545	59.86	223.44	52.371	0.352	628089	4097765	60.19	129.02	0.203	628044	4097723.2	60.91	89.35	20.9	628089	4097765	60.19	61.56	0.097	0.352
GEN18E	628049	4097545	59.86	292.94	95.848	0.223	628089	4097765	60.19	154.41	0.117	628089	4097765	60.19	106.15	34.7	628089	4097765	60.19	72.16	0.055	0.299
GEN19A	628049	4097545	59.86	150.77	63.905	0.838	628089	4097765	60.19	81.70	0.454	628069	4097745	61.08	56.87	24.1	628089	4097765	60.19	40.39	0.224	0.815
GEN19B	628049	4097545	59.86	162.75	32.441	0.687	628089	4097765	60.19	91.00	0.384	628069	4097745	61.08	63.38	12.6	628089	4097765	60.19	44.52	0.188	0.683
GEN19C	628049	4097545	59.86	181.61	30.494	0.525	628089	4097765	60.19	106.06	0.306	628069	4097745	61.08	72.58	12.2	628089	4097765	60.19	50.93	0.147	0.535
GEN19D	628049	4097545	59.86	237.66	55.704	0.374	628089	4097765	60.19	131.35	0.207	628089	4097765	60.19	88.90	20.8	628089	4097765	60.19	62.12	0.098	0.355
GEN19E	628049	4097545	59.86	304.33	99.575	0.231	628089	4097765	60.19	156.01	0.119	628089	4097765	60.19	107.11	35.0	628089	4097765	60.19	72.56	0.055	0.301
GEN20A	628049	4097545	59.86	153.22	64.941	0.851	628089	4097765	60.19	84.32	0.468	628069	4097745	61.08	58.93	25.0	628089	4097765	60.19	40.34	0.224	0.814
GEN20B	628049	4097545	59.86	167.57	33.402	0.707	628089	4097765	60.19	93.88	0.396	628069	4097745	61.08	66.30	13.2	628089	4097765	60.19	44.79	0.189	0.687
GEN20C	628049	4097545	59.86	187.09	31.414	0.540	628089	4097765	60.19	108.91	0.315	628069	4097745	61.08	76.11	12.8	628089	4097765	60.19	51.52	0.149	0.541
GEN20D	628049	4097545	59.86	251.27	58.893	0.395	628089	4097765	60.19	135.40	0.213	628089	4097765	60.19	90.54	21.2	628089	4097765	60.19	62.13	0.098	0.355
GEN20E	628049	4097545	59.86	321.51	105.197	0.244	628049	4097545	59.86	162.90	0.124	628089	4097765	60.19	108.07	35.4	628089	4097765	60.19	71.96	0.055	0.298
GEN21A	628049	4097545	59.86	149.28	63.272	0.829	628089	4097765	60.19	84.46	0.469	628069	4097745	61.08	59.59	25.3	628089	4097765	60.19	40.57	0.225	0.819
GEN21B	628049	4097545	59.86	163.45	32.581	0.690	628089	4097765	60.19	94.99	0.401	628069	4097745	61.08	67.22	13.4	628089	4097765	60.19	45.41	0.192	0.696
GEN21C	628049	4097545	59.86	182.98	30.725	0.529	628089	4097765	60.19	110.70	0.320	628069	4097745	61.08	77.05	12.9	628089	4097765	60.19	52.17	0.151	0.547
GEN21D	628049	4097545	59.86	246.73	57.829	0.388	628089	4097765	60.19	135.86	0.214	628089	4097765	60.19	90.78	21.3	628089	4097765	60.19	62.41	0.098	0.357
GEN21E	628049	4097545	59.86	320.26	104.786	0.243	628049	4097545	59.86	166.97	0.127	628089	4097765	60.19	108.76	35.6	628089	4097765	60.19	71.99	0.055	0.298
GEN22A	628062.3	4097523.4	59.76	139.95	59.317	0.777	628089	4097765	60.19	83.79	0.465	628069	4097745	61.08	60.20	25.5	628089	4097765	60.19	41.28	0.229	0.833
GEN22B	628049	4097525	59.74	153.15	30.527	0.646	628089	4097765	60.19	95.78	0.404	628069	4097745	61.08	68.08	13.6	628089	4097765	60.19	46.77	0.197	0.717
GEN22C	628049	4097525	59.74	175.05	29.393	0.506	628089	4097765	60.19	111.18	0.321	628069	4097745	61.08	77.03	12.9	628089	4097765	60.19	53.48	0.154	0.561
GEN22D	628049	4097525	59.74	237.41	55.645	0.374	628089	4097765	60.19	136.47	0.215	628089	4097765	60.19	91.53	21.5	628089	4097765	60.19	62.96	0.099	0.360
GEN22E	628049	4097525	59.74	308.92	101.076	0.235	628049	4097525	59.74	170.34	0.129	628089	4097765	60.19	111.61	36.5	628089	4097765	60.19	72.08	0.055	0.299
GEN23A	628062.3	4097523.4	59.76	135.85	57.579	0.755	628089	4097765	60.19	83.50	0.464	628069	4097745	61.08	60.43	25.6	628089	4097765	60.19	41.72	0.232	0.842
GEN23B	628062.3	4097523.4	59.76	148.11	29.523	0.625	628089	4097765	60.19	95.73	0.404	628069	4097745	61.08	68.35	13.6	628089	4097765	60.19	47.43	0.200	0.727
GEN23C	628062.3	4097523.4	59.76	170.92	28.700	0.494	628089	4097765	60.19	111.42	0.322	628069	4097745	61.08	77.23	13.0	628089	4097765	60.19	54.18	0.156	0.569
GEN23D	628062.3	4097523.4	59.76	231.23	54.197	0.364	628089	4097765	60.19	136.58	0.215	628089	4097765	60.19	92.69	21.7	628089	4097765	60.19	63.46	0.100	0.363
GEN23E	628062.3	4097523.4	59.76	297.78	97.431	0.226	628049	4097525	59.74	171.88	0.131	628089	4097765	60.19	112.63	36.9	628089	4097765	60.19	71.67	0.054	0.297
GEN24A	628029	4097545	59.63	118.27	50.129	0.657	628089	4097765	60.19	83.32	0.463	628069	4097745	61.08	60.56	25.7	628089	4097765	60.19	43.02	0.239	0.868
GEN24B	628009	4097605	60.1	136.70	27.249	0.577	628089	4097765	60.19	95.65	0.404	628069	4097745	61.08	68.22	13.6	628089	4097765	60.19	48.84	0.206	0.749
GEN24C	628029	4097545	59.63	161.16	27.060	0.465	628089	4097765	60.19	110.53	0.319	628089	4097765	60.19	77.21	13.0	628089	4097765	60.19	55.14	0.159	0.579

General Load Screening Analysis AERMOD Output Concentration Results

	1-Hr Averaging Period						3-Hr Averaging Period					8-Hr Averaging Period					24-Hr Averaging Period					
	X coordinate	Y coordinate	Elevation	Maximum Unitized Concentration	CO	SO_2	X coordinate	Y coordinate	Elevation	Maximum Unitized Concentration	SO_2	X coordinate	Y coordinate	Elevation	Maximum Unitized Concentration	CO	X coordinate	Y coordinate	Elevation	Maximum Unitized Concentration	SO_2	$PM_{2.5/10}$
ID	m	m	meters	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)	m	m	meters	($\mu g/m^3$)	($\mu g/m^3$)	m	m	meters	($\mu g/m^3$)	($\mu g/m^3$)	m	m	meters	($\mu g/m^3$)	($\mu g/m^3$)	($\mu g/m^3$)
GEN24D	628029	4097545	59.63	212.29	49.756	0.334	628029	4097665	60.7	136.71	0.215	628089	4097765	60.19	94.50	22.1	628089	4097765	60.19	64.09	0.101	0.366
GEN24E	628029	4097545	59.63	264.00	86.380	0.201	628029	4097665	60.7	163.66	0.124	628089	4097765	60.19	115.28	37.7	628089	4097765	60.19	71.37	0.054	0.296
GEN25A	628032.1	4097698.3	60.55	120.36	51.014	0.669	628029	4097665	60.7	85.37	0.474	628089	4097765	60.19	60.65	25.7	628089	4097765	60.19	43.79	0.243	0.884
GEN25B	628032.1	4097698.3	60.55	140.52	28.011	0.593	628029	4097665	60.7	96.87	0.409	628089	4097765	60.19	69.42	13.8	628089	4097765	60.19	49.46	0.209	0.758
GEN25C	628032.1	4097698.3	60.55	165.41	27.775	0.478	628089	4097765	60.19	110.21	0.318	628089	4097765	60.19	78.41	13.2	628089	4097765	60.19	55.51	0.160	0.583
GEN25D	628032.1	4097698.3	60.55	211.16	49.492	0.332	628069	4097745	61.08	137.16	0.216	628089	4097765	60.19	95.65	22.4	628089	4097765	60.19	64.31	0.101	0.368
GEN25E	628032.1	4097698.3	60.55	256.14	83.808	0.195	628089	4097765	60.19	166.64	0.127	628089	4097765	60.19	116.50	38.1	628089	4097765	60.19	71.32	0.054	0.295
LSGEN1F	628087.9	4097591	59.76	220.19	36.943	0.303	628044	4097723.2	60.91	137.91	0.190	628109	4097765	60.07	102.17	17.1	628109	4097765	60.07	79.64	0.110	1.633
SEC1G	628125.5	4097891	61.09	874.17	60.841	0.374	628127.1	4097897.3	61.26	621.60	0.266	628127.1	4097897.3	61.26	504.97	35.1	628127.1	4097897.3	61.26	169.02	0.072	1.315

1. All pollutant-specific emission concentrations are calculated are based on the ratio of the maximum hourly emission rate (converted to g/s) of the respective pollutant to the modeled emission rate (1 g/s) and the maximum unitized concentration.

2. All X and Y coordinates refer to the coordinates of the receptor which experiences the maximum unitized concentration.