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MEMORANDUM

DATE: March 1, 2019

TO: Alyssa Helper, Project Manager

FROM: Amy Fischer, Principal
Cara Carlucci, Planner

SUBJECT: Air Quality and Greenhouse Gas Analysis – San Jose Public Storage Project

INTRODUCTION

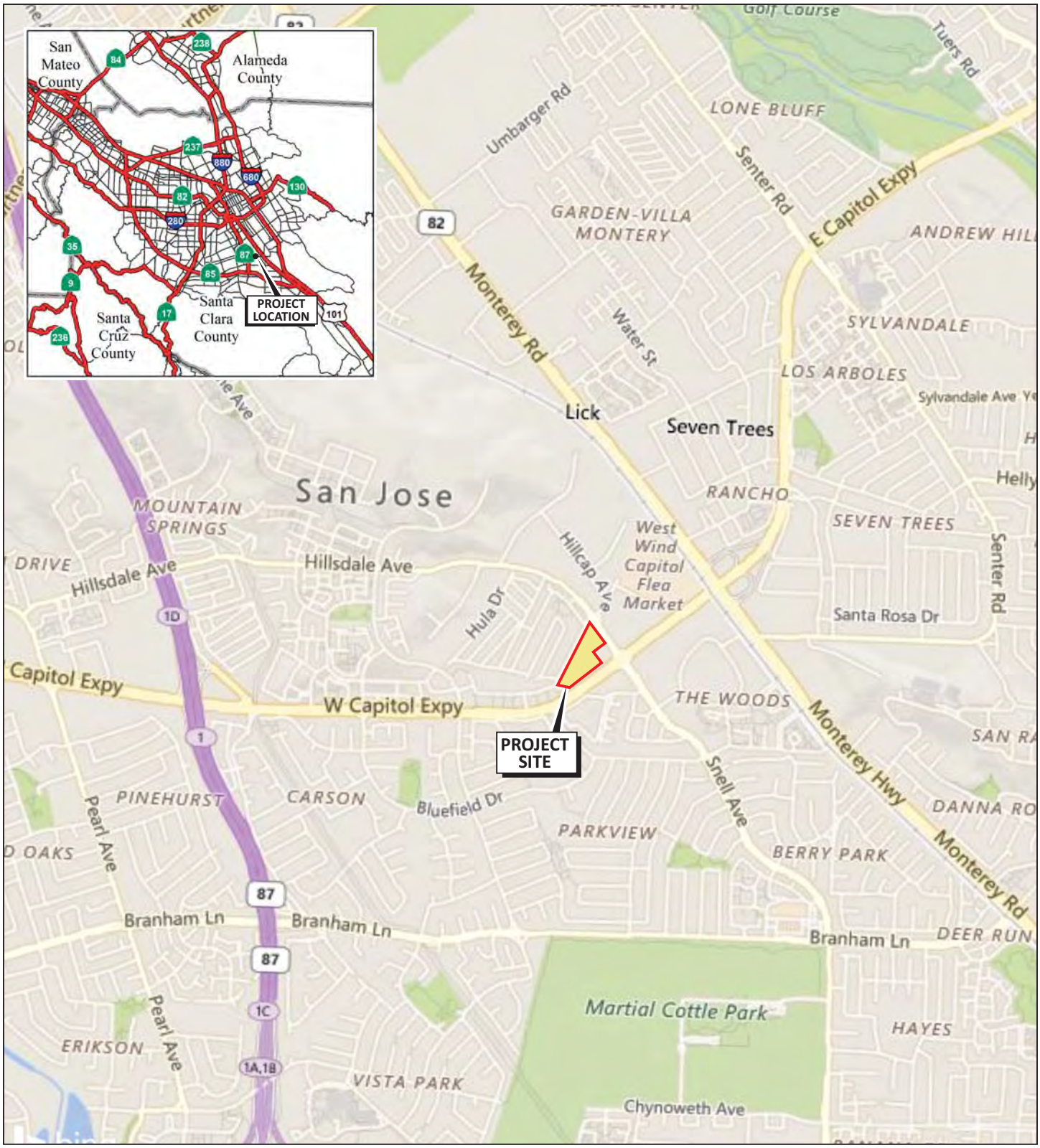
This Air Quality and Greenhouse Gas Analysis Memorandum for the proposed San Jose Public Storage Project (Project) in the City of San Jose (City) has been prepared using methods and assumptions recommended in the Bay Area Air Quality Management District's (BAAQMD) *California Environmental Quality Act (CEQA) Guidelines*.[1] This analysis includes an assessment of criteria pollutant emissions, an assessment of carbon monoxide (CO) hot-spot impacts, and an assessment of the Project's greenhouse gas (GHG) emissions.

PROJECT DESCRIPTION

The Project site is located at 231 West Capitol Expressway and 3911 Snell Avenue in the southern portion of the City of San Jose, located in northern Santa Clara County (County). As shown in Figure 1, regional access to the Project site is provided by State Route 87 (SR-87) and State Route 82 (SR-82, Monterey Highway). SR-87 travels north-south and is approximately 1.0 mile west of the Project site. SR-82 generally travels east-west and is approximately 0.3 mile east of the Project site.

The Project site currently consists of 16 one-story self-storage buildings, totaling 133,701 square feet (sf), operated by Public Storage, as well as on-site parking areas. In addition, the Project site includes two rental offices within two of the existing self-storage buildings (Buildings A and GG) that consist of a total of 1,500 sf and 1,040 sf, respectively. The existing rental offices are open Monday through Friday from 9:30 a.m. to 6:00 p.m., and Saturday and Sunday from 9:30 a.m. to 5:00 p.m. Storage spaces are accessible from 6:00 a.m. to 9:00 p.m., 7 days per week. In addition, in its existing setting, the Project site includes a caretaker apartment, which houses an on-site employee who provides management and maintenance services on the property.

[1] Bay Area Air Quality Management District (BAAQMD). 2017. *CEQA Air Quality Guidelines*. May.



LSA

FIGURE 1

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0 1000 2000

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SOURCE: Bing Maps

231 West Capitol Expressway Public Storage

Regional Project Location

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The proposed Project would include the demolition of existing self-storage uses on the site and the construction of new self-storage uses in their place. In addition, the caretaker apartment would be demolished as part of the Project, and no replacement apartment would be constructed in its place. The proposed Project would consolidate eight existing one-story self-storage buildings on the site into two four-story buildings. As shown in Table 1, below, the Project square footage of the two proposed buildings would total 359,232 sf in new construction (a net increase in 293,694 sf of building area on the site). Following completion of the proposed Project, the total square footage on the site would be 427,395 sf.

Table 1: Project Square Footage

Project Specifics	Building Area (sf)
Pre-Project Existing Square Footage	133,701
Phase I	
To be Demolished	34,457
To Remain	99,244
To be Constructed	179,616
Total Phase I Square Footage	**278,860**
Phase II	
To be Demolished	31,081
To Remain	247,779
To be Constructed	179,616
Net Increase	293,694
Total Project Square Footage	**427,395**

sf = square foot/square feet

Refer to Table 2, below, for a breakdown of existing and proposed buildings on the Project site. The Project's conceptual site plan in shown in Figure 2.

Construction of the proposed Project is anticipated to occur over the course of 24 months. Construction would occur in two 12-month phases. The first phase would occur on the west property, and the second phase would occur on the east property. Phase I construction is estimated to begin in April 2020 and would be operational in April 2021. Phase II construction is estimated to begin in October 2022 and would be operational in October 2023. Construction of Phase I would include the demolition of 34,457 sf of existing buildings and would require the import of approximately 500 cubic yards (cy) of soil. In addition, construction of Phase II would include the demolition of 31,081 sf of existing buildings and would require the import of approximately 575 cy of soil.

Approximately 20 to 30 workers would be on the Project site on a typical day during Project construction. Construction would take place between the hours of 7:00 a.m. and 5:00 p.m., Monday through Friday, and between 8:00 a.m. and 5:00 p.m. on Saturdays. Contractors would utilize carpooling to the maximum extent possible during the construction phase of the Project. Hauling/ deliveries to and from the construction site would amount to approximately two to six trips per day, between the hours of 7:00 a.m. and 5:00 p.m.

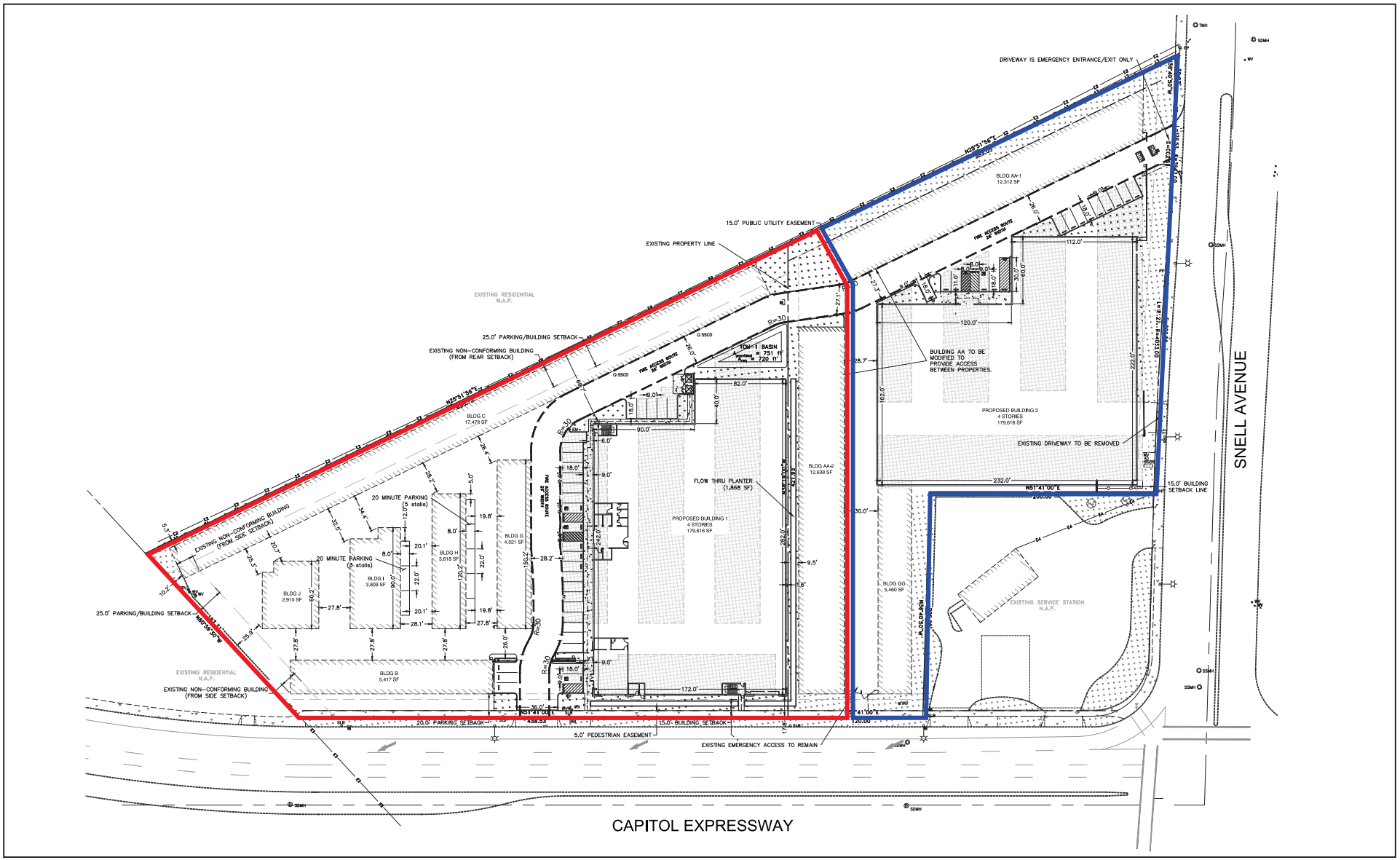

FIGURE 2

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LEGEND

Phase 1

Phase 2

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SOURCE: KSP Studio

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231 West Capitol Expressway Public Storage

Conceptual Site Plan

Table 2: Existing and Proposed Buildings on the Project Site

Buildings	Building Area (square footage)	Phase I Status	Phase II Status
Existing Buildings			
West Property			
A	6,449	To be Demolished	-
B	5,417	To Remain	To Remain
C	17,478	To Remain	To Remain
D	9,827	To be Demolished	-
E	8,212	To be Demolished	-
F	7,034	To be Demolished	-
G	4,521	To Remain	To Remain
H	3,618	To Remain	To Remain
I	3,809	To Remain	To Remain
J	2,910	To Remain	To Remain
East Property			
AA	27,885	To be Modified (see AA-1 and AA-2)	To Remain
BB	7,721	To Remain	To be Demolished
CC	5,909	To Remain	To be Demolished
DD	4,989	To Remain	To be Demolished
EE	2,796	To Remain	To be Demolished
GG	15,126	To Remain	To be Modified (see Modified GG)
Proposed New/Modified Buildings			
West Property			
1	179,616	To be Constructed	To Remain
2	179,616	-	To be Constructed
East Property			
AA-1	12,312	To be Modified	To Remain
AA-2	12,638	To be Modified	To Remain
Modified GG	5,460	-	To be Modified

Source: Compiled by LSA (2019).

During Phase I of the Project, four of the existing buildings (Buildings A, D, E, and F) on the west property would be demolished and replaced with a new four-story storage facility (Building 1) totaling 179,616 sf, which would include a rental office. Approximately 0.62 acre of pavement would be laid during Phase I of construction.

The rental office would allow customers to inquire about rental spaces, pay rent, or purchase packing supplies. Similar to existing operations, the rental office hours would be Monday through Friday from 8:00 a.m. to 8:00 p.m., and Saturday and Sunday from 8:00 a.m. to 7:00 p.m. Customers would access their storage spaces through a secured lobby using an individual customer access code. The storage spaces would be accessible from 6:00 a.m. to 9:00 p.m., 7 days per week.

During Phase I of construction, the Project would also demolish the northwestern most portion of Building AA to create two separate buildings (Buildings AA-1 and AA-2) and to provide access between the two properties. Buildings AA-1 and AA-2 would total 12,312 sf and 12,638 sf, respectively.

Buildings B, C, G, H, I, and J would remain in place and customer access would continue to be provided at the exterior of the buildings.

During Phase II of the Project, four buildings (Buildings BB, CC, DD, and EE) would be demolished and replaced with a new four-story storage facility (Building 2) totaling 179,616 sf. Approximately 0.70 acre of pavement would be laid during Phase II of construction.

In addition, similar to Building 1, customers would access Building 2 and their storage spaces through a secured lobby using individual customer access codes. The storage spaces would be accessible from 6:00 a.m. to 9:00 p.m., 7 days per week.

Phase II would include the partial demolition of Building GG, resulting in a total square footage of 5,460 sf. Following completion of Phase II, customer access to Building GG would continue to be provided at the building exterior.

ENVIRONMENTAL SETTING

Air Quality Background

Both State and federal governments have established health-based Ambient Air Quality Standards (AAQS) for six criteria air pollutants:[2] carbon monoxide (CO), ozone (O_3), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), lead (Pb), and suspended particulate matter (PM). In addition, the State has set standards for sulfates, hydrogen sulfide, vinyl chloride, and visibility-reducing particles. These standards are designed to protect the health and welfare of the populace with a reasonable margin of safety. Two criteria pollutants, O_3 and NO_2, are considered regional pollutants because they (or their precursors) affect air quality on a regional scale. Pollutants such as CO, SO_2, and Pb are considered local pollutants that tend to accumulate in the air locally.

The primary pollutants of concern in the Project area are O_3, CO, and PM. Significance thresholds established by an air quality district are used to manage total regional and local emissions within an air basin based on the air basin's attainment status for criteria pollutants. These emission thresholds were established for individual development projects that would contribute to regional and local emissions and could adversely affect or delay the San Francisco Bay Area Air Basin's projected attainment target goals for nonattainment criteria pollutants.

Because of the conservative nature of the significance thresholds, and the basin-wide context of individual development project emissions, there is no direct correlation between a single project and localized air quality-related health effects. One individual project that generates emissions exceeding a threshold does not necessarily result in adverse health effects for residents in the Project vicinity. This condition is especially true when the criteria pollutants exceeding thresholds are those with regional effects, such as ozone precursors like nitrogen oxides (NO_X) and reactive organic gases (ROG).

[2] Criteria pollutants are defined as those pollutants for which the Federal and State governments have established ambient air quality standards, or criteria, for outdoor concentrations in order to protect public health.

Occupants of facilities such as schools, day care centers, parks and playgrounds, hospitals, and nursing and convalescent homes are considered to be more sensitive than the general public to air pollutants because these population groups have increased susceptibility to respiratory disease. Persons engaged in strenuous work or exercise also have increased sensitivity to poor air quality. Residential areas are considered more sensitive to air quality conditions, compared to commercial and industrial areas, because people generally spend longer periods of time at their residences, with greater associated exposure to ambient air quality conditions. Recreational uses are also considered sensitive compared to commercial and industrial uses due to greater exposure to ambient air quality conditions associated with exercise. The closest sensitive receptors to the Project site include the mobile home park located adjacent to the northern boundary of the site and a condominium complex located adjacent to the western boundary of the site.

In addition to the criteria pollutants discussed above, toxic air contaminants (TACs) are another group of pollutants of concern. Some examples of TACs include: benzene, butadiene, formaldehyde, and hydrogen sulfide. Potential human health effects of TACs include birth defects, neurological damage, cancer, and death. There are hundreds of different types of TACs with varying degrees of toxicity. Individual TACs vary greatly in the health risks they present; at a given level of exposure, one TAC may pose a hazard that is many times greater than another.

TACs do not have ambient air quality standards, but are regulated by the United States Environmental Protection Agency (USEPA) and the California Air Resources Board (CARB). In 1998, CARB identified particulate matter from diesel-fueled engines as a toxic air contaminant. CARB has completed a risk management process that identified potential cancer risks for a range of activities and land uses that are characterized by use of diesel-fueled engines.[3] High volume freeways, stationary diesel engines, and facilities attracting heavy and constant diesel vehicle traffic (distribution centers, truck stops, etc.) were identified as posing the highest risk to adjacent receptors. Other facilities associated with increased risk include warehouse distribution centers, large retail or industrial facilities, high volume transit centers, and schools with a high volume of bus traffic. Health risks from TACs are a function of both concentration and duration of exposure.

The BAAQMD regulates TACs using a risk-based approach. This approach uses a health risk assessment to determine what sources and pollutants to control as well as the degree of control. A health risk assessment is an analysis in which human health exposure to toxic substances is estimated, and considered together with information regarding the toxic potency of the substances, in order to provide a quantitative estimate of health risks.[4] As part of ongoing efforts to identify and assess potential health risks to the public, the BAAQMD has collected and compiled air toxics emissions data from industrial and commercial sources of air pollution throughout the Bay Area.

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[3] California Air Resources Board (CARB). 2000. *Fact Sheet – California's Plan to Reduce Diesel Particulate Matter Emissions*. Website: www.arb.ca.gov/diesel/factsheets/rrpfactsheet.pdf (accessed February 2019). October.

[4] In general, a health risk assessment is required if the BAAQMD concludes that projected emissions of a specific air toxic compound from a proposed new or modified source suggests a potential public health risk. Such an assessment generally evaluates chronic, long-term effects, including the increased risk of cancer as a result of exposure to one or more TACs.

Monitoring data and emissions inventories of TACs help the BAAQMD determine health risks to Bay Area residents.

Ambient monitoring concentrations of TACs indicate that pollutants emitted primarily from motor vehicles (1,3-butadiene and benzene) account for slightly over 50 percent of the average calculated cancer risk from ambient air in the Bay Area.[5] According to the BAAQMD, ambient benzene levels declined dramatically in 1996 with the advent of Phase 2 reformulated gasoline. Due to this reduction, the calculated average cancer risk based on monitoring results has been reduced to 143 in 1,000,000; however, this risk does not include the risk resulting from exposure to diesel particulate matter or other compounds not monitored.

Unlike TACs emitted from industrial and other stationary sources noted above, most diesel particulate matter is emitted from mobile sources – primarily "off-road" sources such as construction and mining equipment, agricultural equipment, and truck-mounted refrigeration units, as well as trucks and buses traveling on freeways and local roadways. Agricultural and mining equipment is not commonly used in urban parts of the Bay Area, while construction equipment typically operates for a limited time at various locations. As a result, the readily identifiable locations where diesel particulate matter is emitted in the Bay Area include high-traffic roadways and other areas with substantial truck traffic.

Although not specifically monitored, recent studies indicate that exposure to diesel particulate matter may contribute significantly to a cancer risk (a risk of approximately 500 to 700 in 1,000,000) that is greater than all other measured TACs combined.[6] The CARB Diesel Risk Reduction Plan is intended to substantially reduce diesel particulate matter emissions and associated health risks through introduction of ultra-low-sulfur diesel fuel – a step already implemented – and cleaner-burning diesel engines. The technology for reducing diesel particulate matter emissions from heavy-duty trucks is well established, and both State and federal agencies are moving aggressively to regulate engines and emission control systems to reduce and remediate diesel emissions. CARB anticipates that by 2020, average Statewide diesel particulate matter concentrations will decrease by 85 percent from levels in 2000 with full implementation of the Diesel Risk Reduction Plan, meaning that the Statewide health risk from diesel particulate matter is expected to decrease from 540 cancer cases in 1,000,000 to 21.5 cancer cases in 1,000,000. It is likely that the Bay Area cancer risks from diesel particulate matter will decrease by a similar factor by 2020.

Existing Climate and Air Quality

The following provides a discussion of the local and regional air quality and climate in the San Jose area.

Regional and Local Air Quality

The City of San Jose is located in the southern part of the San Francisco Bay Area Air Basin, a large shallow air basin ringed by hills that taper into a number of sheltered valleys around the perimeter.

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5 BAAQMD. 2015. *Toxic Air Contaminant Control Program Annual Report, Volume 1.* May. Website: www.baaqmd.gov/research-and-data/air-toxics/annual-report (accessed February 2019).

6 Ibid.

Two primary atmospheric outlets exist. One is through the strait known as the Golden Gate, a direct outlet to the Pacific Ocean. The second extends to the northeast, along the west delta region of the Sacramento and San Joaquin Rivers.

The City of San Jose is within the jurisdiction of the BAAQMD, which regulates air quality in the San Francisco Bay Area. Air quality conditions in the San Francisco Bay Area have improved significantly since the BAAQMD was created in 1955. Ambient concentrations of air pollutants and the number of days during which the region exceeds air quality standards have fallen dramatically. The San Francisco Bay Area attainment status is shown in Table 3, below. Neither State nor national ambient air quality standards of these chemicals have been violated in recent decades: nitrogen dioxide, sulfur dioxide, sulfates, lead, hydrogen sulfide, and vinyl chloride. Those exceedances of air quality standards that do occur primarily happen during meteorological conditions conducive to high pollution levels, such as cold, windless nights or hot, sunny summer afternoons.

Ozone levels, measured by peak concentrations and the number of days over the State 1-hour standard, have declined substantially as a result of aggressive programs by the BAAQMD and other regional, State, and federal agencies. The reduction of peak concentrations represents progress in improving public health; however, the Bay Area still exceeds the State standard for 1-hour ozone as well as the State and federal 8-hour standards. Levels of PM_{10} have exceeded State standards two of the last three years, and the area is considered a nonattainment area for this pollutant relative to the State standards. The San Francisco Bay Area is an unclassified area for the federal PM_{10} standard.

No exceedances of the State or federal CO standards have been recorded at any of the region's monitoring stations since 1991. The San Francisco Bay Area is currently considered a maintenance area for State and federal CO standards.

Local Climate and Air Quality

The City of San Jose is located within Santa Clara County. In Santa Clara County, during the summer, mostly clear skies result in warm daytime temperatures and cool nights. Winter temperatures are mild, except for very cool but generally frost-less mornings. Further inland where the moderating effect of the bay is not as strong, temperature extremes are greater. Wind patterns are influenced by local terrain, with a northwesterly sea breeze typically developing during the daytime. Winds are usually stronger in the spring and summer. Rainfall amounts are modest, ranging from 13 inches in the lowlands to 20 inches in the hills.

Most of Santa Clara County is well south of the cooler waters of the San Francisco Bay and far from the cooler marine air, which usually reaches across San Mateo County in summer. Ozone frequently forms on hot summer days when the prevailing seasonal northerly winds carry ozone precursors southward across the County, causing health standards to be exceeded. Santa Clara County experiences many exceedances of the $PM_{2.5}$ standard each winter. This is due to its high population

Table 3: San Francisco Bay Area Air Basin Attainment Status

	Averaging Time	California Standards [a]		National Standards [b]	
		Concentration	Attainment Status	Concentration [c]	Attainment Status
Ozone (O_3)	8-Hour	0.070 ppm (137µg/m^3)	Nonattainment [l]	0.070 ppm	Nonattainment [d]
	1-Hour	0.09 ppm (180 µg/m^3)	Nonattainment	Not Applicable	[e]
Carbon Monoxide (CO)	8-Hour	9.0 ppm (10 mg/m^3)	Attainment	9 ppm (10 mg/m^3)	Attainment [f]
	1-Hour	20 ppm (23 mg/m^3)	Attainment	35 ppm (40 mg/m^3)	Attainment
Nitrogen Dioxide (NO_2)	1-Hour	0.18 ppm (339 µg/m^3)	Attainment	0.100 ppm [k]	[k]
	Annual Arithmetic Mean	0.030 ppm (57 µg/m^3)	Not Applicable	0.053 ppm (100 µg/m^3)	Attainment
Sulfur Dioxide (SO_2) [l]	24-Hour	0.04 ppm (105 µg/m^3)	Attainment	0.14 ppm (365 µg/m^3)	Unclassified/ Attainment [l]
	1-Hour	0.25 ppm (655 µg/m^3)	Attainment	0.075 ppm (196 µg/m^3)	Unclassified/ Attainment [l]
	Annual Arithmetic Mean	Not Applicable	Not Applicable	0.030 ppm (80 µg/m^3)	Unclassified/ Attainment [l]
Particulate Matter (PM_{10})	Annual Arithmetic Mean	20 µg/m^3	Nonattainment [g]	Not Applicable	Not Applicable
	24-Hour	50 µg/m^3	Nonattainment	150 µg/m^3	Unclassified
Fine Particulate Matter ($PM_{2.5}$)	Annual Arithmetic Mean	12 µg/m^3	Nonattainment [g]	15 µg/m^3 [0]	Unclassified/ Attainment
	24-Hour	Not Applicable	Not Applicable	35 µg/m^3 [j]	Nonattainment
Sulfates	24-Hour	25 µg/m^3	Attainment	Not Applicable	Not Applicable
Lead (Pb) [m]	30-Day Average	1.5 µg/m^3	Not Applicable	Not Applicable	Attainment
	Calendar Quarter	Not Applicable	Not Applicable	1.5 µg/m^3	Attainment
	Rolling 3-Month Average [n]	Not Applicable	Not Applicable	0.15 µg/m^3	[n]
Hydrogen Sulfide	1-Hour	0.010 ppm (26 µg/m^3)	Unclassified	Not Applicable	Not Applicable
Vinyl Chloride (chloroethene)	24-Hour	0.010 ppm (26 µg/m^3)	No Information Available	Not Applicable	Not Applicable
Visibility Reducing Particles (VRP)	8-Hour (10:00 to 18:00 PST)	[h]	Unclassified	Not Applicable	Not Applicable

Source: Bay Area Air Quality Management District, Bay Area Attainment Status (2017).
Table notes are provided on the following page.

[a] California standards for ozone, carbon monoxide (except Lake Tahoe), sulfur dioxide (1-hour and 24-hour), nitrogen dioxide, suspended particulate matter - PM_{10}, and visibility reducing particles are values that are not to be exceeded. The standards for sulfates, Lake Tahoe carbon monoxide, lead, hydrogen sulfide, and vinyl chloride are not to be equaled or exceeded. If the standard is for a 1-hour, 8-hour or 24-hour average (i.e., all standards except for lead and the PM_{10} annual standard), then some measurements may be excluded. In particular, measurements are excluded that CARB determines would occur less than once per year on the average. The Lake Tahoe CO standard is 6.0 ppm, a level one-half the national standard and two-thirds the State standard.

[b] National standards shown are the "primary standards" designed to protect public health. National standards other than for ozone, particulates and those based on annual averages are not to be exceeded more than once a year. The 1-hour ozone standard is attained if, during the most recent 3-year period, the average number of days per year with maximum hourly concentrations above the standard is equal to or less than one. The 8-hour ozone standard is attained when the 3-year average of the 4th highest daily concentrations is 0.070 ppm (70 ppb) or less. The 24-hour PM_{10} standard is attained when the 3-year average of the 99th percentile of monitored concentrations is less than 150 $\mu g/m^3$. The 24-hour $PM_{2.5}$ standard is attained when the 3-year average of 98th percentiles is less than 35 $\mu g/m^3$.

Except for the national particulate standards, annual standards are met if the annual average falls below the standard at every site. The national annual particulate standard for PM_{10} is met if the 3-year average falls below the standard at every site. The annual $PM_{2.5}$ standard is met if the 3-year average of annual averages spatially-averaged across officially designed clusters of sites falls below the standard.

[c] National air quality standards are set by USEPA at levels determined to be protective of public health with an adequate margin of safety.

[d] On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm. An area will meet the standard if the 4th-highest maximum daily 8-hour ozone concentration per year, averaged over three years, is equal to or less than 0.070 ppm. USEPA will make recommendations on attainment designations by October 1, 2016, and issue final designations October 1, 2017. Nonattainment areas will have until 2020 to late 2037 to meet the health standard, with attainment dates varying based on the ozone level in the area.

[e] The national 1-hour ozone standard was revoked by USEPA on June 15, 2005.

[f] In April 1998, the Bay Area was redesignated to attainment for the national 8-hour carbon monoxide standard.

[g] In June 2002, CARB established new annual standards for $PM_{2.5}$ and PM_{10}.

[h] Statewide VRP Standard (except Lake Tahoe Air Basin): Particles in sufficient amount to produce an extinction coefficient of 0.23 per kilometer when the relative humidity is less than 70 percent. This standard is intended to limit the frequency and severity of visibility impairment due to regional haze and is equivalent to a 10-mile nominal visual range.

[i] The State 8-hour ozone standard was approved by CARB on April 28, 2005, and became effective on May 17, 2006.

[j] On January 9, 2013, USEPA issued a final rule to determine that the Bay Area attains the 24-hour $PM_{2.5}$ national standard. This USEPA rule suspends key SIP requirements as long as monitoring data continues to show that the Bay Area attains the standard. Despite this USEPA action, the Bay Area will continue to be designated as “non-attainment” for the national 24-hour $PM_{2.5}$ standard until such time as the Air District submits a “redesignation request” and a “maintenance plan” to USEPA, and USEPA approves the proposed redesignation.

[k] To attain this standard, the 3-year average of the 98th percentile of the daily maximum 1-hour average at each monitor within an area must not exceed 0.100 ppm (effective January 22, 2010). The USEPA was expected to make a designation for the Bay Area by the end of 2017, but has yet to issue a designation.

[l] On June 2, 2010, the USEPA established a new 1-hour SO_2 standard, effective August 23, 2010, which is based on the 3-year average of the annual 99th percentile of 1-hour daily maximum concentrations. The USEPA has initially designated the entire State as Unclassified/ Attainment for the new 1-hour SO_2 NAAQS.

[m] CARB has identified lead and vinyl chloride as ‘toxic air contaminants’ with no threshold level of exposure below which there are no adverse health effects determined.

[n] National lead standard, rolling 3-month average: final rule signed October 15, 2008. Final designations became effective on December 31, 2011.

[o] In December 2012, the USEPA strengthened the annual $PM_{2.5}$ National Ambient Air Quality Standards (NAAQS) from 15.0 to 12.0 micrograms per cubic meter ($\mu g/m^3$). In December 2014, USEPA issued final area designations for the 2012 primary annual $PM_{2.5}$ NAAQS. Areas designated “unclassifiable/attainment” must continue to take steps to prevent their air quality from deteriorating to unhealthy levels. The effective date of this standard is April 15, 2015.

CARB = California Air Resources Board
ppm = parts per million
mg/m^3 = milligrams per cubic meter
SIP = State Implementation Plan
$\mu g/m^3$ = micrograms per cubic meter
USEPA = United States Environmental Protection Agency

density, wood smoke, industrial and freeway traffic, and poor wintertime air circulation caused by extensive hills to the east and west that block wind flow into the region.[7]

Greenhouse Gas and Global Climate Change Background

Global climate change is the observed increase in the average temperature of the Earth's atmosphere and oceans in recent decades. The Earth's average near-surface atmospheric temperature rose 0.6 ± 0.2° Celsius (°C) or 1.1 ± 0.4° Fahrenheit (°F) in the 20th century. The prevailing scientific opinion on climate change is that most of the warming observed over the last 50 years is attributable to human activities. The increased amounts of carbon dioxide and other GHGs are the primary causes of the human-induced component of warming. GHGs are released by the burning of fossil fuels, land clearing, agriculture, and other activities that lead to an increase in the greenhouse effect.[8]

GHGs are present in the atmosphere naturally, are released by natural sources, or are formed from secondary reactions taking place in the atmosphere. The gases that are widely seen as the principal contributors to human-induced global climate change are:

- Carbon dioxide (CO_2)
- Methane (CH_4)
- Nitrous oxide (N_2O)
- Hydrofluorocarbons (HFCs)
- Perfluorocarbons (PFCs)
- Sulfur Hexafluoride (SF_6)

Over the last 200 years, humans have caused substantial quantities of GHGs to be released into the atmosphere. These extra emissions are increasing GHG concentrations in the atmosphere, and enhancing the natural greenhouse effect, which is believed to be causing global warming. While manmade GHGs include naturally occurring GHGs such as CO_2, CH_4, and N_2O, some gases, like HFCs, PFCs, and SF_6, are completely new to the atmosphere.

Certain gases, such as water vapor, are short-lived in the atmosphere. Others remain in the atmosphere for significant periods of time, contributing to climate change in the long term. Water vapor is excluded from the list of GHGs above because it is short-lived in the atmosphere and its atmospheric concentrations are largely determined by natural processes, such as oceanic evaporation. For the purposes of this air quality analysis, the term "GHGs" will refer collectively to the six gases listed above only.

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7 Bay Area Air Quality Management District. 2019. *Climate and Air Quality in Santa Clara County.* February.

8 The temperature on Earth is regulated by a system commonly known as the "greenhouse effect." Just as the glass in a greenhouse allows heat from sunlight in and reduces the heat escaping, greenhouse gases like carbon dioxide, methane, and nitrous oxide in the atmosphere keep the Earth at a relatively even temperature. Without the greenhouse effect, the Earth would be a frozen globe; thus, although an excess of greenhouse gas results in global warming, the naturally occurring greenhouse effect is necessary to keep our planet at a comfortable temperature.

These gases vary considerably in terms of Global Warming Potential (GWP), which is a concept developed to compare the ability of each GHG to trap heat in the atmosphere relative to another gas. The GWP is based on several factors, including the relative effectiveness of a gas to absorb infrared radiation and length of time that the gas remains in the atmosphere ("atmospheric lifetime"). The GWP of each gas is measured relative to CO_2, the most abundant GHG. The definition of GWP for a particular GHG is the ratio of heat trapped by one unit mass of the GHG to the ratio of heat trapped by one unit mass of CO_2 over a specified time period. GHG emissions are typically measured in terms of pounds or tons of "CO_2 equivalents" (CO_2e).

REGULATORY FRAMEWORK

Air quality standards and the regulatory framework are discussed below.

United States Environmental Protection Agency

At the federal level, the USEPA has been charged with implementing national air quality programs. USEPA air quality mandates are drawn primarily from the Federal Clean Air Act (FCAA), which was enacted in 1963. The FCAA was amended in 1970, 1977, and 1990.

The FCAA required the USEPA to establish primary and secondary National Ambient Air Quality Standards (NAAQS) and required each state to prepare an air quality control plan referred to as a State Implementation Plan (SIP). The FCAA Amendments of 1990 added requirements for states with nonattainment areas to revise their SIPs to incorporate additional control measures to reduce air pollution. The SIP is periodically modified to reflect the latest emissions inventories, planning documents, and rules and regulations of the air basins as reported by their jurisdictional agencies. The USEPA has the responsibility to review all state SIPs to determine conformity with the mandates of the FCAA and determine if implementation will achieve air quality goals. If the USEPA determines a SIP to be inadequate, a Federal Implementation Plan (FIP) may be prepared for the nonattainment area, which imposes additional control measures. Failure to submit an approvable SIP or to implement the plan within the mandated timeframe may result in sanctions on transportation funding and stationary air pollution sources in the air basin.

The USEPA is also required to develop National Emission Standards for Hazardous Air Pollutants, which are defined as those which may reasonably be anticipated to result in increased deaths or serious illness and which are not already regulated. An independent science advisory board reviews the health and exposure analyses conducted by the USEPA on suspected hazardous pollutants prior to regulatory development.

California Air Resources Board

CARB is the agency responsible for the coordination and oversight of State and local air pollution control programs in California and for implementing the California Clean Air Act (CCAA), adopted in 1988. The CCAA requires that all air quality districts in the State achieve and maintain the California Ambient Air Quality Standards (CAAQS) by the earliest practical date. The CCAA specifies that districts should focus on reducing the emissions from transportation and air-wide emission sources, and provides districts with the authority to regulate indirect sources.

CARB is also primarily responsible for developing and implementing air pollution control plans to achieve and maintain the NAAQS. CARB is primarily responsible for Statewide pollution sources and produces a major part of the SIP. Local air quality districts provide additional strategies for sources under their jurisdiction. CARB combines this data and submits the completed SIP to the USEPA.

Other CARB duties include monitoring air quality (in conjunction with air monitoring networks maintained by air pollution control and air quality management districts), establishing CAAQS (which are more stringent than the NAAQS), determining and updating area designations and maps, and setting emissions standards for mobile sources, consumer products, small utility engines, and off-road vehicles. CARB's Diesel Risk Reduction Plan[9] is intended to substantially reduce diesel particulate matter emissions and associated health risks through introduction of ultra-low-sulfur diesel fuel – a step already implemented – and cleaner-burning diesel engines.

Because of the robust evidence relating proximity to roadways and a range of non-cancer and cancer health effects, CARB also created guidance for avoiding air quality conflicts in land use planning in its *Air Quality and Land Use Handbook: A Community Health Perspective*.[10] In its guidance, CARB advises that new sensitive uses (e.g., residences, schools, day care centers, playgrounds, and hospitals) not be located within 500 feet (ft) of a freeway or urban roads carrying 100,000 vehicles per day, or within 1,000 ft of a distribution center (warehouse) that accommodates more than 100 trucks or more than 90 refrigerator trucks per day.

CARB guidance suggests that the use of these guidelines be customized for individual land use decisions, and take into account the context of development projects. The Air Quality and Land Use Handbook specifically states that these recommendations are advisory and acknowledges that land use agencies must balance other considerations, including housing and transportation needs, economic development priorities, and other quality of life issues.

Bay Area Air Quality Management District

The BAAQMD seeks to attain and maintain air quality conditions in the San Francisco Bay Area Air Basin through a comprehensive program of planning, regulation, enforcement, technical innovation, and education. The clean air strategy includes the preparation of plans for the attainment of ambient air quality standards, adoption and enforcement of rules and regulations, and issuance of permits for stationary sources. The BAAQMD also inspects stationary sources and responds to citizen complaints, monitors ambient air quality and meteorological conditions, and implements programs and regulations required by law.

BAAQMD Regulation 7 places general limitations on odorous substances and specific emission limitations on certain odorous compounds.[11] This regulation limits the "discharge of any odorous

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9 CARB. 2000. *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles*. October. Prepared by the Stationary Source Division and Mobile Source Control Division. Website: www.arb.ca.gov/diesel/documents/rrpFinal.pdf (accessed January 2019).

10 California Environmental Protection Agency and California Air Resources Board. 2005. *Air Quality and Land Use Handbook: A Community Health Perspective*. April. Website: www.arb.ca.gov/ch/handbook.pdf (accessed January 2019).

11 BAAQMD. 1982. *Rules and Regulations, Regulation 7: Odorous Substances.* March.

substance which causes the ambient air at or beyond the property line…to be odorous and to remain odorous after dilution with four parts of odor-free air." The BAAQMD must receive odor complaints from ten or more complainants within a 90-day period in order for the limitations of this regulation to go into effect. If this criterion has been met, an odor violation can be issued by the BAAQMD if a test panel of people can detect an odor in samples collected periodically from the source.

Clean Air Plan

The Clean Air Plan[12] guides the region's air quality planning efforts to attain the CAAQS. The BAAQMD 2017 Clean Air Plan, which was adopted on April 19, 2017, by the BAAQMD Board of Directors, is the current Clean Air Plan, which contains district-wide control measures to reduce ozone precursor emissions (i.e., ROG and NO_x), particulate matter, and GHG emissions.

The Bay Area 2017 Clean Air Plan:

- Describes the BAAQMD's plan towards attaining all State and federal air quality standards and eliminating health risk disparities from exposure to air pollution among Bay Area communities;
- Defines a vision for transitioning the region to a post-carbon economy needed to achieve ambitious GHG reduction targets for 2030 and 2050;
- Provides a regional climate protection strategy that will put the Bay Area on a pathway to achieve GHG reduction targets; and
- Includes a wide range of control measures designed to decrease emissions of air pollutants that are most harmful to Bay Area residents, such as particulate matter, ozone, and toxic air contaminants; to reduce emissions of methane and other "Super-GHGs" that are potent climate pollutants in the near term; and to decrease emissions of carbon dioxide by reducing fossil fuel combustion.

BAAQMD CARE Program

The Community Air Risk Evaluation (CARE) program was initiated in 2004 to evaluate and reduce health risks associated with exposures to outdoor TACs in the Bay Area. The program examines TAC emissions from point sources, area sources, and on-road and off-road mobile sources with an emphasis on diesel exhaust, which is a major contributor to airborne health risk in California. The CARE program is an on-going program that encourages community involvement and input. The technical analysis portion of the CARE program is being implemented in three phases that include an assessment of the sources of TAC emissions, modeling and measurement programs to estimate concentrations of TACs, and an assessment of exposures and health risks. Throughout the program, information derived from the technical analyses will be used to focus emission reduction measures in areas with high TAC exposures and a high density of sensitive populations. Risk reduction

[12] BAAQMD. 2017. *Final 2017 Clean Air Plan*. April 19. Website: www.baaqmd.gov/~/media/files/planning-and-research/plans/2017-clean-air-plan/attachment-a_-proposed-final-cap-vol-1-pdf.pdf?la=en (accessed January 2019).

activities associated with the CARE program are focused on the most at-risk communities in the Bay Area.

For commercial and industrial sources, the BAAQMD regulates TACs using a risk-based approach. This approach uses a health risk assessment (HRA) to determine what sources and pollutants to control as well as the degree of control. An HRA is an analysis in which human health exposure to toxic substances is estimated and considered together with information regarding the toxic potency of the substances, in order to provide a quantitative estimate of health risks.[13] As part of ongoing efforts to identify and assess potential health risks to the public, the BAAQMD has collected and compiled air toxics emissions data from industrial and commercial sources of air pollution throughout the Bay Area. The BAAQMD has identified seven impacted communities, including portions of Santa Clara County; areas of San Jose and the Project site, have been identified as an affected community.

BAAQMD CEQA Air Quality Guidelines

The BAAQMD *CEQA Air Quality Guidelines* were prepared to assist in the evaluation of air quality impacts of projects and plans proposed within the Bay Area. The guidelines provide recommended procedures for evaluating potential air impacts during the environmental review process, consistent with CEQA requirements, and include recommended thresholds of significance, mitigation measures, and background air quality information. They also include recommended assessment methodologies for air toxics, odors, and GHG emissions.

In June 2010, BAAQMD adopted updated draft *CEQA Air Quality Guidelines* and finalized them in May 2011. These guidelines superseded previously adopted agency air quality guidelines of 1999 and were intended to advise lead agencies on how to evaluate potential air quality impacts.

In May 2017, the BAAQMD published an updated version of the *CEQA Air Quality Guidelines*. The 2017 *CEQA Air Quality Guidelines* include thresholds to evaluate project impacts in order to protectively evaluate the potential effects of the project on air quality. These protective thresholds are appropriate in the context of the size, scale, and location of the project.

City of San Jose

General Plan

Various policies in the Envision San Jose 2040 General Plan have been adopted that would avoid or mitigate air quality impacts from development projects. In Chapter 3, Environmental Leadership, the City's General Plan has the following goals and policies related to the proposed Project that would reduce air quality impacts:

[13] In general, a health risk assessment is required if the BAAQMD concludes that projected emissions of a specific air toxic compound from a proposed new or modified source suggests a potential public health risk. Such an assessment generally evaluates chronic, long-term effects, including the increased risk of cancer as a result of exposure to one or more TACs.

- **Policy MS-10.1:** Assess projected air emissions from new development in conformance with the Bay Area Air Quality Management District (BAAQMD) CEQA Guidelines and relative to State and federal standards. Identify and implement feasible air emission reduction measures.

- **Policy MS-10.2:** Consider the cumulative air quality impacts from proposed developments for proposed land use designation changes and new development, consistent with the region's Clean Air Plan and State law.

- **Policy MS-10.4:** Encourage effective regulation of mobile and stationary sources of air pollution, both inside and outside of San Jose. In particular, support federal and State regulations to improve automobile emission controls.

- **Policy MS-10.7:** Encourage regional and Statewide air pollutant emission reduction through energy conservation to improve air quality.

- **Policy MS-11.1:** Require completion of air quality modeling for sensitive land uses such as new residential developments that are located near sources of pollution such as freeways and industrial uses. Require new residential development projects and projects categorized as sensitive receptors to incorporate effective mitigation into project designs or be located an adequate distance from sources of toxic air contaminants (TACs) to avoid significant risks to health and safety.

- **Policy MS-11.5:** Encourage the use of pollution absorbing trees and vegetation in buffer areas between substantial sources of TACs and sensitive land uses.

- **Policy MS-13.1:** Include dust, particulate matter, and construction equipment exhaust control measures as conditions of approval for subdivision maps, site development and planned development permits, grading permits, and demolition permits. At minimum, conditions shall conform to construction mitigation measures recommended in the current BAAQMD CEQA Guidelines for the relevant project size and type.

In addition, the General Plan includes strategies, policies, and action items that are incorporated in the City's GHG Reduction Strategy to help reduce GHG emissions. Multiple policies and actions in the General Plan have GHG implications, including land use, housing, transportation, water usage, solid waste generation and recycling, and reuse of historic buildings. The GHG Reduction Strategy is intended to meet the mandates as outlined in the *CEQA Air Quality Guidelines* and standards for "qualified plans" as set forth by BAAQMD.

On December 15, 2015, the San Jose City Council certified a Supplemental Program Environmental Impact Report to the Envision San Jose 2040 Final Program Environmental Impact Report and re-adopted the City's GHG Reduction Strategy in the General Plan. Projects that conform to the General Plan Land Use/Transportation Diagram and supporting policies are considered consistent with the City's GHG Reduction Strategy. The GHG Reduction Strategy identifies GHG emissions reduction measures to be implemented by development projects in three categories: built environment and energy, land use and transportation, and recycling and waste reduction. Some measures are mandatory for all proposed development projects and others are voluntary. Voluntary

measures could be incorporated as mitigation measures for proposed projects, at the City's discretion.

Municipal Code

In addition to the goals and policies of the General Plan, the proposed Project would also be subject to the City's Grading Ordinance, Chapter 17.04.280 of the Municipal Code, which requires that all earth moving activities control fugitive dust through steps such as regular watering of the ground surface, cleaning of nearby streets, and planting any areas left vacant for extensive periods of time.

METHODOLOGY

Construction Emissions

Construction activities can generate a substantial amount of air pollution. Construction activities are considered temporary; however, short-term impacts can contribute to exceedances of air quality standards. Construction activities include site preparation, earthmoving, and general construction. The emissions generated from these common construction activities include fugitive dust from soil disturbance, fuel combustion from mobile heavy-duty diesel and gasoline powered equipment, portable auxiliary equipment, and worker commute trips. The California Emission Estimator Model version 2016.3.2 (CalEEMod) computer program was used to calculate emissions from on-site construction equipment and emissions from worker and vehicle trips to the site.

Operational Emissions

The air quality analysis includes estimating emissions associated with long-term operation of the Project. Indirect emissions of criteria pollutants with regional impacts would be emitted by Project-generated vehicle trips. In addition, localized air quality impacts (i.e., higher carbon monoxide concentrations or "hot spots") near intersections or roadway segments in the Project vicinity would also potentially occur due to Project-generated vehicle trips.

Consistent with the BAAQMD guidance for estimating emissions associated with land use development projects, the CalEEMod computer program was used to calculate the long-term operational emissions associated with the Project.

Greenhouse Gas Emissions

GHG emissions associated with the Project would occur over the short-term from construction activities, consisting primarily of emissions from equipment exhaust. There would also be long-term GHG emissions associated with Project-related vehicular trips. The City of San Jose's GHG Reduction Strategy meets the BAAQMD requirements for a Qualified Greenhouse Gas Reduction Strategy; therefore, the proposed Project was evaluated for consistency with the City's GHG Reduction Strategy.

THRESHOLDS OF SIGNIFICANCE

The *State CEQA Guidelines* indicate that a project would normally have a significant adverse air quality impact if project-generated pollutant emissions 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 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 BAAQMD has further defined these criteria of significance to indicate a project would result in a significant air quality impact if it would:

- Violate the Bay Area Air Quality Management District's air quality standards or contribute substantially to an existing or projected air quality violation by:
    - Generating average daily criteria air pollutant emissions of ROG, NO_x or $PM_{2.5}$ exhaust emissions in excess of 54 pounds per day or PM_{10} exhaust emissions of 82 pounds per day during project construction;
    - For project operations, generating average daily criteria air pollutant emissions of ROG, NO_x, or $PM_{2.5}$ in excess of 54 pounds per day, or maximum annual emissions of 10 tons per year. For emissions of PM_{10}, generating average daily emissions of 82 pounds per day or 15 tons per year; or
    - Contributing to CO concentrations exceeding the State ambient air quality standards of 9 ppm averaged over 8 hours and 20 ppm for 1-hour for project operations.
- Expose sensitive receptors (including residential areas) or the general public to toxic air contaminants in excess of the following thresholds:
    - An excess cancer risk level of more than 10 in one million, or non-cancer (i.e., chronic or acute) risk greater than 1.0 hazard index from a single source;
    - An incremental increase of greater than 0.3 $\mu g/m^3$ annual average $PM_{2.5}$ from a single source;
    - An excess cancer risk level of more than 100 in one million, or non-cancer risk greater than 100 in one million from all sources; or
    - An incremental increase of greater than 0.8 $\mu g/m^3$ annual average $PM_{2.5}$ from all sources.

It should be noted that the emission thresholds were established based on the attainment status of the air basin in regard to air quality standards for specific criteria pollutants. Because the concentration standards were set at a level that protects public health with an adequate margin of safety, these emission thresholds are regarded as conservative and would overstate an individual project's contribution to health risks.

The *State CEQA Guidelines* indicate that a project would normally have a significant adverse greenhouse gas emission impact if the project would:

- Generate greenhouse gas 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 reduction the emissions of greenhouse gases.

Section 15064.4 of the *State CEQA Guidelines* states that: "A lead agency should make a good-faith effort, based to the extent possible on scientific and factual data, to describe, calculate or estimate the amount of greenhouse gas emissions resulting from a project." In performing that analysis, the lead agency has discretion to determine whether to use a model or methodology to quantify greenhouse gas emissions, or to rely on a qualitative analysis or performance-based standards. In making a determination as to the significance of potential impacts, the lead agency then considers the extent to which the project may increase or reduce greenhouse gas emissions as compared to the existing environmental setting, whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project, and the extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of greenhouse gas emissions.

According to the BAAQMD *CEQA Air Quality Guidelines* (2017), if a project is consistent with an adopted qualified Greenhouse Gas Reduction Strategy that meets the standards, it can be presumed that the project would not have significant greenhouse gas emission impacts. This approach is consistent with the *State CEQA Guidelines,* Section 15183.5, and will be used in this analysis.

The City of San Jose's GHG Reduction Strategy meets the BAAQMD requirements for a Qualified Greenhouse Gas Reduction Strategy. Therefore, the proposed Project's GHG emissions would not be considered a significant impact if the proposed Project would be consistent with the City's GHG Reduction Strategy.

IMPACTS AND MITIGATION MEASURES

The proposed Project would release emissions over the short term as a result of construction activities, and over the long term from traffic generation and operation of the Project. Emissions would include criteria air pollutants and GHG emissions. The sections below describe the proposed Project's consistency with applicable air quality plans, estimated Project emissions, and the significance of impacts with respect to BAAQMD thresholds.

Air Quality Impacts

The following sections describe the proposed Project's construction- and operation-related air quality impacts and CO impacts.

Consistency with Applicable Air Quality Plans

The applicable air quality plan is the BAAQMD 2017 Clean Air Plan (Clean Air Plan),[14] which was adopted on April 19, 2017. The Clean Air Plan is a comprehensive plan to improve Bay Area air quality and protect public health. The Clean Air Plan defines control strategies to reduce emissions and ambient concentrations of air pollutants; safeguard public health by reducing exposure to air pollutants that pose the greatest heath risk, with an emphasis on protecting the communities most heavily affected by air pollution; and reduce GHG emissions to protect the climate. Consistency with the Clean Air Plan can be determined if the Project: (1) supports the goals of the Clean Air Plan; (2) includes applicable control measures from the Clean Air Plan; and (3) would not disrupt or hinder implementation of any control measures from the Clean Air Plan.

Clean Air Plan Goals. The primary goals of the Bay Area Clean Air Plan are to: attain air quality standards; reduce population exposure and protect public health in the Bay Area; and reduce GHG emissions and protect climate.

The BAAQMD has established significance thresholds for project construction and operational impacts at a level at which the cumulative impact of exceeding these thresholds would have an adverse impact on the region's attainment of air quality standards. The health and hazards thresholds were established to help protect public health. As discussed below, with implementation of Mitigation Measure AIR-1, the proposed Project would result in less than significant construction- and operation-period emissions. Therefore, the Project would not conflict with the Clean Air Plan goals.

Clean Air Plan Control Measures. The control strategies of the Clean Air Plan include measures in the following categories: Stationary Source Measures, Transportation Measures, Energy Measures, Building Measures, Agriculture Measures, Natural and Working Lands Measures, Waste Management Measures, Water Measures, and Super-GHG Pollutants Measures.

Stationary Source Control Measures. The stationary source measures, which are designed to reduce emissions from stationary sources such as metal melting facilities, cement kilns, refineries, and glass furnaces, are incorporated into rules adopted by the BAAQMD and then enforced by the BAAQMD's Permit and Inspection programs. Since the Project would not include any stationary sources, the Stationary Source Control Measures of the Clean Air Plan are not applicable to the Project.

Transportation Control Measures. The BAAQMD identifies transportation measures as part of the Clean Air Plan to decrease emissions of criteria pollutants, TACs, and GHGs by reducing demand for motor vehicle travel, promoting efficient vehicles and transit service, decarbonizing transportation fuels, and electrifying motor vehicles and equipment. The Project site is located in close proximity to a mix of existing uses, including residential, industrial, and commercial uses and would be readily accessible to pedestrians, bicyclists, and transit users. Regional access to the Project site is provided via SR-87 and SR-82. SR-87 travels north-south and is approximately 1.0 mile west of the Project site. In addition, the existing transit system provides transit stops

[14] BAAQMD. 2017. Clean Air Plan. April 19.

within a 0.5-mile buffer of the Project site and is serviced through the Santa Clara Valley Transportation Authority. All routes connect residential land uses with employment opportunities. In addition, the proposed Project would provide bicycling parking spaces, which would promote the BAAQMD's initiatives to reduce vehicle trips and vehicle miles traveled and would increase the use of alternate means of transportation. Therefore, the Project would not hinder the BAAQMD's initiatives to reduce vehicle trips and vehicle miles traveled.

Energy Control Measures. The Clean Air Plan also includes Energy Control Measures, which are designed to reduce emissions of criteria air pollutants, TACs, and GHGs by decreasing the amount of electricity consumed in the Bay Area, as well as decreasing the carbon intensity of the electricity used by switching to less GHG-intensive fuel sources for electricity generation. Since these measures apply to electrical utility providers and local government agencies (and not individual projects), the energy control measures of the Clean Air Plan are not applicable to the Project.

Building Control Measures. The BAAQMD has authority to regulate emissions from certain sources in buildings such as boilers and water heaters, but has limited authority to regulate buildings themselves. Therefore, the strategies in the control measures for this sector focus on working with local governments that do have authority over local building codes, to facilitate adoption of best GHG control practices and policies. The proposed Project would be required to comply with the latest California Green Building Standards Code. Therefore, the proposed Project would not conflict with the Building Control Measures.

Agriculture Control Measures. The agriculture measures are designed to primarily reduce emissions of methane. Since the Project does not include any agricultural activities, the Agriculture Control Measures of the Clean Air Plan are not applicable to the Project.

Natural and Working Lands Control Measures. The natural and working lands measures focus on increasing carbon sequestration on rangelands and wetlands, as well as encouraging local governments to ordinances that promote urban-tree plantings. Since the Project does not include the disturbance of any rangelands or wetlands, the Natural and Working Lands Control Measures of the Clean Air Plan are not applicable to the Project.

Waste Management Control Measures. The waste management measures focus on reducing or capturing methane emissions from landfills and composting facilities, diverting organic materials away from landfills, and increasing waste diversion rates through efforts to reduce, reuse, and recycle. The Project would comply with local requirements for waste management (e.g., recycling and composting services). Therefore, the Project would be consistent with the Waste Management Control Measures of the Clean Air Plan.

Water Control Measures. The water measures focus on reducing emissions of criteria pollutants, TACs, and GHGs by encouraging water conservation, limiting GHG emissions from publicly owned treatment works (POTWs), and promoting the use of biogas recovery systems. Since these measures apply to POTWs and local government agencies (and not individual projects), the Water Control Measures are not applicable to the Project.

Super GHG Control Measures. The Super-GHG measures are designed to facilitate the adoption of best GHG control practices and policies through the BAAQMD and local government agencies. Since these measures do not apply to individual projects, the Super-GHG Control Measures are not applicable to the Project.

Clean Air Plan Implementation. As discussed above, implementation of the proposed Project would generally implement the applicable measures outlined in the Clean Air Plan, including Transportation Control Measures. Therefore, the Project would not disrupt or hinder implementation of a control measure from the Clean Air Plan.

The Clean Air Plan builds on many other plans, policies, and programs, including plans developed and implemented by other agencies, such as local general plans. Therefore, since the Clean Air Plan is based on local general plans, projects that are deemed consistent with the applicable general plan are usually found to be consistent with the air quality plans. The Project site is currently designated as Combined Industrial/Commercial (CIC) on the City's General Plan Land Use Map. The CIC designation is intended to be flexible to allow for a varied mix of compatible uses, including commercial, office, and industrial uses, as well as hospitals and private community gathering facilities. In addition, the Project site is zoned Light Industrial (LI), which allows for a wide variety of non-hazardous industrial uses. Typical uses in the LI zone include warehousing, wholesaling, light manufacturing, and complementary service establishments that serve employees of businesses located in industrial areas. The LI zone conforms to the City's General Plan designation of CIC and allows for self-storage uses. Therefore, the proposed Project would be consistent with the City's General Plan designations.

In addition, as discussed below, construction of the Project would not result in the generation of criteria air pollutants that would exceed BAAQMD thresholds of significance. Implementation of Mitigation Measure AIR-1 would further reduce construction dust impacts. Operational emissions associated with the Project would also not exceed BAAQMD established significance thresholds. Therefore, the Project would not conflict with or obstruct implementation of applicable air quality plans.

Construction Emissions

During construction, short-term degradation of air quality may occur due to the release of particulate emissions generated by demolition, grading, paving, building, and other activities. Emissions from construction equipment are also anticipated and would include CO, NO_x, ROG, directly emitted particulate matter ($PM_{2.5}$ and PM_{10}), and TACs such as diesel exhaust particulate matter.

Project construction activities would include demolition, grading, paving, and building activities. Construction-related effects on air quality from the proposed Project would be greatest during the site preparation phase due to the disturbance of soils. If not properly controlled, these activities would temporarily generate particulate emissions. Sources of fugitive dust would include disturbed soils at the construction site. Unless properly controlled, vehicles leaving the site would deposit dirt and mud on local streets, which could be an additional source of airborne dust after it dries. PM_{10} emissions would vary from day to day, depending on the nature and magnitude of construction activity and local weather conditions. PM_{10} emissions would depend on soil moisture, silt content of

soil, wind speed, and the amount of operating equipment. Larger dust particles would settle near the source, while fine particles would be dispersed over greater distances from the construction site.

Water or other soil stabilizers can be used to control dust, resulting in emission reductions of 50 percent or more. The BAAQMD has established standard measures for reducing fugitive dust emissions (PM_{10}). With the implementation of these Basic Construction Mitigation Measures, fugitive dust emissions from construction activities would not result in adverse air quality impacts.

In addition to dust-related PM_{10} emissions, heavy trucks and construction equipment powered by gasoline and diesel engines would generate CO, SO_2, NO_x, volatile organic compounds (VOCs) and some soot particulate ($PM_{2.5}$ and PM_{10}) in exhaust emissions. If construction activities were to increase traffic congestion in the area, CO and other emissions from traffic would increase slightly while those vehicles idle in traffic. These emissions would be temporary in nature and limited to the immediate area surrounding the construction site.

Construction emissions were estimated for the Project using CalEEMod, consistent with BAAQMD recommendations. Construction of the proposed Project is anticipated to occur over the course of 24 months. Construction would occur in two 12-month phases. Phase I construction is estimated to begin in April 2020 and would open in April 2021. Phase II construction is estimated to begin in October 2022 and would open in October 2023.

As previously stated, approximately 20 to 30 workers would be on the Project site on a typical day during Project construction. Construction would take place between the hours of 7:00 a.m. and 5:00 p.m., Monday through Friday, and between 8:00 a.m. and 5:00 p.m. on Saturdays. Contractors would utilize carpooling to the maximum extent possible during the construction phase of the Project. Hauling/deliveries to and from the construction site would amount to approximately two to six trips per day, between the hours of 7:00 a.m. and 5:00 p.m.

Construction of Phase I would include the demolition of 34,457 sf of existing buildings and would require the import of approximately 500 cy of soil. In addition, construction of Phase II would include the demolition of 31,081 sf of existing buildings and would require the import of approximately 575 cy of soil, which were included as inputs to CalEEMod. Construction-related emissions are presented in Table 4, below. CalEEMod output sheets are provided in Attachment A.

Table 4: Project Construction Emissions (in Pounds Per Day)

Project Construction	ROG	NO_x	Exhaust PM_{10}	Fugitive Dust PM_{10}	Exhaust $PM_{2.5}$	Fugitive Dust $PM_{2.5}$
Phase I Average Daily Emissions	5.7	5.0	0.2	0.6	0.2	0.2
Phase II Average Daily Emissions	5.7	4.3	0.2	0.6	0.2	0.2
Maximum Average Daily Emissions	5.7	5.0	0.2	0.6	0.2	0.2
BAAQMD Thresholds	**54.0**	**54.0**	**54.0**	**BMPs**	**82.0**	**BMPs**
Exceed Threshold?	**No**	**No**	**No**	**No**	**No**	**No**

Source: LSA (January 2019).
BAAQMD = Bay Area Air Quality Management District
BMPs = best management practices
NO_x = nitrogen oxides
PM_{10} = particulate matter less than 10 microns in size
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
ROG = reactive organic gases

As shown in Table 4, construction emissions associated with the Project would not exceed the BAAQMD's thresholds for ROG, NO_x, exhaust $PM_{2.5}$, and exhaust PM_{10} emissions. The BAAQMD requires the implementation of the BAAQMD's Basic Construction Mitigation Measures to reduce construction fugitive dust impacts to a less than significant level as follows:

Mitigation Measure AIR-1 In order to meet the Bay Area Air Quality Management District (BAAQMD) fugitive dust threshold, the following BAAQMD Basic Construction Mitigation Measures shall be implemented:

- All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be watered two times per day.
- All haul trucks transporting soil, sand, or other loose material off-site shall be covered.
- All visible mud or dirt tracked-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.
- All vehicle speeds on unpaved roads shall be limited to 15 miles per hour (mph).
- 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.
- 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 the California Code of Regulations [CCR]). Clear signage shall be provided for construction workers at all access points.
- All construction equipment shall be maintained and properly tuned in accordance with manufacturers' specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation.
- A publicly visible sign shall be posted with the telephone number and person to contact at the City of San Jose regarding dust complaints. This person shall respond and take corrective action within 48 hours. The BAAQMD phone number shall also be visible to ensure compliance with applicable regulations.

Long-Term Operational Emissions

Long-term air pollutant emission impacts are those associated with area sources and mobile sources related to the proposed Project. In addition to the short-term construction emissions, the Project would also generate long-term air pollutant emissions, such as those associated with changes in permanent uses of the Project site. These long-term emissions are primarily mobile source emissions that would result from vehicle trips associated with the proposed Project. Area sources, such as landscape equipment would also result in pollutant emissions.

PM_{10} emissions result from running exhaust, tire and brake wear, and the entrainment of dust into the atmosphere from vehicles traveling on paved roadways. Entrainment of PM_{10} occurs when vehicle tires pulverize small rocks and pavement and the vehicle wakes generate airborne dust. The contribution of tire and brake wear is small compared to the other PM emission processes. Gasoline-powered engines have small rates of particulate matter emissions compared with diesel-powered vehicles.

Energy source emissions result from activities in buildings for which electricity and natural gas are used. The quantity of emissions is the product of usage intensity (i.e., the amount of electricity or natural gas) and the emission factor of the fuel source. Major sources of energy demand for the proposed Project could include building mechanical systems, such as heating and air conditioning and lighting. Greater building or appliance efficiency reduces the amount of energy for a given activity and thus lowers the resultant emissions. The emission factor is determined by the fuel source, with cleaner energy sources, like renewable energy, producing fewer emissions than conventional sources. Area source emissions associated with the Project would include emissions from the use of landscaping equipment.

Emission estimates for operation of the Project were calculated using CalEEMod. Model results are shown in Table 5, below. Trip generation rates for the Project were based on the Project's trip generation estimates, which determine that the proposed Project would generate approximately 443 net new average daily trips, with approximately 30 trips occurring in the AM peak hour and approximately 50 trips occurring in the PM peak hour. Phase I and Phase II would each include the construction of 179,616 sf of storage facility; therefore, this analysis assumes that each phase would generate 221.5 average daily trips.

The primary emissions associated with the Project are regional in nature, meaning that air pollutants are rapidly dispersed on release or, in the case of vehicle emissions associated with the Project, emissions are released in other areas of the San Francisco Bay Area Air Basin. The daily emissions associated with Project operational trip generation, energy, and area sources are identified in Table 5 for ROG, NO_x, PM_{10}, and $PM_{2.5}$. The results shown in Table 5 indicate the Project would not exceed the significance criteria for daily ROG, NO_2, PM_{10} or $PM_{2.5}$ emissions; therefore, the proposed Project would not have a significant effect on regional air quality and mitigation would not be required.

Table 5: Project Operational Emissions

	ROG	NO_x	PM_{10}	$PM_{2.5}$
Pounds Per Day				
Phase I Area Source Emissions	4.4	0.0	0.0	0.0
Phase I Energy Source Emissions	0.1	1.3	0.1	0.1
Phase I Mobile Source Emissions	0.4	1.8	1.4	0.4
Total Phase I Emissions	**4.9**	**3.1**	**1.5**	**0.5**
Phase II Area Source Emissions	4.4	0.0	0.0	0.0
Phase II Energy Source Emissions	0.1	1.3	0.1	0.1
Phase II Mobile Source Emissions	0.3	1.4	1.4	0.4
Total Phase II Emissions	**4.8**	**2.7**	**1.5**	**0.5**
Total Project Emissions	**9.7**	**5.8**	**3.0**	**1.0**
BAAQMD Thresholds	54.0	54.0	82.0	54.0
Exceed Threshold?	**No**	**No**	**No**	**No**
Tons Per Year				
Phase I Area Source Emissions	0.8	0.0	0.0	0.0
Phase I Energy Source Emissions	0.0	0.2	0.0	0.0
Phase I Mobile Source Emissions	0.1	0.3	0.2	0.1
Total Phase I Emissions	**0.9**	**0.5**	**0.2**	**0.1**
Phase II Area Source Emissions	0.8	0.0	0.0	0.0
Phase II Energy Source Emissions	0.0	0.2	0.0	0.0
Phase II Mobile Source Emissions	0.1	0.3	0.2	0.1
Total Phase II Emissions	**0.9**	**0.5**	**0.2**	**0.1**
Total Project Emissions	**1.8**	**1.0**	**0.4**	**0.2**
BAAQMD Thresholds	10.0	10.0	15.0	10.0
Exceed Threshold?	**No**	**No**	**No**	**No**

Source: LSA (January 2019).
BAAQMD = Bay Area Air Quality Management District
NO_X = nitrogen oxides
PM_{10} = particulate matter less than 10 microns in size
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
ROG = reactive organic gases

Localized CO Impacts

The BAAQMD has established a screening methodology that provides a conservative indication of whether the implementation of a proposed project would result in significant CO emissions. According to the BAAQMD *CEQA Air Quality Guidelines* (2017), a proposed project would result in a less than significant impact to localized CO concentrations if the following screening criteria are met:

- The project is consistent with an applicable congestion management program established by the county congestion management agency for designated roads or highways, and the regional transportation plan and local congestion management agency plans;

- Project traffic would not increase traffic volumes at affected intersections to more than 44,000 vehicles per hour; and

- The project would not increase traffic volumes at affected intersections to more than 24,000 vehicles per hour where vertical and/or horizontal mixing is substantially limited (e.g., tunnel, parking garage, bridge underpass, natural or urban street canyon, or below-grade roadway).

The proposed Project would not conflict with standards established by the Santa Clara Valley Transportation Authority for designated roads and highways, a regional transportation plan, or other agency plans. The Project site is not located in an area where vertical or horizontal mixing of air is substantially limited. As identified above, the proposed Project would generate approximately 443 net new average daily trips, with approximately 30 trips occurring in the AM peak hour and approximately 50 trips occurring in the PM peak hour. Therefore, the Project's contribution to peak hour traffic volumes at intersections in the vicinity of the Project site would be well below 44,000 vehicles per hour. Therefore, the proposed Project would not result in localized CO concentrations that exceed State or federal standards.

Cumulative Impacts

CEQA defines a cumulative impact as two or more individual effects, which when considered together, are considerable or which compound or increase other environmental impacts. Therefore, if annual emissions of construction- or operational-related criteria air pollutants exceed any applicable threshold established by the BAAQMD, the proposed Project would result in a cumulatively significant impact. As discussed above, no exceedance of BAAQMD emission thresholds would occur as a result of construction or operation of the proposed Project. The proposed Project's construction and operational emissions of criteria pollutants are estimated to be well below the emissions threshold established for the region. Therefore, the Project would not result in a cumulatively considerable contribution to regional air quality impacts.

Sensitive Receptors

Sensitive receptors are defined as residential uses, schools, daycare centers, nursing homes, and medical centers. Individuals particularly vulnerable to diesel particulate matter are children, whose lung tissue is still developing, and the elderly, who may have serious health problems that can be aggravated by exposure to diesel particulate matter. Exposure from diesel exhaust associated with construction activity contributes to both cancer and chronic non-cancer health risks.

According to the BAAQMD, a project would result in a significant impact if it would: individually expose sensitive receptors to TACs resulting in an increased cancer risk greater than 10 in one million, increased non-cancer risk of greater than 1.0 on the hazard index (chronic or acute), or an annual average ambient $PM_{2.5}$ increase greater than 0.3 micrograms per cubic meter ($\mu g/m^3$). A significant cumulative impact would occur if the project in combination with other projects located within a 1,000 ft radius of the project site would expose sensitive receptors to TACs resulting in an increased cancer risk greater than 100 in one million, an increased non-cancer risk of greater than 10 on the hazard index (chronic), or an ambient $PM_{2.5}$ increase greater than 0.8 $\mu g/m^3$ on an annual average basis. Impacts from substantial pollutant concentrations are discussed below.

The proposed Project site is located in an urban area in close proximity to existing residential uses that could be exposed to diesel emission exhaust during the construction period. Residential uses are located immediately adjacent to the western and southern borders of the Project site. To

estimate the potential cancer risk from Project construction equipment exhaust (including diesel particulate matter), a dispersion model was used to translate an emission rate from the source location to a concentration at the receptor location (i.e., a nearby residential land use). Dispersion modeling varies from a simpler, more conservative screening-level analysis to a more complex and refined detailed analysis. This refined assessment was conducted using CARB's exposure methodology, with the air dispersion modeling performed using the USEPA dispersion model AERMOD. The model provides a detailed estimate of exhaust concentrations based on site and source geometry, source emissions strength, distance from the source to the receptor, and site-specific meteorological data. Table 6, below, identifies the results of the analysis utilizing the CalEEMod default of Tier 0 construction equipment. Model snap shots of the sources are provided in Attachment B.

Table 6: Unmitigated Inhalation Health Risks from Project Construction to Off-Site Receptors

	Carcinogenic Inhalation Health Risk in One Million	Chronic Inhalation Hazard Index	Acute Inhalation Hazard Index	Annual $PM_{2.5}$ Concentration ($\mu g/m^3$)
Maximally Exposed Individual	34.18	0.06	0.00	0.53
Threshold	**10.0**	**1.0**	**1.0**	**0.30**

Source: LSA (February 2019).
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
$\mu g/m^3$ = micrograms per cubic meter

As shown in Table 6, the risk associated with Project Construction at the maximally exposed individual (MEI) would be 34.18 in one million, which would exceed the BAAQMD cancer risk of 10 in one million. The total chronic hazard index would be 0.06, which would not exceed the threshold of 1.0. In addition, the total acute hazard index would be 0.00, which would also not exceed the threshold of 1.0. The results of the analysis indicate that the total $PM_{2.5}$ concentration would be 0.53 $\mu g/m^3$, which would exceed the BAAQMD significance threshold of 0.30 $\mu g/m^3$. As indicated above, the cancer risk of 34.18 in one million and $PM_{2.5}$ concentration of 0.53 $\mu g/m^3$ would exceed the BAAQMD's thresholds. Therefore, implementation of Mitigation Measure AIR-2 would be required to reduce substantial pollutant concentrations during Project construction.

Mitigation Measure AIR-2 During construction of the proposed Project, the Project contractor shall ensure all off-road diesel-powered construction equipment of 50 horsepower or more used for the Project construction at a minimum meets the California Air Resources Board (CARB) Tier 2 with a Level 3 Diesel Particulate Filter emissions standards or equivalent.

Table 7 identifies the results of the analysis with implementation of Mitigation Measure AIR-2.

Table 7: Mitigated Inhalation Health Risks from Project Construction to Off-Site Receptors

	Carcinogenic Inhalation Health Risk in One Million	Chronic Inhalation Hazard Index	Acute Inhalation Hazard Index	Annual $PM_{2.5}$ Concentration ($\mu g/m^3$)
Maximally Exposed Individual	7.86	0.013	0.00	0.12
Threshold	**10.0**	**1.0**	**1.0**	**0.30**

Source: LSA (February 2019).
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
$\mu g/m^3$ = micrograms per cubic meter

As shown in Table 7, the mitigated cancer risk at the MEI would be 7.86 in one million, which would not exceed the BAAQMD cancer risk of 10 in one million. In addition, the $PM_{2.5}$ concentration would be 0.12, which would not exceed the BAAQMD significance threshold of 0.30 $\mu g/m^3$. Therefore, with implementation of Mitigation Measure AIR-2, construction of the proposed Project would not exceed BAAQMD thresholds and would not expose nearby sensitive receptors to substantial pollutant concentrations.

Objectionable Odors

During Project construction, some odors may be present due to diesel exhaust. However, these odors would be temporary and limited to the construction period. The proposed Project would not include any activities or operations that would generate objectionable odors and once operational, the Project would not be a source of odors. Therefore, the proposed Project would not create objectionable odors affecting a substantial number of people.

Greenhouse Gas Analysis

This section discusses the Project's impacts related to the release of GHG emissions for both construction and operational phases of the Project.

Construction Emissions

Construction activities associated with the proposed Project would produce combustion emissions from various sources. During construction, GHGs would be emitted through the operation of construction equipment and from worker and builder supply vendor vehicles, each of which typically use fossil-based fuels to operate. The combustion of fossil-based fuels creates GHGs such as CO_2, CH_4, and N_2O. Furthermore, CH_4 is emitted during the fueling of heavy equipment. Exhaust emissions from on-site construction activities would vary daily as construction activity levels change.

The BAAQMD does not have an adopted threshold of significance for construction-related GHG emissions. However, lead agencies are encouraged to quantify and disclose GHG emissions that would occur during construction. Using CalEEMod, it is estimated that construction of Phase I would generate approximately 202.0 metric tons of CO_2e, and construction of Phase II would generate approximately 198.3 metric tons of CO_2e Therefore, construction of the proposed Project would generate a total of approximately 400.3 metric tons of CO_2e. Implementation of the Mitigation

Measure AIR-1 would reduce GHG emissions by reducing the amount of construction vehicle idling and by requiring the use of properly maintained equipment.

Operational Emissions

Long-term operation of the proposed Project would generate GHG emissions from area and mobile sources as well as indirect emissions from sources associated with energy consumption. Mobile-source GHG emissions would include Project-generated vehicle trips associated with trips to the proposed Project. Area-source emissions would be associated with activities such as landscaping and maintenance on the Project site, including other sources.

As discussed above, the General Plan includes strategies, policies, and action items that are incorporated in the City's GHG Reduction Strategy to help reduce GHG emissions. Multiple policies and actions in the General Plan have GHG implications, including land use, housing, transportation, water usage, solid waste generation and recycling, and reuse of historic buildings. The GHG Reduction Strategy is intended to meet the mandates as outlined in the *CEQA Air Quality Guidelines* and standards for "qualified plans" as set forth by BAAQMD.

On December 15, 2015, the San Jose City Council certified a Supplemental Program Environmental Impact Report to the Envision San Jose 2040 Final Program Environmental Impact Report and re-adopted the City's GHG Reduction Strategy in the General Plan. Projects that conform to the General Plan Land Use/Transportation Diagram and supporting policies are considered consistent with the City's GHG Reduction Strategy. The GHG Reduction Strategy identifies GHG emissions reduction measures to be implemented by development projects in three categories: built environment and energy, land use and transportation, and recycling and waste reduction. Some measures are mandatory for all proposed development projects and others are voluntary. Voluntary measures could be incorporated as mitigation measures for proposed projects, at the City's discretion.

In order to conform to the GHG Reduction Strategy, projects must be consistent with the Land Use/Transportation Diagram and incorporate features into the project design that meet the mandatory implementation policies. Below is a listing of the mandatory criteria utilized to evaluate project conformance by the City of San Jose:

Mandatory Criteria

1. Consistency with the Land Use/Transportation Diagram (General Plan Goals/Policies: IP-1, LU-10).
2. Implementation of Green Building Measures (General Plan Goals: MS-1, MS-2, MS-14):
    a. Solar Site Orientation
    b. Site Design
    c. Architectural Design
    d. Construction Techniques
    e. Consistency with the City Green Building Ordinance and Policies
    f. Consistency with GHG Reduction Strategy Policies: MS-1.1, MS-1.2, MC-2.3, MS-

2.11, and MS-14.4

3. Pedestrian/Bicycle Site Design Measures:
    a. Consistency with the Zoning Ordinance
    b. Consistency with GHG Reduction Strategy Policies: CD-2.1, CD-3.2, CD-3.3, CD-3.4, CD-3.6, CD-3.8, CD-3.10, CD-5.1, LU-5.4, LU-5.5, LU-9.1, TR-2.8, TR-2.11, TR-2.18, TR-3.3, TR-6.7
4. Salvage building materials and architectural elements from historic structures to be demolished to allow re-use (General Plan Policy LU-16.4), if applicable.
5. Complete an evaluation of operational energy efficiency and design measures for energy-intensive industries (e.g., data centers) (General Plan Policy MS-2.8), if applicable.
6. Preparation and implementation of the Transportation Demand Management (TDM) Program at large employers (General Plan Policy TR-7.1), if applicable.
7. Limits on drive-through and vehicle serving uses; all new uses that serve the occupants of vehicles (e.g., drive-through windows, car washes, service stations) must not disrupt pedestrian flow. (General Plan Policy LU-3.6), if applicable.

The proposed Project is consistent with Mandatory Criteria 1, 2, and 3. Specifically, the proposed Project would develop self-storage uses, consistent with the Project site's existing land use designation by the General Plan Land Use/Transportation Diagram. The Project would be constructed in compliance with the San Jose Green Building Ordinance (Policy 6-32) and the California Green Building Standards Code. Bicycle parking would be provided consistent with San Jose requirements. Given the inclusion of green building measures and bicycle parking, the Project would be consistent with the Mandatory Criteria 1 through 3 described above. Criteria 4, 5, 6, and 7 are not applicable to the proposed Project because the site does not contain historic structures, the Project is not an energy-intensive use[15], and the Project does not propose vehicle-serving uses. In addition, the Project is not considered a large employer, is anticipated to have two employees, and does not propose or warrant the implementation of a TDM.

The proposed Project would result in increased vehicle trips and an increase in energy use within the City of San Jose compared to existing conditions. However, compliance with the City's mandatory criteria as described above would ensure that operational GHG emission reductions are consistent with the GHG Strategy and would not result in a significant impact on the environment.

CONCLUSION

Based on the analysis presented above, with implementation of Mitigation Measure AIR-1, construction of the proposed Project would not result in the generation of criteria air pollutants that would exceed BAAQMD thresholds of significance. In addition, operational emissions associated with the proposed Project would not exceed BAAQMD established significance thresholds for ROG, NO_x, PM_{10}, or $PM_{2.5}$ emissions. The proposed Project would not result in a cumulatively considerable

[15] Energy-intensive uses include facilities such as data centers, which have high energy demand and indirect greenhouse gas emissions.

contribution to regional air quality impacts. In addition, with implementation of Mitigation Measure AIR-2, the proposed Project is not expected to produce significant emissions that would affect nearby sensitive receptors. The proposed Project would also not result in objectionable odors affecting a substantial number of people. The proposed Project would comply with the mandatory criteria identified in the City's GHG Reduction Strategy, and therefore, the proposed Project's GHG emissions would not be considered a significant impact.

Attachments: A: CalEEMod Output Sheets
B: HRA Model Snapshots

ATTACHMENT A

CALEEMOD OUTPUT SHEETS

San Jose Public Storage - Phase 1

Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	179.62	1000sqft	1.18	179,616.00	0
Other Asphalt Surfaces	21.40	1000sqft	0.49	21,400.00	0
Parking Lot	5.70	1000sqft	0.13	5,700.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2021
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	328.8	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

San Jose Public Storage - Phase 1 - Bay Area AQMD Air District, Annual

Project Characteristics - CO2 intensity based on 5-year average (PG&E, 2015)

Land Use - 1.8 acres to be disturbed during construction of Phase 1

Construction Phase - Total construction duration is approximately 12 months

Off-road Equipment - Default equipment

Off-road Equipment - Based on construction equipment list provided by the Applicant

Off-road Equipment - Based on construction equipment list provided by the Applicant

Off-road Equipment - Default equipment

Off-road Equipment - Default equipment

Off-road Equipment - Based on construction equipment list provided by the Applicant

Off-road Equipment - Based on construction equipment list provided by the Applicant

Trips and VMT - Assuming 20 - 30 workers on site on typical day and 2- 6 haul / deliveries per day

Demolition - demolish 34,457 sf during Phase I

Grading - 500 c.y. import

Vehicle Trips - Based on trip generation prepared for the proposed project

Construction Off-road Equipment Mitigation - Tier 2 construction equipment with level 3 diesel particulate filters

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3

tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
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San Jose Public Storage - Phase 1 - Bay Area AQMD Air District, Annual

tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	10.00	15.00
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tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	4.00	10.00
tblConstructionPhase	NumDays	10.00	5.00
tblConstructionPhase	NumDays	2.00	20.00
tblGrading	AcresOfGrading	3.75	1.50
tblGrading	AcresOfGrading	10.00	1.00
tblGrading	MaterialImported	0.00	500.00
tblLandUse	LandUseSquareFeet	179,620.00	179,616.00
tblLandUse	LotAcreage	4.12	1.18
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	328.8
tblTripsAndVMT	HaulingTripNumber	157.00	6.00
tblTripsAndVMT	HaulingTripNumber	0.00	6.00
tblTripsAndVMT	HaulingTripNumber	49.00	6.00
tblTripsAndVMT	HaulingTripNumber	0.00	6.00

tblTripsAndVMT	HaulingTripNumber	0.00	6.00
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tblTripsAndVMT	VendorTripNumber	34.00	6.00
tblVehicleTrips	ST_TR	1.32	1.23
tblVehicleTrips	SU_TR	0.68	1.23
tblVehicleTrips	WD_TR	6.97	1.23

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					
2020	0.0813	0.7232	0.8625	1.6900e-003	0.0937	0.0320	0.1258	0.0293	0.0295	0.0588	0.0000	150.3186	150.3186	0.0318	0.0000	151.1135
2021	0.9668	0.1963	0.2930	5.7000e-004	0.0199	8.4100e-003	0.0284	5.3300e-003	7.8000e-003	0.0131	0.0000	50.6321	50.6321	9.8600e-003	0.0000	50.8785
Maximum	**0.9668**	**0.7232**	**0.8625**	**1.6900e-003**	**0.0937**	**0.0320**	**0.1258**	**0.0293**	**0.0295**	**0.0588**	**0.0000**	**150.3186**	**150.3186**	**0.0318**	**0.0000**	**151.1135**

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					
2020	0.0691	1.0701	0.9369	1.6900e-003	0.0713	6.3200e-003	0.0776	0.0209	6.2800e-003	0.0272	0.0000	150.3185	150.3185	0.0318	0.0000	151.1134
2021	0.9667	0.3513	0.3153	5.7000e-004	0.0199	2.1300e-003	0.0221	5.3300e-003	2.1200e-003	7.4500e-003	0.0000	50.6320	50.6320	9.8600e-003	0.0000	50.8785
Maximum	**0.9667**	**1.0701**	**0.9369**	**1.6900e-003**	**0.0713**	**6.3200e-003**	**0.0776**	**0.0209**	**6.2800e-003**	**0.0272**	**0.0000**	**150.3185**	**150.3185**	**0.0318**	**0.0000**	**151.1134**

	ROG	NOx	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	**1.17**	**-54.59**	**-8.37**	**0.00**	**19.77**	**79.09**	**35.34**	**24.05**	**77.49**	**51.78**	**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	4-6-2020	7-5-2020	0.2983	0.3174
2	7-6-2020	10-5-2020	0.2575	0.4198
3	10-6-2020	1-5-2021	0.2584	0.4217
4	1-6-2021	4-5-2021	0.9681	1.1114
5	4-6-2021	7-5-2021	0.1822	0.1833
		Highest	0.9681	1.1114

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	0.7976	2.0000e-005	1.9100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.6900e-003	3.6900e-003	1.0000e-005	0.0000	3.9400e-003
Energy	0.0256	0.2323	0.1951	1.3900e-003		0.0177	0.0177		0.0177	0.0177	0.0000	474.4197	474.4197	0.0244	8.6800e-003	477.6157
Mobile	0.0645	0.3264	0.7930	2.8100e-003	0.2401	2.6000e-003	0.2427	0.0644	2.4400e-003	0.0669	0.0000	258.1284	258.1284	9.3500e-003	0.0000	258.3621
Waste						0.0000	0.0000		0.0000	0.0000	45.2122	0.0000	45.2122	2.6720	0.0000	112.0113
Water						0.0000	0.0000		0.0000	0.0000	13.1778	33.5206	46.6984	1.3564	0.0326	90.3155
Total	**0.8877**	**0.5586**	**0.9900**	**4.2000e-003**	**0.2401**	**0.0203**	**0.2603**	**0.0644**	**0.0201**	**0.0845**	**58.3900**	**766.0724**	**824.4624**	**4.0622**	**0.0413**	**938.3085**

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	0.7976	2.0000e-005	1.9100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.6900e-003	3.6900e-003	1.0000e-005	0.0000	3.9400e-003
Energy	0.0256	0.2323	0.1951	1.3900e-003		0.0177	0.0177		0.0177	0.0177	0.0000	474.4197	474.4197	0.0244	8.6800e-003	477.6157
Mobile	0.0645	0.3264	0.7930	2.8100e-003	0.2401	2.6000e-003	0.2427	0.0644	2.4400e-003	0.0669	0.0000	258.1284	258.1284	9.3500e-003	0.0000	258.3621
Waste						0.0000	0.0000		0.0000	0.0000	45.2122	0.0000	45.2122	2.6720	0.0000	112.0113
Water						0.0000	0.0000		0.0000	0.0000	13.1778	33.5206	46.6984	1.3564	0.0326	90.3155
Total	**0.8877**	**0.5586**	**0.9900**	**4.2000e-003**	**0.2401**	**0.0203**	**0.2603**	**0.0644**	**0.0201**	**0.0845**	**58.3900**	**766.0724**	**824.4624**	**4.0622**	**0.0413**	**938.3085**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

San Jose Public Storage - Phase 1 - Bay Area AQMD Air District, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/6/2020	4/24/2020	5	15	
2	Site Preparation	Site Preparation	4/25/2020	5/22/2020	5	20	
3	Grading	Grading	5/23/2020	6/5/2020	5	10	
4	Trenching	Trenching	6/6/2020	6/19/2020	5	10	
5	Building Construction	Building Construction	6/20/2020	3/12/2021	5	190	
6	Paving	Paving	3/13/2021	3/19/2021	5	5	
7	Architectural Coating	Architectural Coating	3/20/2021	4/9/2021	5	15	

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0.62

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 269,424; Non-Residential Outdoor: 89,808; Striped Parking Area: 1,626 (Architectural Coating – sqft)

OffRoad Equipment

San Jose Public Storage - Phase 1 - Bay Area AQMD Air District, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Dumpers/Tenders	4	8.00	16	0.38
Demolition	Excavators	1	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Dumpers/Tenders	1	8.00	16	0.38
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	0	7.00	247	0.40
Site Preparation	Skid Steer Loaders	1	7.00	65	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Aerial Lifts	4	8.00	63	0.31
Building Construction	Cranes	0	6.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	4	10.00	0.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	1	3.00	0.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	87.00	6.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	17.00	0.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0170	0.0000	0.0170	2.5700e-003	0.0000	2.5700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.6100e-003	0.0478	0.0491	8.0000e-005		2.4100e-003	2.4100e-003		2.2600e-003	2.2600e-003	0.0000	7.1077	7.1077	1.9400e-003	0.0000	7.1562
Total	**5.6100e-003**	**0.0478**	**0.0491**	**8.0000e-005**	**0.0170**	**2.4100e-003**	**0.0194**	**2.5700e-003**	**2.2600e-003**	**4.8300e-003**	**0.0000**	**7.1077**	**7.1077**	**1.9400e-003**	**0.0000**	**7.1562**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	8.8000e-004	1.8000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.2299	0.2299	1.0000e-005	0.0000	0.2302
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-004	2.7000e-004	2.7600e-003	1.0000e-005	8.9000e-004	1.0000e-005	8.9000e-004	2.4000e-004	1.0000e-005	2.4000e-004	0.0000	0.7788	0.7788	2.0000e-005	0.0000	0.7793
Total	**4.0000e-004**	**1.1500e-003**	**2.9400e-003**	**1.0000e-005**	**9.4000e-004**	**1.0000e-005**	**9.4000e-004**	**2.5000e-004**	**1.0000e-005**	**2.6000e-004**	**0.0000**	**1.0087**	**1.0087**	**3.0000e-005**	**0.0000**	**1.0095**

3.2 Demolition - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.6300e-003	0.0000	7.6300e-003	1.1600e-003	0.0000	1.1600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6000e-003	0.0557	0.0470	8.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004	0.0000	7.1077	7.1077	1.9400e-003	0.0000	7.1562
Total	**2.6000e-003**	**0.0557**	**0.0470**	**8.0000e-005**	**7.6300e-003**	**2.9000e-004**	**7.9200e-003**	**1.1600e-003**	**2.9000e-004**	**1.4500e-003**	**0.0000**	**7.1077**	**7.1077**	**1.9400e-003**	**0.0000**	**7.1562**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	8.8000e-004	1.8000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.2299	0.2299	1.0000e-005	0.0000	0.2302
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-004	2.7000e-004	2.7600e-003	1.0000e-005	8.9000e-004	1.0000e-005	8.9000e-004	2.4000e-004	1.0000e-005	2.4000e-004	0.0000	0.7788	0.7788	2.0000e-005	0.0000	0.7793
Total	**4.0000e-004**	**1.1500e-003**	**2.9400e-003**	**1.0000e-005**	**9.4000e-004**	**1.0000e-005**	**9.4000e-004**	**2.5000e-004**	**1.0000e-005**	**2.6000e-004**	**0.0000**	**1.0087**	**1.0087**	**3.0000e-005**	**0.0000**	**1.0095**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.3000e-004	0.0000	5.3000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.2900e-003	0.0983	0.0556	1.2000e-004		3.9300e-003	3.9300e-003		3.6300e-003	3.6300e-003	0.0000	10.7009	10.7009	3.3400e-003	0.0000	10.7845
Total	**8.2900e-003**	**0.0983**	**0.0556**	**1.2000e-004**	**5.3000e-004**	**3.9300e-003**	**4.4600e-003**	**6.0000e-005**	**3.6300e-003**	**3.6900e-003**	**0.0000**	**10.7009**	**10.7009**	**3.3400e-003**	**0.0000**	**10.7845**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	8.8000e-004	1.8000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.2299	0.2299	1.0000e-005	0.0000	0.2302
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.4000e-004	2.4600e-003	1.0000e-005	7.9000e-004	1.0000e-005	8.0000e-004	2.1000e-004	0.0000	2.2000e-004	0.0000	0.6923	0.6923	2.0000e-005	0.0000	0.6927
Total	**3.6000e-004**	**1.1200e-003**	**2.6400e-003**	**1.0000e-005**	**8.4000e-004**	**1.0000e-005**	**8.5000e-004**	**2.2000e-004**	**0.0000**	**2.4000e-004**	**0.0000**	**0.9222**	**0.9222**	**3.0000e-005**	**0.0000**	**0.9229**

3.3 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.4000e-004	0.0000	2.4000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9300e-003	0.1038	0.0723	1.2000e-004		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	10.7009	10.7009	3.3400e-003	0.0000	10.7845
Total	**3.9300e-003**	**0.1038**	**0.0723**	**1.2000e-004**	**2.4000e-004**	**4.7000e-004**	**7.1000e-004**	**3.0000e-005**	**4.7000e-004**	**5.0000e-004**	**0.0000**	**10.7009**	**10.7009**	**3.3400e-003**	**0.0000**	**10.7845**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	8.8000e-004	1.8000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.2299	0.2299	1.0000e-005	0.0000	0.2302
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.4000e-004	2.4600e-003	1.0000e-005	7.9000e-004	1.0000e-005	8.0000e-004	2.1000e-004	0.0000	2.2000e-004	0.0000	0.6923	0.6923	2.0000e-005	0.0000	0.6927
Total	**3.6000e-004**	**1.1200e-003**	**2.6400e-003**	**1.0000e-005**	**8.4000e-004**	**1.0000e-005**	**8.5000e-004**	**2.2000e-004**	**0.0000**	**2.4000e-004**	**0.0000**	**0.9222**	**0.9222**	**3.0000e-005**	**0.0000**	**0.9229**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0234	0.0000	0.0234	0.0125	0.0000	0.0125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.7500e-003	0.0754	0.0323	7.0000e-005		3.4200e-003	3.4200e-003		3.1500e-003	3.1500e-003	0.0000	6.1948	6.1948	2.0000e-003	0.0000	6.2449
Total	**6.7500e-003**	**0.0754**	**0.0323**	**7.0000e-005**	**0.0234**	**3.4200e-003**	**0.0268**	**0.0125**	**3.1500e-003**	**0.0157**	**0.0000**	**6.1948**	**6.1948**	**2.0000e-003**	**0.0000**	**6.2449**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	8.8000e-004	1.8000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.2299	0.2299	1.0000e-005	0.0000	0.2302
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	9.0000e-005	9.8000e-004	0.0000	3.2000e-004	0.0000	3.2000e-004	8.0000e-005	0.0000	9.0000e-005	0.0000	0.2769	0.2769	1.0000e-005	0.0000	0.2771
Total	**1.6000e-004**	**9.7000e-004**	**1.1600e-003**	**0.0000**	**3.7000e-004**	**0.0000**	**3.7000e-004**	**9.0000e-005**	**0.0000**	**1.1000e-004**	**0.0000**	**0.5068**	**0.5068**	**2.0000e-005**	**0.0000**	**0.5073**

3.4 Grading - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.6200e-003	0.0000	5.6200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0300e-003	0.0613	0.0404	7.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004	0.0000	6.1948	6.1948	2.0000e-003	0.0000	6.2449
Total	**2.0300e-003**	**0.0613**	**0.0404**	**7.0000e-005**	**0.0105**	**2.3000e-004**	**0.0108**	**5.6200e-003**	**2.3000e-004**	**5.8500e-003**	**0.0000**	**6.1948**	**6.1948**	**2.0000e-003**	**0.0000**	**6.2449**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	8.8000e-004	1.8000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.2299	0.2299	1.0000e-005	0.0000	0.2302
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	9.0000e-005	9.8000e-004	0.0000	3.2000e-004	0.0000	3.2000e-004	8.0000e-005	0.0000	9.0000e-005	0.0000	0.2769	0.2769	1.0000e-005	0.0000	0.2771
Total	**1.6000e-004**	**9.7000e-004**	**1.1600e-003**	**0.0000**	**3.7000e-004**	**0.0000**	**3.7000e-004**	**9.0000e-005**	**0.0000**	**1.1000e-004**	**0.0000**	**0.5068**	**0.5068**	**2.0000e-005**	**0.0000**	**0.5073**

3.5 Trenching - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0500e-003	0.0105	0.0114	2.0000e-005		6.7000e-004	6.7000e-004		6.1000e-004	6.1000e-004	0.0000	1.3643	1.3643	4.4000e-004	0.0000	1.3753
Total	**1.0500e-003**	**0.0105**	**0.0114**	**2.0000e-005**		**6.7000e-004**	**6.7000e-004**		**6.1000e-004**	**6.1000e-004**	**0.0000**	**1.3643**	**1.3643**	**4.4000e-004**	**0.0000**	**1.3753**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	8.8000e-004	1.8000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.2299	0.2299	1.0000e-005	0.0000	0.2302
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	4.0000e-005	3.7000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1038	0.1038	0.0000	0.0000	0.1039
Total	**8.0000e-005**	**9.2000e-004**	**5.5000e-004**	**0.0000**	**1.7000e-004**	**0.0000**	**1.7000e-004**	**4.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.3338**	**0.3338**	**1.0000e-005**	**0.0000**	**0.3341**

3.5 Trenching - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.3000e-004	0.0150	0.0117	2.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	1.3643	1.3643	4.4000e-004	0.0000	1.3753
Total	**7.3000e-004**	**0.0150**	**0.0117**	**2.0000e-005**		**9.0000e-005**	**9.0000e-005**		**9.0000e-005**	**9.0000e-005**	**0.0000**	**1.3643**	**1.3643**	**4.4000e-004**	**0.0000**	**1.3753**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	8.8000e-004	1.8000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.2299	0.2299	1.0000e-005	0.0000	0.2302
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	4.0000e-005	3.7000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1038	0.1038	0.0000	0.0000	0.1039
Total	**8.0000e-005**	**9.2000e-004**	**5.5000e-004**	**0.0000**	**1.7000e-004**	**0.0000**	**1.7000e-004**	**4.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.3338**	**0.3338**	**1.0000e-005**	**0.0000**	**0.3341**

3.6 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0369	0.4239	0.5461	7.9000e-004		0.0210	0.0210		0.0193	0.0193	0.0000	69.2346	69.2346	0.0224	0.0000	69.7944
Total	**0.0369**	**0.4239**	**0.5461**	**7.9000e-004**		**0.0210**	**0.0210**		**0.0193**	**0.0193**	**0.0000**	**69.2346**	**69.2346**	**0.0224**	**0.0000**	**69.7944**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	6.4000e-004	1.3000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1682	0.1682	1.0000e-005	0.0000	0.1684
Vendor	1.6100e-003	0.0481	0.0121	1.1000e-004	2.7300e-003	2.3000e-004	2.9700e-003	7.9000e-004	2.2000e-004	1.0200e-003	0.0000	10.9179	10.9179	5.6000e-004	0.0000	10.9320
Worker	0.0200	0.0143	0.1485	4.6000e-004	0.0478	3.2000e-004	0.0481	0.0127	3.0000e-004	0.0130	0.0000	41.8588	41.8588	1.0100e-003	0.0000	41.8841
Total	**0.0217**	**0.0631**	**0.1607**	**5.7000e-004**	**0.0506**	**5.5000e-004**	**0.0511**	**0.0135**	**5.2000e-004**	**0.0140**	**0.0000**	**52.9448**	**52.9448**	**1.5800e-003**	**0.0000**	**52.9845**

3.6 Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0371	0.7670	0.5975	7.9000e-004		4.6500e-003	4.6500e-003		4.6500e-003	4.6500e-003	0.0000	69.2345	69.2345	0.0224	0.0000	69.7943
Total	**0.0371**	**0.7670**	**0.5975**	**7.9000e-004**		**4.6500e-003**	**4.6500e-003**		**4.6500e-003**	**4.6500e-003**	**0.0000**	**69.2345**	**69.2345**	**0.0224**	**0.0000**	**69.7943**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	6.4000e-004	1.3000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1682	0.1682	1.0000e-005	0.0000	0.1684
Vendor	1.6100e-003	0.0481	0.0121	1.1000e-004	2.7300e-003	2.3000e-004	2.9700e-003	7.9000e-004	2.2000e-004	1.0200e-003	0.0000	10.9179	10.9179	5.6000e-004	0.0000	10.9320
Worker	0.0200	0.0143	0.1485	4.6000e-004	0.0478	3.2000e-004	0.0481	0.0127	3.0000e-004	0.0130	0.0000	41.8588	41.8588	1.0100e-003	0.0000	41.8841
Total	**0.0217**	**0.0631**	**0.1607**	**5.7000e-004**	**0.0506**	**5.5000e-004**	**0.0511**	**0.0135**	**5.2000e-004**	**0.0140**	**0.0000**	**52.9448**	**52.9448**	**1.5800e-003**	**0.0000**	**52.9845**

3.6 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0124	0.1426	0.1995	2.9000e-004		6.5100e-003	6.5100e-003		5.9900e-003	5.9900e-003	0.0000	25.4049	25.4049	8.2200e-003	0.0000	25.6103
Total	**0.0124**	**0.1426**	**0.1995**	**2.9000e-004**		**6.5100e-003**	**6.5100e-003**		**5.9900e-003**	**5.9900e-003**	**0.0000**	**25.4049**	**25.4049**	**8.2200e-003**	**0.0000**	**25.6103**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	2.2000e-004	5.0000e-005	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0609	0.0609	0.0000	0.0000	0.0610
Vendor	4.9000e-004	0.0160	3.9900e-003	4.0000e-005	1.0000e-003	3.0000e-005	1.0400e-003	2.9000e-004	3.0000e-005	3.2000e-004	0.0000	3.9680	3.9680	2.0000e-004	0.0000	3.9728
Worker	6.8100e-003	4.7000e-003	0.0498	1.6000e-004	0.0175	1.1000e-004	0.0176	4.6600e-003	1.1000e-004	4.7700e-003	0.0000	14.8194	14.8194	3.3000e-004	0.0000	14.8277
Total	**7.3100e-003**	**0.0209**	**0.0538**	**2.0000e-004**	**0.0186**	**1.4000e-004**	**0.0187**	**4.9600e-003**	**1.4000e-004**	**5.1000e-003**	**0.0000**	**18.8482**	**18.8482**	**5.3000e-004**	**0.0000**	**18.8615**

3.6 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0136	0.2814	0.2192	2.9000e-004		1.7100e-003	1.7100e-003		1.7100e-003	1.7100e-003	0.0000	25.4049	25.4049	8.2200e-003	0.0000	25.6103
Total	**0.0136**	**0.2814**	**0.2192**	**2.9000e-004**		**1.7100e-003**	**1.7100e-003**		**1.7100e-003**	**1.7100e-003**	**0.0000**	**25.4049**	**25.4049**	**8.2200e-003**	**0.0000**	**25.6103**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	2.2000e-004	5.0000e-005	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0609	0.0609	0.0000	0.0000	0.0610
Vendor	4.9000e-004	0.0160	3.9900e-003	4.0000e-005	1.0000e-003	3.0000e-005	1.0400e-003	2.9000e-004	3.0000e-005	3.2000e-004	0.0000	3.9680	3.9680	2.0000e-004	0.0000	3.9728
Worker	6.8100e-003	4.7000e-003	0.0498	1.6000e-004	0.0175	1.1000e-004	0.0176	4.6600e-003	1.1000e-004	4.7700e-003	0.0000	14.8194	14.8194	3.3000e-004	0.0000	14.8277
Total	**7.3100e-003**	**0.0209**	**0.0538**	**2.0000e-004**	**0.0186**	**1.4000e-004**	**0.0187**	**4.9600e-003**	**1.4000e-004**	**5.1000e-003**	**0.0000**	**18.8482**	**18.8482**	**5.3000e-004**	**0.0000**	**18.8615**

3.7 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.9300e-003	0.0194	0.0221	3.0000e-005		1.0400e-003	1.0400e-003		9.6000e-004	9.6000e-004	0.0000	2.9412	2.9412	9.3000e-004	0.0000	2.9646
Paving	8.1000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.7400e-003**	**0.0194**	**0.0221**	**3.0000e-005**		**1.0400e-003**	**1.0400e-003**		**9.6000e-004**	**9.6000e-004**	**0.0000**	**2.9412**	**2.9412**	**9.3000e-004**	**0.0000**	**2.9646**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	8.1000e-004	1.7000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.2270	0.2270	1.0000e-005	0.0000	0.2273
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	7.0000e-005	7.3000e-004	0.0000	2.6000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2171	0.2171	0.0000	0.0000	0.2172
Total	**1.2000e-004**	**8.8000e-004**	**9.0000e-004**	**0.0000**	**3.1000e-004**	**0.0000**	**3.1000e-004**	**8.0000e-005**	**0.0000**	**9.0000e-005**	**0.0000**	**0.4441**	**0.4441**	**1.0000e-005**	**0.0000**	**0.4445**

3.7 Paving - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.3700e-003	0.0294	0.0246	3.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	2.9412	2.9412	9.3000e-004	0.0000	2.9646
Paving	8.1000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.1800e-003**	**0.0294**	**0.0246**	**3.0000e-005**		**1.5000e-004**	**1.5000e-004**		**1.5000e-004**	**1.5000e-004**	**0.0000**	**2.9412**	**2.9412**	**9.3000e-004**	**0.0000**	**2.9646**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	8.1000e-004	1.7000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.2270	0.2270	1.0000e-005	0.0000	0.2273
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	7.0000e-005	7.3000e-004	0.0000	2.6000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2171	0.2171	0.0000	0.0000	0.2172
Total	**1.2000e-004**	**8.8000e-004**	**9.0000e-004**	**0.0000**	**3.1000e-004**	**0.0000**	**3.1000e-004**	**8.0000e-005**	**0.0000**	**9.0000e-005**	**0.0000**	**0.4441**	**0.4441**	**1.0000e-005**	**0.0000**	**0.4445**

3.8 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9422					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6400e-003	0.0115	0.0136	2.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	1.9149	1.9149	1.3000e-004	0.0000	1.9182
Total	**0.9439**	**0.0115**	**0.0136**	**2.0000e-005**		**7.1000e-004**	**7.1000e-004**		**7.1000e-004**	**7.1000e-004**	**0.0000**	**1.9149**	**1.9149**	**1.3000e-004**	**0.0000**	**1.9182**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	8.1000e-004	1.7000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.2270	0.2270	1.0000e-005	0.0000	0.2273
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	2.7000e-004	2.8600e-003	1.0000e-005	1.0100e-003	1.0000e-005	1.0100e-003	2.7000e-004	1.0000e-005	2.7000e-004	0.0000	0.8517	0.8517	2.0000e-005	0.0000	0.8522
Total	**4.1000e-004**	**1.0800e-003**	**3.0300e-003**	**1.0000e-005**	**1.0600e-003**	**1.0000e-005**	**1.0600e-003**	**2.8000e-004**	**1.0000e-005**	**2.9000e-004**	**0.0000**	**1.0787**	**1.0787**	**3.0000e-005**	**0.0000**	**1.0794**

3.8 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9422					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5000e-004	0.0176	0.0137	2.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	1.9149	1.9149	1.3000e-004	0.0000	1.9182
Total	**0.9431**	**0.0176**	**0.0137**	**2.0000e-005**		**1.1000e-004**	**1.1000e-004**		**1.1000e-004**	**1.1000e-004**	**0.0000**	**1.9149**	**1.9149**	**1.3000e-004**	**0.0000**	**1.9182**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	8.1000e-004	1.7000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.2270	0.2270	1.0000e-005	0.0000	0.2273
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	2.7000e-004	2.8600e-003	1.0000e-005	1.0100e-003	1.0000e-005	1.0100e-003	2.7000e-004	1.0000e-005	2.7000e-004	0.0000	0.8517	0.8517	2.0000e-005	0.0000	0.8522
Total	**4.1000e-004**	**1.0800e-003**	**3.0300e-003**	**1.0000e-005**	**1.0600e-003**	**1.0000e-005**	**1.0600e-003**	**2.8000e-004**	**1.0000e-005**	**2.9000e-004**	**0.0000**	**1.0787**	**1.0787**	**3.0000e-005**	**0.0000**	**1.0794**

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	0.0645	0.3264	0.7930	2.8100e-003	0.2401	2.6000e-003	0.2427	0.0644	2.4400e-003	0.0669	0.0000	258.1284	258.1284	9.3500e-003	0.0000	258.3621
Unmitigated	0.0645	0.3264	0.7930	2.8100e-003	0.2401	2.6000e-003	0.2427	0.0644	2.4400e-003	0.0669	0.0000	258.1284	258.1284	9.3500e-003	0.0000	258.3621

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	220.93	220.93	220.93	645,015	645,015
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	220.93	220.93	220.93	645,015	645,015

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	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	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	0.575198	0.040076	0.193827	0.113296	0.016988	0.005361	0.017552	0.025197	0.002581	0.002349	0.005904	0.000881	0.000789
Other Asphalt Surfaces	0.575198	0.040076	0.193827	0.113296	0.016988	0.005361	0.017552	0.025197	0.002581	0.002349	0.005904	0.000881	0.000789
Parking Lot	0.575198	0.040076	0.193827	0.113296	0.016988	0.005361	0.017552	0.025197	0.002581	0.002349	0.005904	0.000881	0.000789

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	221.5676	221.5676	0.0195	4.0400e-003	223.2610
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	221.5676	221.5676	0.0195	4.0400e-003	223.2610
NaturalGas Mitigated	0.0256	0.2323	0.1951	1.3900e-003		0.0177	0.0177		0.0177	0.0177	0.0000	252.8521	252.8521	4.8500e-003	4.6400e-003	254.3547
NaturalGas Unmitigated	0.0256	0.2323	0.1951	1.3900e-003		0.0177	0.0177		0.0177	0.0177	0.0000	252.8521	252.8521	4.8500e-003	4.6400e-003	254.3547

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	4.73827e+006	0.0256	0.2323	0.1951	1.3900e-003		0.0177	0.0177		0.0177	0.0177	0.0000	252.8521	252.8521	4.8500e-003	4.6400e-003	254.3547
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		**0.0256**	**0.2323**	**0.1951**	**1.3900e-003**		**0.0177**	**0.0177**		**0.0177**	**0.0177**	**0.0000**	**252.8521**	**252.8521**	**4.8500e-003**	**4.6400e-003**	**254.3547**

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	4.73827e+006	0.0256	0.2323	0.1951	1.3900e-003		0.0177	0.0177		0.0177	0.0177	0.0000	252.8521	252.8521	4.8500e-003	4.6400e-003	254.3547
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		**0.0256**	**0.2323**	**0.1951**	**1.3900e-003**		**0.0177**	**0.0177**		**0.0177**	**0.0177**	**0.0000**	**252.8521**	**252.8521**	**4.8500e-003**	**4.6400e-003**	**254.3547**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	1.48363e+006	221.2700	0.0195	4.0400e-003	222.9612
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	1995	0.2975	3.0000e-005	1.0000e-005	0.2998
Total		**221.5676**	**0.0196**	**4.0500e-003**	**223.2610**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	1.48363e+006	221.2700	0.0195	4.0400e-003	222.9612
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	1995	0.2975	3.0000e-005	1.0000e-005	0.2998
Total		**221.5676**	**0.0196**	**4.0500e-003**	**223.2610**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.7976	2.0000e-005	1.9100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.6900e-003	3.6900e-003	1.0000e-005	0.0000	3.9400e-003
Unmitigated	0.7976	2.0000e-005	1.9100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.6900e-003	3.6900e-003	1.0000e-005	0.0000	3.9400e-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	0.0942					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7032					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.8000e-004	2.0000e-005	1.9100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.6900e-003	3.6900e-003	1.0000e-005	0.0000	3.9400e-003
Total	**0.7976**	**2.0000e-005**	**1.9100e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**3.6900e-003**	**3.6900e-003**	**1.0000e-005**	**0.0000**	**3.9400e-003**

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	0.0942					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7032					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.8000e-004	2.0000e-005	1.9100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.6900e-003	3.6900e-003	1.0000e-005	0.0000	3.9400e-003
Total	**0.7976**	**2.0000e-005**	**1.9100e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**3.6900e-003**	**3.6900e-003**	**1.0000e-005**	**0.0000**	**3.9400e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	46.6984	1.3564	0.0326	90.3155
Unmitigated	46.6984	1.3564	0.0326	90.3155

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	41.5371 / 0	46.6984	1.3564	0.0326	90.3155
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		**46.6984**	**1.3564**	**0.0326**	**90.3155**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	41.5371 / 0	46.6984	1.3564	0.0326	90.3155
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		**46.6984**	**1.3564**	**0.0326**	**90.3155**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	45.2122	2.6720	0.0000	112.0113
Unmitigated	45.2122	2.6720	0.0000	112.0113

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	222.73	45.2122	2.6720	0.0000	112.0113
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**45.2122**	**2.6720**	**0.0000**	**112.0113**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	222.73	45.2122	2.6720	0.0000	112.0113
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**45.2122**	**2.6720**	**0.0000**	**112.0113**

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

11.0 Vegetation

San Jose Public Storage - Phase 1

Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	179.62	1000sqft	1.18	179,616.00	0
Other Asphalt Surfaces	21.40	1000sqft	0.49	21,400.00	0
Parking Lot	5.70	1000sqft	0.13	5,700.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2021
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	328.8	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

San Jose Public Storage - Phase 1 - Bay Area AQMD Air District, Summer

Project Characteristics - CO2 intensity based on 5-year average (PG&E, 2015)

Land Use - 1.8 acres to be disturbed during construction of Phase 1

Construction Phase - Total construction duration is approximately 12 months

Off-road Equipment - Default equipment

Off-road Equipment - Based on construction equipment list provided by the Applicant

Off-road Equipment - Based on construction equipment list provided by the Applicant

Off-road Equipment - Default equipment

Off-road Equipment - Default equipment

Off-road Equipment - Based on construction equipment list provided by the Applicant

Off-road Equipment - Based on construction equipment list provided by the Applicant

Trips and VMT - Assuming 20 - 30 workers on site on typical day and 2- 6 haul / deliveries per day

Demolition - demolish 34,457 sf during Phase I

Grading - 500 c.y. import

Vehicle Trips - Based on trip generation prepared for the proposed project

Construction Off-road Equipment Mitigation - Tier 2 construction equipment with level 3 diesel particulate filters

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3

tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2

San Jose Public Storage - Phase 1 - Bay Area AQMD Air District, Summer

tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	10.00	15.00
tblConstructionPhase	NumDays	200.00	190.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	4.00	10.00
tblConstructionPhase	NumDays	10.00	5.00
tblConstructionPhase	NumDays	2.00	20.00
tblGrading	AcresOfGrading	3.75	1.50
tblGrading	AcresOfGrading	10.00	1.00
tblGrading	MaterialImported	0.00	500.00
tblLandUse	LandUseSquareFeet	179,620.00	179,616.00
tblLandUse	LotAcreage	4.12	1.18
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	328.8
tblTripsAndVMT	HaulingTripNumber	157.00	6.00
tblTripsAndVMT	HaulingTripNumber	0.00	6.00
tblTripsAndVMT	HaulingTripNumber	49.00	6.00
tblTripsAndVMT	HaulingTripNumber	0.00	6.00

tblTripsAndVMT	HaulingTripNumber	0.00	6.00
tblTripsAndVMT	HaulingTripNumber	0.00	6.00
tblTripsAndVMT	HaulingTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	34.00	6.00
tblVehicleTrips	ST_TR	1.32	1.23
tblVehicleTrips	SU_TR	0.68	1.23
tblVehicleTrips	WD_TR	6.97	1.23

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	1.3826	15.2741	10.3563	0.0202	4.7518	0.6854	5.4372	2.5202	0.6306	3.1507	0.0000	1,989.8891	1,989.8891	0.4458	0.0000	1,999.4169
2021	125.9084	8.0842	10.1082	0.0199	0.7570	0.4170	1.0181	0.2017	0.3845	0.4419	0.0000	1,963.2330	1,963.2330	0.4184	0.0000	1,972.7042
Maximum	**125.9084**	**15.2741**	**10.3563**	**0.0202**	**4.7518**	**0.6854**	**5.4372**	**2.5202**	**0.6306**	**3.1507**	**0.0000**	**1,989.8891**	**1,989.8891**	**0.4458**	**0.0000**	**1,999.4169**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.8598	12.4520	11.0959	0.0202	2.1802	0.0749	2.2278	1.1452	0.0744	1.1928	0.0000	1,989.8891	1,989.8891	0.4458	0.0000	1,999.4169
2021	125.8034	12.0837	10.8817	0.0199	0.7570	0.0728	0.8298	0.2017	0.0724	0.2741	0.0000	1,963.2330	1,963.2330	0.4184	0.0000	1,972.7042
Maximum	**125.8034**	**12.4520**	**11.0959**	**0.0202**	**2.1802**	**0.0749**	**2.2278**	**1.1452**	**0.0744**	**1.1928**	**0.0000**	**1,989.8891**	**1,989.8891**	**0.4458**	**0.0000**	**1,999.4169**

	ROG	NOx	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	**0.49**	**-5.04**	**-7.39**	**0.00**	**46.68**	**86.60**	**52.63**	**50.51**	**85.54**	**59.17**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.3717	1.9000e-004	0.0212	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0452	0.0452	1.2000e-004		0.0482
Energy	0.1400	1.2727	1.0691	7.6400e-003		0.0967	0.0967		0.0967	0.0967		1,527.2426	1,527.2426	0.0293	0.0280	1,536.3182
Mobile	0.4020	1.7306	4.5819	0.0164	1.3704	0.0143	1.3847	0.3667	0.0134	0.3801		1,655.4713	1,655.4713	0.0573		1,656.9046
Total	**4.9136**	**3.0035**	**5.6722**	**0.0240**	**1.3704**	**0.1111**	**1.4815**	**0.3667**	**0.1102**	**0.4769**		**3,182.7591**	**3,182.7591**	**0.0867**	**0.0280**	**3,193.2710**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.3717	1.9000e-004	0.0212	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0452	0.0452	1.2000e-004		0.0482
Energy	0.1400	1.2727	1.0691	7.6400e-003		0.0967	0.0967		0.0967	0.0967		1,527.2426	1,527.2426	0.0293	0.0280	1,536.3182
Mobile	0.4020	1.7306	4.5819	0.0164	1.3704	0.0143	1.3847	0.3667	0.0134	0.3801		1,655.4713	1,655.4713	0.0573		1,656.9046
Total	**4.9136**	**3.0035**	**5.6722**	**0.0240**	**1.3704**	**0.1111**	**1.4815**	**0.3667**	**0.1102**	**0.4769**		**3,182.7591**	**3,182.7591**	**0.0867**	**0.0280**	**3,193.2710**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/6/2020	4/24/2020	5	15	
2	Site Preparation	Site Preparation	4/25/2020	5/22/2020	5	20	
3	Grading	Grading	5/23/2020	6/5/2020	5	10	
4	Trenching	Trenching	6/6/2020	6/19/2020	5	10	
5	Building Construction	Building Construction	6/20/2020	3/12/2021	5	190	
6	Paving	Paving	3/13/2021	3/19/2021	5	5	
7	Architectural Coating	Architectural Coating	3/20/2021	4/9/2021	5	15	

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0.62

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 269,424; Non-Residential Outdoor: 89,808; Striped Parking Area: 1,626 (Architectural Coating – sqft)

OffRoad Equipment

San Jose Public Storage - Phase 1 - Bay Area AQMD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Dumpers/Tenders	4	8.00	16	0.38
Demolition	Excavators	1	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Dumpers/Tenders	1	8.00	16	0.38
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	0	7.00	247	0.40
Site Preparation	Skid Steer Loaders	1	7.00	65	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Aerial Lifts	4	8.00	63	0.31
Building Construction	Cranes	0	6.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	4	10.00	0.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	1	3.00	0.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	87.00	6.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	17.00	0.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.2612	0.0000	2.2612	0.3424	0.0000	0.3424			0.0000			0.0000
Off-Road	0.7483	6.3776	6.5508	0.0113		0.3208	0.3208		0.3008	0.3008		1,044.6482	1,044.6482	0.2852		1,051.7779
Total	**0.7483**	**6.3776**	**6.5508**	**0.0113**	**2.2612**	**0.3208**	**2.5820**	**0.3424**	**0.3008**	**0.6431**		**1,044.6482**	**1,044.6482**	**0.2852**		**1,051.7779**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.3000e-003	0.1146	0.0228	3.2000e-004	6.9900e-003	3.7000e-004	7.3600e-003	1.9100e-003	3.6000e-004	2.2700e-003		34.0313	34.0313	1.7000e-003		34.0739
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0521	0.0316	0.4025	1.2400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		123.1165	123.1165	2.9700e-003		123.1907
Total	**0.0554**	**0.1461**	**0.4252**	**1.5600e-003**	**0.1302**	**1.1700e-003**	**0.1314**	**0.0346**	**1.1000e-003**	**0.0357**		**157.1478**	**157.1478**	**4.6700e-003**		**157.2646**

3.2 Demolition - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0175	0.0000	1.0175	0.1541	0.0000	0.1541			0.0000			0.0000
Off-Road	0.3468	7.4224	6.2601	0.0113		0.0386	0.0386		0.0386	0.0386	0.0000	1,044.6482	1,044.6482	0.2852		1,051.7779
Total	**0.3468**	**7.4224**	**6.2601**	**0.0113**	**1.0175**	**0.0386**	**1.0561**	**0.1541**	**0.0386**	**0.1926**	**0.0000**	**1,044.6482**	**1,044.6482**	**0.2852**		**1,051.7779**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.3000e-003	0.1146	0.0228	3.2000e-004	6.9900e-003	3.7000e-004	7.3600e-003	1.9100e-003	3.6000e-004	2.2700e-003		34.0313	34.0313	1.7000e-003		34.0739
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0521	0.0316	0.4025	1.2400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		123.1165	123.1165	2.9700e-003		123.1907
Total	**0.0554**	**0.1461**	**0.4252**	**1.5600e-003**	**0.1302**	**1.1700e-003**	**0.1314**	**0.0346**	**1.1000e-003**	**0.0357**		**157.1478**	**157.1478**	**4.6700e-003**		**157.2646**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0530	0.0000	0.0530	5.7300e-003	0.0000	5.7300e-003			0.0000			0.0000
Off-Road	0.8287	9.8252	5.5613	0.0123		0.3933	0.3933		0.3632	0.3632		1,179.5751	1,179.5751	0.3683		1,188.7834
Total	**0.8287**	**9.8252**	**5.5613**	**0.0123**	**0.0530**	**0.3933**	**0.4463**	**5.7300e-003**	**0.3632**	**0.3690**		**1,179.5751**	**1,179.5751**	**0.3683**		**1,188.7834**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.4800e-003	0.0859	0.0171	2.4000e-004	5.2400e-003	2.8000e-004	5.5200e-003	1.4400e-003	2.7000e-004	1.7000e-003		25.5235	25.5235	1.2800e-003		25.5554
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0348	0.0210	0.2683	8.2000e-004	0.0822	5.3000e-004	0.0827	0.0218	4.9000e-004	0.0223		82.0777	82.0777	1.9800e-003		82.1271
Total	**0.0372**	**0.1070**	**0.2854**	**1.0600e-003**	**0.0874**	**8.1000e-004**	**0.0882**	**0.0232**	**7.6000e-004**	**0.0240**		**107.6012**	**107.6012**	**3.2600e-003**		**107.6825**

3.3 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0239	0.0000	0.0239	2.5800e-003	0.0000	2.5800e-003			0.0000			0.0000
Off-Road	0.3932	10.3814	7.2311	0.0123		0.0468	0.0468		0.0468	0.0468	0.0000	1,179.5751	1,179.5751	0.3683		1,188.7834
Total	**0.3932**	**10.3814**	**7.2311**	**0.0123**	**0.0239**	**0.0468**	**0.0706**	**2.5800e-003**	**0.0468**	**0.0494**	**0.0000**	**1,179.5751**	**1,179.5751**	**0.3683**		**1,188.7834**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.4800e-003	0.0859	0.0171	2.4000e-004	5.2400e-003	2.8000e-004	5.5200e-003	1.4400e-003	2.7000e-004	1.7000e-003		25.5235	25.5235	1.2800e-003		25.5554
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0348	0.0210	0.2683	8.2000e-004	0.0822	5.3000e-004	0.0827	0.0218	4.9000e-004	0.0223		82.0777	82.0777	1.9800e-003		82.1271
Total	**0.0372**	**0.1070**	**0.2854**	**1.0600e-003**	**0.0874**	**8.1000e-004**	**0.0882**	**0.0232**	**7.6000e-004**	**0.0240**		**107.6012**	**107.6012**	**3.2600e-003**		**107.6825**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.6756	0.0000	4.6756	2.4999	0.0000	2.4999			0.0000			0.0000
Off-Road	1.3498	15.0854	6.4543	0.0141		0.6844	0.6844		0.6296	0.6296		1,365.7183	1,365.7183	0.4417		1,376.7609
Total	**1.3498**	**15.0854**	**6.4543**	**0.0141**	**4.6756**	**0.6844**	**5.3600**	**2.4999**	**0.6296**	**3.1295**		**1,365.7183**	**1,365.7183**	**0.4417**		**1,376.7609**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.9500e-003	0.1719	0.0342	4.8000e-004	0.0105	5.6000e-004	0.0110	2.8700e-003	5.4000e-004	3.4100e-003		51.0470	51.0470	2.5500e-003		51.1109
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0278	0.0168	0.2146	6.6000e-004	0.0657	4.3000e-004	0.0661	0.0174	3.9000e-004	0.0178		65.6621	65.6621	1.5800e-003		65.7017
Total	**0.0328**	**0.1887**	**0.2488**	**1.1400e-003**	**0.0762**	**9.9000e-004**	**0.0772**	**0.0203**	**9.3000e-004**	**0.0212**		**116.7091**	**116.7091**	**4.1300e-003**		**116.8125**

3.4 Grading - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.1040	0.0000	2.1040	1.1249	0.0000	1.1249			0.0000			0.0000
Off-Road	0.4059	12.2633	8.0841	0.0141		0.0466	0.0466		0.0466	0.0466	0.0000	1,365.7183	1,365.7183	0.4417		1,376.7609
Total	**0.4059**	**12.2633**	**8.0841**	**0.0141**	**2.1040**	**0.0466**	**2.1506**	**1.1249**	**0.0466**	**1.1715**	**0.0000**	**1,365.7183**	**1,365.7183**	**0.4417**		**1,376.7609**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.9500e-003	0.1719	0.0342	4.8000e-004	0.0105	5.6000e-004	0.0110	2.8700e-003	5.4000e-004	3.4100e-003		51.0470	51.0470	2.5500e-003		51.1109
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0278	0.0168	0.2146	6.6000e-004	0.0657	4.3000e-004	0.0661	0.0174	3.9000e-004	0.0178		65.6621	65.6621	1.5800e-003		65.7017
Total	**0.0328**	**0.1887**	**0.2488**	**1.1400e-003**	**0.0762**	**9.9000e-004**	**0.0772**	**0.0203**	**9.3000e-004**	**0.0212**		**116.7091**	**116.7091**	**4.1300e-003**		**116.8125**

3.5 Trenching - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2095	2.1052	2.2797	3.1100e-003		0.1331	0.1331		0.1225	0.1225		300.7685	300.7685	0.0973		303.2004
Total	**0.2095**	**2.1052**	**2.2797**	**3.1100e-003**		**0.1331**	**0.1331**		**0.1225**	**0.1225**		**300.7685**	**300.7685**	**0.0973**		**303.2004**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.9500e-003	0.1719	0.0342	4.8000e-004	0.0105	5.6000e-004	0.0110	2.8700e-003	5.4000e-004	3.4100e-003		51.0470	51.0470	2.5500e-003		51.1109
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0104	6.3100e-003	0.0805	2.5000e-004	0.0246	1.6000e-004	0.0248	6.5400e-003	1.5000e-004	6.6800e-003		24.6233	24.6233	5.9000e-004		24.6381
Total	**0.0154**	**0.1782**	**0.1147**	**7.3000e-004**	**0.0351**	**7.2000e-004**	**0.0358**	**9.4100e-003**	**6.9000e-004**	**0.0101**		**75.6703**	**75.6703**	**3.1400e-003**		**75.7490**

3.5 Trenching - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1456	3.0067	2.3421	3.1100e-003		0.0182	0.0182		0.0182	0.0182	0.0000	300.7685	300.7685	0.0973		303.2004
Total	**0.1456**	**3.0067**	**2.3421**	**3.1100e-003**		**0.0182**	**0.0182**		**0.0182**	**0.0182**	**0.0000**	**300.7685**	**300.7685**	**0.0973**		**303.2004**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.9500e-003	0.1719	0.0342	4.8000e-004	0.0105	5.6000e-004	0.0110	2.8700e-003	5.4000e-004	3.4100e-003		51.0470	51.0470	2.5500e-003		51.1109
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0104	6.3100e-003	0.0805	2.5000e-004	0.0246	1.6000e-004	0.0248	6.5400e-003	1.5000e-004	6.6800e-003		24.6233	24.6233	5.9000e-004		24.6381
Total	**0.0154**	**0.1782**	**0.1147**	**7.3000e-004**	**0.0351**	**7.2000e-004**	**0.0358**	**9.4100e-003**	**6.9000e-004**	**0.0101**		**75.6703**	**75.6703**	**3.1400e-003**		**75.7490**

3.6 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5315	6.0997	7.8572	0.0113		0.3021	0.3021		0.2780	0.2780		1,098.1020	1,098.1020	0.3552		1,106.9807
Total	**0.5315**	**6.0997**	**7.8572**	**0.0113**		**0.3021**	**0.3021**		**0.2780**	**0.2780**		**1,098.1020**	**1,098.1020**	**0.3552**		**1,106.9807**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.6000e-004	9.0500e-003	1.8000e-003	3.0000e-005	7.0000e-004	3.0000e-005	7.3000e-004	1.9000e-004	3.0000e-005	2.2000e-004		2.6867	2.6867	1.3000e-004		2.6900
Vendor	0.0228	0.6838	0.1631	1.6500e-003	0.0406	3.3500e-003	0.0440	0.0117	3.2100e-003	0.0149		175.0248	175.0248	8.6200e-003		175.2403
Worker	0.3024	0.1831	2.3343	7.1700e-003	0.7147	4.6300e-003	0.7193	0.1896	4.2600e-003	0.1938		714.0756	714.0756	0.0172		714.5058
Total	**0.3254**	**0.8759**	**2.4992**	**8.8500e-003**	**0.7560**	**8.0100e-003**	**0.7640**	**0.2015**	**7.5000e-003**	**0.2090**		**891.7871**	**891.7871**	**0.0260**		**892.4361**

3.6 Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5344	11.0364	8.5968	0.0113		0.0669	0.0669		0.0669	0.0669	0.0000	1,098.1020	1,098.1020	0.3552		1,106.9807
Total	**0.5344**	**11.0364**	**8.5968**	**0.0113**		**0.0669**	**0.0669**		**0.0669**	**0.0669**	**0.0000**	**1,098.1020**	**1,098.1020**	**0.3552**		**1,106.9807**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.6000e-004	9.0500e-003	1.8000e-003	3.0000e-005	7.0000e-004	3.0000e-005	7.3000e-004	1.9000e-004	3.0000e-005	2.2000e-004		2.6867	2.6867	1.3000e-004		2.6900
Vendor	0.0228	0.6838	0.1631	1.6500e-003	0.0406	3.3500e-003	0.0440	0.0117	3.2100e-003	0.0149		175.0248	175.0248	8.6200e-003		175.2403
Worker	0.3024	0.1831	2.3343	7.1700e-003	0.7147	4.6300e-003	0.7193	0.1896	4.2600e-003	0.1938		714.0756	714.0756	0.0172		714.5058
Total	**0.3254**	**0.8759**	**2.4992**	**8.8500e-003**	**0.7560**	**8.0100e-003**	**0.7640**	**0.2015**	**7.5000e-003**	**0.2090**		**891.7871**	**891.7871**	**0.0260**		**892.4361**

3.6 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4844	5.5930	7.8232	0.0114		0.2552	0.2552		0.2348	0.2348		1,098.2007	1,098.2007	0.3552		1,107.0802
Total	**0.4844**	**5.5930**	**7.8232**	**0.0114**		**0.2552**	**0.2552**		**0.2348**	**0.2348**		**1,098.2007**	**1,098.2007**	**0.3552**		**1,107.0802**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.5000e-004	8.3600e-003	1.7600e-003	2.0000e-005	1.6900e-003	3.0000e-005	1.7200e-003	4.3000e-004	3.0000e-005	4.6000e-004		2.6524	2.6524	1.3000e-004		2.6556
Vendor	0.0186	0.6201	0.1462	1.6400e-003	0.0406	1.3400e-003	0.0420	0.0117	1.2800e-003	0.0130		173.3751	173.3751	8.1400e-003		173.5786
Worker	0.2797	0.1635	2.1370	6.9100e-003	0.7147	4.5000e-003	0.7192	0.1896	4.1400e-003	0.1937		689.0048	689.0048	0.0154		689.3898
Total	**0.2986**	**0.7919**	**2.2850**	**8.5700e-003**	**0.7570**	**5.8700e-003**	**0.7629**	**0.2017**	**5.4500e-003**	**0.2072**		**865.0323**	**865.0323**	**0.0237**		**865.6240**

3.6 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5344	11.0364	8.5968	0.0114		0.0669	0.0669		0.0669	0.0669	0.0000	1,098.2007	1,098.2007	0.3552		1,107.0802
Total	**0.5344**	**11.0364**	**8.5968**	**0.0114**		**0.0669**	**0.0669**		**0.0669**	**0.0669**	**0.0000**	**1,098.2007**	**1,098.2007**	**0.3552**		**1,107.0802**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.5000e-004	8.3600e-003	1.7600e-003	2.0000e-005	1.6900e-003	3.0000e-005	1.7200e-003	4.3000e-004	3.0000e-005	4.6000e-004		2.6524	2.6524	1.3000e-004		2.6556
Vendor	0.0186	0.6201	0.1462	1.6400e-003	0.0406	1.3400e-003	0.0420	0.0117	1.2800e-003	0.0130		173.3751	173.3751	8.1400e-003		173.5786
Worker	0.2797	0.1635	2.1370	6.9100e-003	0.7147	4.5000e-003	0.7192	0.1896	4.1400e-003	0.1937		689.0048	689.0048	0.0154		689.3898
Total	**0.2986**	**0.7919**	**2.2850**	**8.5700e-003**	**0.7570**	**5.8700e-003**	**0.7629**	**0.2017**	**5.4500e-003**	**0.2072**		**865.0323**	**865.0323**	**0.0237**		**865.6240**

3.7 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830		1,296.8664	1,296.8664	0.4111		1,307.1442
Paving	0.3249					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0988**	**7.7422**	**8.8569**	**0.0135**		**0.4153**	**0.4153**		**0.3830**	**0.3830**		**1,296.8664**	**1,296.8664**	**0.4111**		**1,307.1442**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.3500e-003	0.3175	0.0669	9.4000e-004	0.0210	1.0000e-003	0.0220	5.7500e-003	9.5000e-004	6.7000e-003		100.7892	100.7892	5.0000e-003		100.9142
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0418	0.0244	0.3193	1.0300e-003	0.1068	6.7000e-004	0.1075	0.0283	6.2000e-004	0.0290		102.9547	102.9547	2.3000e-003		103.0123
Total	**0.0512**	**0.3420**	**0.3863**	**1.9700e-003**	**0.1278**	**1.6700e-003**	**0.1294**	**0.0341**	**1.5700e-003**	**0.0357**		**203.7439**	**203.7439**	**7.3000e-003**		**203.9265**

3.7 Paving - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5500	11.7418	9.8512	0.0135		0.0617	0.0617		0.0617	0.0617	0.0000	1,296.8664	1,296.8664	0.4111		1,307.1442
Paving	0.3249					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8748**	**11.7418**	**9.8512**	**0.0135**		**0.0617**	**0.0617**		**0.0617**	**0.0617**	**0.0000**	**1,296.8664**	**1,296.8664**	**0.4111**		**1,307.1442**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.3500e-003	0.3175	0.0669	9.4000e-004	0.0210	1.0000e-003	0.0220	5.7500e-003	9.5000e-004	6.7000e-003		100.7892	100.7892	5.0000e-003		100.9142
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0418	0.0244	0.3193	1.0300e-003	0.1068	6.7000e-004	0.1075	0.0283	6.2000e-004	0.0290		102.9547	102.9547	2.3000e-003		103.0123
Total	**0.0512**	**0.3420**	**0.3863**	**1.9700e-003**	**0.1278**	**1.6700e-003**	**0.1294**	**0.0341**	**1.5700e-003**	**0.0357**		**203.7439**	**203.7439**	**7.3000e-003**		**203.9265**

3.8 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	125.6317					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**125.8506**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.1200e-003	0.1058	0.0223	3.1000e-004	6.9900e-003	3.3000e-004	7.3200e-003	1.9200e-003	3.2000e-004	2.2300e-003		33.5964	33.5964	1.6700e-003		33.6381
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0547	0.0320	0.4176	1.3500e-003	0.1397	8.8000e-004	0.1405	0.0370	8.1000e-004	0.0379		134.6331	134.6331	3.0100e-003		134.7084
Total	**0.0578**	**0.1378**	**0.4399**	**1.6600e-003**	**0.1466**	**1.2100e-003**	**0.1479**	**0.0390**	**1.1300e-003**	**0.0401**		**168.2295**	**168.2295**	**4.6800e-003**		**168.3464**

3.8 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	125.6317					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**125.7456**	**2.3524**	**1.8324**	**2.9700e-003**		**0.0143**	**0.0143**		**0.0143**	**0.0143**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.1200e-003	0.1058	0.0223	3.1000e-004	6.9900e-003	3.3000e-004	7.3200e-003	1.9200e-003	3.2000e-004	2.2300e-003		33.5964	33.5964	1.6700e-003		33.6381
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0547	0.0320	0.4176	1.3500e-003	0.1397	8.8000e-004	0.1405	0.0370	8.1000e-004	0.0379		134.6331	134.6331	3.0100e-003		134.7084
Total	**0.0578**	**0.1378**	**0.4399**	**1.6600e-003**	**0.1466**	**1.2100e-003**	**0.1479**	**0.0390**	**1.1300e-003**	**0.0401**		**168.2295**	**168.2295**	**4.6800e-003**		**168.3464**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4020	1.7306	4.5819	0.0164	1.3704	0.0143	1.3847	0.3667	0.0134	0.3801		1,655.4713	1,655.4713	0.0573		1,656.9046
Unmitigated	0.4020	1.7306	4.5819	0.0164	1.3704	0.0143	1.3847	0.3667	0.0134	0.3801		1,655.4713	1,655.4713	0.0573		1,656.9046

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	220.93	220.93	220.93	645,015	645,015
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	220.93	220.93	220.93	645,015	645,015

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	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	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	0.575198	0.040076	0.193827	0.113296	0.016988	0.005361	0.017552	0.025197	0.002581	0.002349	0.005904	0.000881	0.000789
Other Asphalt Surfaces	0.575198	0.040076	0.193827	0.113296	0.016988	0.005361	0.017552	0.025197	0.002581	0.002349	0.005904	0.000881	0.000789
Parking Lot	0.575198	0.040076	0.193827	0.113296	0.016988	0.005361	0.017552	0.025197	0.002581	0.002349	0.005904	0.000881	0.000789

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1400	1.2727	1.0691	7.6400e-003		0.0967	0.0967		0.0967	0.0967		1,527.2426	1,527.2426	0.0293	0.0280	1,536.3182
NaturalGas Unmitigated	0.1400	1.2727	1.0691	7.6400e-003		0.0967	0.0967		0.0967	0.0967		1,527.2426	1,527.2426	0.0293	0.0280	1,536.3182

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	12981.6	0.1400	1.2727	1.0691	7.6400e-003		0.0967	0.0967		0.0967	0.0967		1,527.2426	1,527.2426	0.0293	0.0280	1,536.3182
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1400**	**1.2727**	**1.0691**	**7.6400e-003**		**0.0967**	**0.0967**		**0.0967**	**0.0967**		**1,527.2426**	**1,527.2426**	**0.0293**	**0.0280**	**1,536.3182**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	12.9816	0.1400	1.2727	1.0691	7.6400e-003		0.0967	0.0967		0.0967	0.0967		1,527.2426	1,527.2426	0.0293	0.0280	1,536.3182
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1400**	**1.2727**	**1.0691**	**7.6400e-003**		**0.0967**	**0.0967**		**0.0967**	**0.0967**		**1,527.2426**	**1,527.2426**	**0.0293**	**0.0280**	**1,536.3182**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.3717	1.9000e-004	0.0212	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0452	0.0452	1.2000e-004		0.0482
Unmitigated	4.3717	1.9000e-004	0.0212	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0452	0.0452	1.2000e-004		0.0482

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5163					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8534					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9800e-003	1.9000e-004	0.0212	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0452	0.0452	1.2000e-004		0.0482
Total	**4.3717**	**1.9000e-004**	**0.0212**	**0.0000**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**		**0.0452**	**0.0452**	**1.2000e-004**		**0.0482**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5163					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8534					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9800e-003	1.9000e-004	0.0212	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0452	0.0452	1.2000e-004		0.0482
Total	**4.3717**	**1.9000e-004**	**0.0212**	**0.0000**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**		**0.0452**	**0.0452**	**1.2000e-004**		**0.0482**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

San Jose Public Storage - Phase 1

Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	179.62	1000sqft	1.18	179,616.00	0
Other Asphalt Surfaces	21.40	1000sqft	0.49	21,400.00	0
Parking Lot	5.70	1000sqft	0.13	5,700.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2021
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	328.8	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

San Jose Public Storage - Phase 1 - Bay Area AQMD Air District, Winter

Project Characteristics - CO2 intensity based on 5-year average (PG&E, 2015)

Land Use - 1.8 acres to be disturbed during construction of Phase 1

Construction Phase - Total construction duration is approximately 12 months

Off-road Equipment - Default equipment

Off-road Equipment - Based on construction equipment list provided by the Applicant

Off-road Equipment - Based on construction equipment list provided by the Applicant

Off-road Equipment - Default equipment

Off-road Equipment - Default equipment

Off-road Equipment - Based on construction equipment list provided by the Applicant

Off-road Equipment - Based on construction equipment list provided by the Applicant

Trips and VMT - Assuming 20 - 30 workers on site on typical day and 2- 6 haul / deliveries per day

Demolition - demolish 34,457 sf during Phase I

Grading - 500 c.y. import

Vehicle Trips - Based on trip generation prepared for the proposed project

Construction Off-road Equipment Mitigation - Tier 2 construction equipment with level 3 diesel particulate filters

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3

tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2

San Jose Public Storage - Phase 1 - Bay Area AQMD Air District, Winter

tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	10.00	15.00
tblConstructionPhase	NumDays	200.00	190.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	4.00	10.00
tblConstructionPhase	NumDays	10.00	5.00
tblConstructionPhase	NumDays	2.00	20.00
tblGrading	AcresOfGrading	3.75	1.50
tblGrading	AcresOfGrading	10.00	1.00
tblGrading	MaterialImported	0.00	500.00
tblLandUse	LandUseSquareFeet	179,620.00	179,616.00
tblLandUse	LotAcreage	4.12	1.18
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	328.8
tblTripsAndVMT	HaulingTripNumber	157.00	6.00
tblTripsAndVMT	HaulingTripNumber	0.00	6.00
tblTripsAndVMT	HaulingTripNumber	49.00	6.00
tblTripsAndVMT	HaulingTripNumber	0.00	6.00

tblTripsAndVMT	HaulingTripNumber	0.00	6.00
tblTripsAndVMT	HaulingTripNumber	0.00	6.00
tblTripsAndVMT	HaulingTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	34.00	6.00
tblVehicleTrips	ST_TR	1.32	1.23
tblVehicleTrips	SU_TR	0.68	1.23
tblVehicleTrips	WD_TR	6.97	1.23

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	1.3843	15.2822	10.2380	0.0196	4.7518	0.6854	5.4372	2.5202	0.6306	3.1507	0.0000	1,929.1168	1,929.1168	0.4459	0.0000	1,938.6344
2021	125.9117	8.0973	9.9925	0.0193	0.7570	0.4170	1.0181	0.2017	0.3845	0.4420	0.0000	1,904.4814	1,904.4814	0.4185	0.0000	1,913.9435
Maximum	**125.9117**	**15.2822**	**10.2380**	**0.0196**	**4.7518**	**0.6854**	**5.4372**	**2.5202**	**0.6306**	**3.1507**	**0.0000**	**1,929.1168**	**1,929.1168**	**0.4459**	**0.0000**	**1,938.6344**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.8785	12.4602	10.9776	0.0196	2.1802	0.0750	2.2278	1.1452	0.0745	1.1928	0.0000	1,929.1168	1,929.1168	0.4459	0.0000	1,938.6344
2021	125.8067	12.0969	10.7661	0.0193	0.7570	0.0728	0.8298	0.2017	0.0724	0.2741	0.0000	1,904.4814	1,904.4814	0.4185	0.0000	1,913.9435
Maximum	**125.8067**	**12.4602**	**10.9776**	**0.0196**	**2.1802**	**0.0750**	**2.2278**	**1.1452**	**0.0745**	**1.1928**	**0.0000**	**1,929.1168**	**1,929.1168**	**0.4459**	**0.0000**	**1,938.6344**

	ROG	NOx	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	**0.48**	**-5.04**	**-7.48**	**0.00**	**46.68**	**86.59**	**52.63**	**50.51**	**85.53**	**59.17**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.3717	1.9000e-004	0.0212	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0452	0.0452	1.2000e-004		0.0482
Energy	0.1400	1.2727	1.0691	7.6400e-003		0.0967	0.0967		0.0967	0.0967		1,527.2426	1,527.2426	0.0293	0.0280	1,536.3182
Mobile	0.3528	1.8316	4.5420	0.0153	1.3704	0.0144	1.3848	0.3667	0.0135	0.3801		1,549.8444	1,549.8444	0.0579		1,551.2918
Total	**4.8644**	**3.1045**	**5.6322**	**0.0230**	**1.3704**	**0.1112**	**1.4816**	**0.3667**	**0.1103**	**0.4769**		**3,077.1322**	**3,077.1322**	**0.0873**	**0.0280**	**3,087.6583**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.3717	1.9000e-004	0.0212	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0452	0.0452	1.2000e-004		0.0482
Energy	0.1400	1.2727	1.0691	7.6400e-003		0.0967	0.0967		0.0967	0.0967		1,527.2426	1,527.2426	0.0293	0.0280	1,536.3182
Mobile	0.3528	1.8316	4.5420	0.0153	1.3704	0.0144	1.3848	0.3667	0.0135	0.3801		1,549.8444	1,549.8444	0.0579		1,551.2918
Total	**4.8644**	**3.1045**	**5.6322**	**0.0230**	**1.3704**	**0.1112**	**1.4816**	**0.3667**	**0.1103**	**0.4769**		**3,077.1322**	**3,077.1322**	**0.0873**	**0.0280**	**3,087.6583**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/6/2020	4/24/2020	5	15	
2	Site Preparation	Site Preparation	4/25/2020	5/22/2020	5	20	
3	Grading	Grading	5/23/2020	6/5/2020	5	10	
4	Trenching	Trenching	6/6/2020	6/19/2020	5	10	
5	Building Construction	Building Construction	6/20/2020	3/12/2021	5	190	
6	Paving	Paving	3/13/2021	3/19/2021	5	5	
7	Architectural Coating	Architectural Coating	3/20/2021	4/9/2021	5	15	

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0.62

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 269,424; Non-Residential Outdoor: 89,808; Striped Parking Area: 1,626 (Architectural Coating – sqft)

OffRoad Equipment

San Jose Public Storage - Phase 1 - Bay Area AQMD Air District, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Dumpers/Tenders	4	8.00	16	0.38
Demolition	Excavators	1	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Dumpers/Tenders	1	8.00	16	0.38
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	0	7.00	247	0.40
Site Preparation	Skid Steer Loaders	1	7.00	65	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Aerial Lifts	4	8.00	63	0.31
Building Construction	Cranes	0	6.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	4	10.00	0.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	1	3.00	0.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	87.00	6.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	17.00	0.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.2612	0.0000	2.2612	0.3424	0.0000	0.3424			0.0000			0.0000
Off-Road	0.7483	6.3776	6.5508	0.0113		0.3208	0.3208		0.3008	0.3008		1,044.6482	1,044.6482	0.2852		1,051.7779
Total	**0.7483**	**6.3776**	**6.5508**	**0.0113**	**2.2612**	**0.3208**	**2.5820**	**0.3424**	**0.3008**	**0.6431**		**1,044.6482**	**1,044.6482**	**0.2852**		**1,051.7779**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.3900e-003	0.1174	0.0245	3.1000e-004	6.9900e-003	3.8000e-004	7.3700e-003	1.9100e-003	3.6000e-004	2.2800e-003		33.4597	33.4597	1.7900e-003		33.5044
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0552	0.0390	0.3780	1.1400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		113.4098	113.4098	2.7700e-003		113.4792
Total	**0.0585**	**0.1564**	**0.4025**	**1.4500e-003**	**0.1302**	**1.1800e-003**	**0.1314**	**0.0346**	**1.1000e-003**	**0.0357**		**146.8696**	**146.8696**	**4.5600e-003**		**146.9836**

3.2 Demolition - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0175	0.0000	1.0175	0.1541	0.0000	0.1541			0.0000			0.0000
Off-Road	0.3468	7.4224	6.2601	0.0113		0.0386	0.0386		0.0386	0.0386	0.0000	1,044.6482	1,044.6482	0.2852		1,051.7779
Total	**0.3468**	**7.4224**	**6.2601**	**0.0113**	**1.0175**	**0.0386**	**1.0561**	**0.1541**	**0.0386**	**0.1926**	**0.0000**	**1,044.6482**	**1,044.6482**	**0.2852**		**1,051.7779**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.3900e-003	0.1174	0.0245	3.1000e-004	6.9900e-003	3.8000e-004	7.3700e-003	1.9100e-003	3.6000e-004	2.2800e-003		33.4597	33.4597	1.7900e-003		33.5044
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0552	0.0390	0.3780	1.1400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		113.4098	113.4098	2.7700e-003		113.4792
Total	**0.0585**	**0.1564**	**0.4025**	**1.4500e-003**	**0.1302**	**1.1800e-003**	**0.1314**	**0.0346**	**1.1000e-003**	**0.0357**		**146.8696**	**146.8696**	**4.5600e-003**		**146.9836**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0530	0.0000	0.0530	5.7300e-003	0.0000	5.7300e-003			0.0000			0.0000
Off-Road	0.8287	9.8252	5.5613	0.0123		0.3933	0.3933		0.3632	0.3632		1,179.5751	1,179.5751	0.3683		1,188.7834
Total	**0.8287**	**9.8252**	**5.5613**	**0.0123**	**0.0530**	**0.3933**	**0.4463**	**5.7300e-003**	**0.3632**	**0.3690**		**1,179.5751**	**1,179.5751**	**0.3683**		**1,188.7834**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.5400e-003	0.0880	0.0184	2.3000e-004	5.2400e-003	2.9000e-004	5.5300e-003	1.4400e-003	2.7000e-004	1.7100e-003		25.0948	25.0948	1.3400e-003		25.1283
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0368	0.0260	0.2520	7.6000e-004	0.0822	5.3000e-004	0.0827	0.0218	4.9000e-004	0.0223		75.6065	75.6065	1.8500e-003		75.6528
Total	**0.0393**	**0.1140**	**0.2704**	**9.9000e-004**	**0.0874**	**8.2000e-004**	**0.0882**	**0.0232**	**7.6000e-004**	**0.0240**		**100.7014**	**100.7014**	**3.1900e-003**		**100.7811**

3.3 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0239	0.0000	0.0239	2.5800e-003	0.0000	2.5800e-003			0.0000			0.0000
Off-Road	0.3932	10.3814	7.2311	0.0123		0.0468	0.0468		0.0468	0.0468	0.0000	1,179.5751	1,179.5751	0.3683		1,188.7834
Total	**0.3932**	**10.3814**	**7.2311**	**0.0123**	**0.0239**	**0.0468**	**0.0706**	**2.5800e-003**	**0.0468**	**0.0494**	**0.0000**	**1,179.5751**	**1,179.5751**	**0.3683**		**1,188.7834**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.5400e-003	0.0880	0.0184	2.3000e-004	5.2400e-003	2.9000e-004	5.5300e-003	1.4400e-003	2.7000e-004	1.7100e-003		25.0948	25.0948	1.3400e-003		25.1283
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0368	0.0260	0.2520	7.6000e-004	0.0822	5.3000e-004	0.0827	0.0218	4.9000e-004	0.0223		75.6065	75.6065	1.8500e-003		75.6528
Total	**0.0393**	**0.1140**	**0.2704**	**9.9000e-004**	**0.0874**	**8.2000e-004**	**0.0882**	**0.0232**	**7.6000e-004**	**0.0240**		**100.7014**	**100.7014**	**3.1900e-003**		**100.7811**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.6756	0.0000	4.6756	2.4999	0.0000	2.4999			0.0000			0.0000
Off-Road	1.3498	15.0854	6.4543	0.0141		0.6844	0.6844		0.6296	0.6296		1,365.7183	1,365.7183	0.4417		1,376.7609
Total	**1.3498**	**15.0854**	**6.4543**	**0.0141**	**4.6756**	**0.6844**	**5.3600**	**2.4999**	**0.6296**	**3.1295**		**1,365.7183**	**1,365.7183**	**0.4417**		**1,376.7609**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.0900e-003	0.1761	0.0368	4.7000e-004	0.0105	5.7000e-004	0.0111	2.8700e-003	5.5000e-004	3.4200e-003		50.1896	50.1896	2.6800e-003		50.2567
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0294	0.0208	0.2016	6.1000e-004	0.0657	4.3000e-004	0.0661	0.0174	3.9000e-004	0.0178		60.4852	60.4852	1.4800e-003		60.5222
Total	**0.0345**	**0.1969**	**0.2384**	**1.0800e-003**	**0.0762**	**1.0000e-003**	**0.0772**	**0.0203**	**9.4000e-004**	**0.0212**		**110.6748**	**110.6748**	**4.1600e-003**		**110.7789**

3.4 Grading - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.1040	0.0000	2.1040	1.1249	0.0000	1.1249			0.0000			0.0000
Off-Road	0.4059	12.2633	8.0841	0.0141		0.0466	0.0466		0.0466	0.0466	0.0000	1,365.7183	1,365.7183	0.4417		1,376.7609
Total	**0.4059**	**12.2633**	**8.0841**	**0.0141**	**2.1040**	**0.0466**	**2.1506**	**1.1249**	**0.0466**	**1.1715**	**0.0000**	**1,365.7183**	**1,365.7183**	**0.4417**		**1,376.7609**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.0900e-003	0.1761	0.0368	4.7000e-004	0.0105	5.7000e-004	0.0111	2.8700e-003	5.5000e-004	3.4200e-003		50.1896	50.1896	2.6800e-003		50.2567
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0294	0.0208	0.2016	6.1000e-004	0.0657	4.3000e-004	0.0661	0.0174	3.9000e-004	0.0178		60.4852	60.4852	1.4800e-003		60.5222
Total	**0.0345**	**0.1969**	**0.2384**	**1.0800e-003**	**0.0762**	**1.0000e-003**	**0.0772**	**0.0203**	**9.4000e-004**	**0.0212**		**110.6748**	**110.6748**	**4.1600e-003**		**110.7789**

3.5 Trenching - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2095	2.1052	2.2797	3.1100e-003		0.1331	0.1331		0.1225	0.1225		300.7685	300.7685	0.0973		303.2004
Total	**0.2095**	**2.1052**	**2.2797**	**3.1100e-003**		**0.1331**	**0.1331**		**0.1225**	**0.1225**		**300.7685**	**300.7685**	**0.0973**		**303.2004**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.0900e-003	0.1761	0.0368	4.7000e-004	0.0105	5.7000e-004	0.0111	2.8700e-003	5.5000e-004	3.4200e-003		50.1896	50.1896	2.6800e-003		50.2567
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0110	7.8000e-003	0.0756	2.3000e-004	0.0246	1.6000e-004	0.0248	6.5400e-003	1.5000e-004	6.6800e-003		22.6820	22.6820	5.5000e-004		22.6958
Total	**0.0161**	**0.1839**	**0.1124**	**7.0000e-004**	**0.0351**	**7.3000e-004**	**0.0359**	**9.4100e-003**	**7.0000e-004**	**0.0101**		**72.8716**	**72.8716**	**3.2300e-003**		**72.9525**

3.5 Trenching - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1456	3.0067	2.3421	3.1100e-003		0.0182	0.0182		0.0182	0.0182	0.0000	300.7685	300.7685	0.0973		303.2004
Total	**0.1456**	**3.0067**	**2.3421**	**3.1100e-003**		**0.0182**	**0.0182**		**0.0182**	**0.0182**	**0.0000**	**300.7685**	**300.7685**	**0.0973**		**303.2004**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.0900e-003	0.1761	0.0368	4.7000e-004	0.0105	5.7000e-004	0.0111	2.8700e-003	5.5000e-004	3.4200e-003		50.1896	50.1896	2.6800e-003		50.2567
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0110	7.8000e-003	0.0756	2.3000e-004	0.0246	1.6000e-004	0.0248	6.5400e-003	1.5000e-004	6.6800e-003		22.6820	22.6820	5.5000e-004		22.6958
Total	**0.0161**	**0.1839**	**0.1124**	**7.0000e-004**	**0.0351**	**7.3000e-004**	**0.0359**	**9.4100e-003**	**7.0000e-004**	**0.0101**		**72.8716**	**72.8716**	**3.2300e-003**		**72.9525**

3.6 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5315	6.0997	7.8572	0.0113		0.3021	0.3021		0.2780	0.2780		1,098.1020	1,098.1020	0.3552		1,106.9807
Total	**0.5315**	**6.0997**	**7.8572**	**0.0113**		**0.3021**	**0.3021**		**0.2780**	**0.2780**		**1,098.1020**	**1,098.1020**	**0.3552**		**1,106.9807**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.7000e-004	9.2700e-003	1.9400e-003	2.0000e-005	7.0000e-004	3.0000e-005	7.3000e-004	1.9000e-004	3.0000e-005	2.2000e-004		2.6416	2.6416	1.4000e-004		2.6451
Vendor	0.0239	0.6914	0.1866	1.6100e-003	0.0406	3.4100e-003	0.0440	0.0117	3.2600e-003	0.0150		170.5964	170.5964	9.3200e-003		170.8294
Worker	0.3199	0.2262	2.1923	6.6000e-003	0.7147	4.6300e-003	0.7193	0.1896	4.2600e-003	0.1938		657.7769	657.7769	0.0161		658.1791
Total	**0.3441**	**0.9269**	**2.3808**	**8.2300e-003**	**0.7560**	**8.0700e-003**	**0.7641**	**0.2015**	**7.5500e-003**	**0.2090**		**831.0148**	**831.0148**	**0.0256**		**831.6536**

3.6 Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5344	11.0364	8.5968	0.0113		0.0669	0.0669		0.0669	0.0669	0.0000	1,098.1020	1,098.1020	0.3552		1,106.9807
Total	**0.5344**	**11.0364**	**8.5968**	**0.0113**		**0.0669**	**0.0669**		**0.0669**	**0.0669**	**0.0000**	**1,098.1020**	**1,098.1020**	**0.3552**		**1,106.9807**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.7000e-004	9.2700e-003	1.9400e-003	2.0000e-005	7.0000e-004	3.0000e-005	7.3000e-004	1.9000e-004	3.0000e-005	2.2000e-004		2.6416	2.6416	1.4000e-004		2.6451
Vendor	0.0239	0.6914	0.1866	1.6100e-003	0.0406	3.4100e-003	0.0440	0.0117	3.2600e-003	0.0150		170.5964	170.5964	9.3200e-003		170.8294
Worker	0.3199	0.2262	2.1923	6.6000e-003	0.7147	4.6300e-003	0.7193	0.1896	4.2600e-003	0.1938		657.7769	657.7769	0.0161		658.1791
Total	**0.3441**	**0.9269**	**2.3808**	**8.2300e-003**	**0.7560**	**8.0700e-003**	**0.7641**	**0.2015**	**7.5500e-003**	**0.2090**		**831.0148**	**831.0148**	**0.0256**		**831.6536**

3.6 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4844	5.5930	7.8232	0.0114		0.2552	0.2552		0.2348	0.2348		1,098.2007	1,098.2007	0.3552		1,107.0802
Total	**0.4844**	**5.5930**	**7.8232**	**0.0114**		**0.2552**	**0.2552**		**0.2348**	**0.2348**		**1,098.2007**	**1,098.2007**	**0.3552**		**1,107.0802**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.5000e-004	8.5500e-003	1.8900e-003	2.0000e-005	1.6900e-003	3.0000e-005	1.7200e-003	4.3000e-004	3.0000e-005	4.6000e-004		2.6075	2.6075	1.4000e-004		2.6110
Vendor	0.0197	0.6254	0.1681	1.6000e-003	0.0406	1.3900e-003	0.0420	0.0117	1.3300e-003	0.0130		168.9763	168.9763	8.8000e-003		169.1964
Worker	0.2963	0.2019	1.9994	6.3700e-003	0.7147	4.5000e-003	0.7192	0.1896	4.1400e-003	0.1937		634.6969	634.6969	0.0144		635.0559
Total	**0.3163**	**0.8359**	**2.1693**	**7.9900e-003**	**0.7570**	**5.9200e-003**	**0.7629**	**0.2017**	**5.5000e-003**	**0.2072**		**806.2807**	**806.2807**	**0.0233**		**806.8633**

3.6 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5344	11.0364	8.5968	0.0114		0.0669	0.0669		0.0669	0.0669	0.0000	1,098.2007	1,098.2007	0.3552		1,107.0802
Total	**0.5344**	**11.0364**	**8.5968**	**0.0114**		**0.0669**	**0.0669**		**0.0669**	**0.0669**	**0.0000**	**1,098.2007**	**1,098.2007**	**0.3552**		**1,107.0802**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.5000e-004	8.5500e-003	1.8900e-003	2.0000e-005	1.6900e-003	3.0000e-005	1.7200e-003	4.3000e-004	3.0000e-005	4.6000e-004		2.6075	2.6075	1.4000e-004		2.6110
Vendor	0.0197	0.6254	0.1681	1.6000e-003	0.0406	1.3900e-003	0.0420	0.0117	1.3300e-003	0.0130		168.9763	168.9763	8.8000e-003		169.1964
Worker	0.2963	0.2019	1.9994	6.3700e-003	0.7147	4.5000e-003	0.7192	0.1896	4.1400e-003	0.1937		634.6969	634.6969	0.0144		635.0559
Total	**0.3163**	**0.8359**	**2.1693**	**7.9900e-003**	**0.7570**	**5.9200e-003**	**0.7629**	**0.2017**	**5.5000e-003**	**0.2072**		**806.2807**	**806.2807**	**0.0233**		**806.8633**

3.7 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7739	7.7422	8.8569	0.0135		0.4153	0.4153		0.3830	0.3830		1,296.8664	1,296.8664	0.4111		1,307.1442
Paving	0.3249					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0988**	**7.7422**	**8.8569**	**0.0135**		**0.4153**	**0.4153**		**0.3830**	**0.3830**		**1,296.8664**	**1,296.8664**	**0.4111**		**1,307.1442**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.6000e-003	0.3249	0.0719	9.3000e-004	0.0210	1.0100e-003	0.0220	5.7500e-003	9.7000e-004	6.7100e-003		99.0853	99.0853	5.2400e-003		99.2164
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0302	0.2988	9.5000e-004	0.1068	6.7000e-004	0.1075	0.0283	6.2000e-004	0.0290		94.8398	94.8398	2.1500e-003		94.8934
Total	**0.0539**	**0.3551**	**0.3706**	**1.8800e-003**	**0.1278**	**1.6800e-003**	**0.1294**	**0.0341**	**1.5900e-003**	**0.0357**		**193.9250**	**193.9250**	**7.3900e-003**		**194.1098**

3.7 Paving - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5500	11.7418	9.8512	0.0135		0.0617	0.0617		0.0617	0.0617	0.0000	1,296.8664	1,296.8664	0.4111		1,307.1442
Paving	0.3249					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8748**	**11.7418**	**9.8512**	**0.0135**		**0.0617**	**0.0617**		**0.0617**	**0.0617**	**0.0000**	**1,296.8664**	**1,296.8664**	**0.4111**		**1,307.1442**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.6000e-003	0.3249	0.0719	9.3000e-004	0.0210	1.0100e-003	0.0220	5.7500e-003	9.7000e-004	6.7100e-003		99.0853	99.0853	5.2400e-003		99.2164
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0443	0.0302	0.2988	9.5000e-004	0.1068	6.7000e-004	0.1075	0.0283	6.2000e-004	0.0290		94.8398	94.8398	2.1500e-003		94.8934
Total	**0.0539**	**0.3551**	**0.3706**	**1.8800e-003**	**0.1278**	**1.6800e-003**	**0.1294**	**0.0341**	**1.5900e-003**	**0.0357**		**193.9250**	**193.9250**	**7.3900e-003**		**194.1098**

3.8 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	125.6317					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**125.8506**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.2000e-003	0.1083	0.0240	3.1000e-004	6.9900e-003	3.4000e-004	7.3300e-003	1.9200e-003	3.2000e-004	2.2400e-003		33.0284	33.0284	1.7500e-003		33.0721
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0579	0.0395	0.3907	1.2400e-003	0.1397	8.8000e-004	0.1405	0.0370	8.1000e-004	0.0379		124.0212	124.0212	2.8100e-003		124.0914
Total	**0.0611**	**0.1478**	**0.4146**	**1.5500e-003**	**0.1466**	**1.2200e-003**	**0.1479**	**0.0390**	**1.1300e-003**	**0.0401**		**157.0497**	**157.0497**	**4.5600e-003**		**157.1635**

3.8 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	125.6317					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**125.7456**	**2.3524**	**1.8324**	**2.9700e-003**		**0.0143**	**0.0143**		**0.0143**	**0.0143**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.2000e-003	0.1083	0.0240	3.1000e-004	6.9900e-003	3.4000e-004	7.3300e-003	1.9200e-003	3.2000e-004	2.2400e-003		33.0284	33.0284	1.7500e-003		33.0721
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0579	0.0395	0.3907	1.2400e-003	0.1397	8.8000e-004	0.1405	0.0370	8.1000e-004	0.0379		124.0212	124.0212	2.8100e-003		124.0914
Total	**0.0611**	**0.1478**	**0.4146**	**1.5500e-003**	**0.1466**	**1.2200e-003**	**0.1479**	**0.0390**	**1.1300e-003**	**0.0401**		**157.0497**	**157.0497**	**4.5600e-003**		**157.1635**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3528	1.8316	4.5420	0.0153	1.3704	0.0144	1.3848	0.3667	0.0135	0.3801		1,549.8444	1,549.8444	0.0579		1,551.2918
Unmitigated	0.3528	1.8316	4.5420	0.0153	1.3704	0.0144	1.3848	0.3667	0.0135	0.3801		1,549.8444	1,549.8444	0.0579		1,551.2918

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	220.93	220.93	220.93	645,015	645,015
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	220.93	220.93	220.93	645,015	645,015

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	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	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	0.575198	0.040076	0.193827	0.113296	0.016988	0.005361	0.017552	0.025197	0.002581	0.002349	0.005904	0.000881	0.000789
Other Asphalt Surfaces	0.575198	0.040076	0.193827	0.113296	0.016988	0.005361	0.017552	0.025197	0.002581	0.002349	0.005904	0.000881	0.000789
Parking Lot	0.575198	0.040076	0.193827	0.113296	0.016988	0.005361	0.017552	0.025197	0.002581	0.002349	0.005904	0.000881	0.000789

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1400	1.2727	1.0691	7.6400e-003		0.0967	0.0967		0.0967	0.0967		1,527.2426	1,527.2426	0.0293	0.0280	1,536.3182
NaturalGas Unmitigated	0.1400	1.2727	1.0691	7.6400e-003		0.0967	0.0967		0.0967	0.0967		1,527.2426	1,527.2426	0.0293	0.0280	1,536.3182

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	12981.6	0.1400	1.2727	1.0691	7.6400e-003		0.0967	0.0967		0.0967	0.0967		1,527.2426	1,527.2426	0.0293	0.0280	1,536.3182
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1400**	**1.2727**	**1.0691**	**7.6400e-003**		**0.0967**	**0.0967**		**0.0967**	**0.0967**		**1,527.2426**	**1,527.2426**	**0.0293**	**0.0280**	**1,536.3182**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	12.9816	0.1400	1.2727	1.0691	7.6400e-003		0.0967	0.0967		0.0967	0.0967		1,527.2426	1,527.2426	0.0293	0.0280	1,536.3182
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1400**	**1.2727**	**1.0691**	**7.6400e-003**		**0.0967**	**0.0967**		**0.0967**	**0.0967**		**1,527.2426**	**1,527.2426**	**0.0293**	**0.0280**	**1,536.3182**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.3717	1.9000e-004	0.0212	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0452	0.0452	1.2000e-004		0.0482
Unmitigated	4.3717	1.9000e-004	0.0212	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0452	0.0452	1.2000e-004		0.0482

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5163					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8534					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9800e-003	1.9000e-004	0.0212	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0452	0.0452	1.2000e-004		0.0482
Total	**4.3717**	**1.9000e-004**	**0.0212**	**0.0000**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**		**0.0452**	**0.0452**	**1.2000e-004**		**0.0482**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5163					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8534					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9800e-003	1.9000e-004	0.0212	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0452	0.0452	1.2000e-004		0.0482
Total	**4.3717**	**1.9000e-004**	**0.0212**	**0.0000**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**		**0.0452**	**0.0452**	**1.2000e-004**		**0.0482**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

San Jose Public Storage - Phase 2

Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	179.62	1000sqft	1.30	179,616.00	0
Other Asphalt Surfaces	24.10	1000sqft	0.55	24,100.00	0
Parking Lot	6.50	1000sqft	0.15	6,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2023
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	328.8	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 intensity based on 5-year average (PG&E, 2015)

Land Use - 2.0 acres to be disturbed during construction of Phase 1

Construction Phase - Total construction duration is approximately 12 months

Off-road Equipment - Default equipment

Off-road Equipment - Based on construction equipment list provided by the Applicant

Off-road Equipment - Based on construction equipment list provided by the Applicant

Off-road Equipment - Default equipment

Off-road Equipment - Default equipment

Off-road Equipment - Based on construction equipment list provided by the Applicant

Off-road Equipment - Based on construction equipment list provided by the Applicant

Trips and VMT - Assuming 20 - 30 workers on site on typical day and 2- 6 haul / deliveries per day

Demolition - demolish 31,081 sf during Phase I

Grading - 575 c.y. import

Vehicle Trips - Based on trip generation prepared for the proposed project

Construction Off-road Equipment Mitigation - Tier 2 construction equipment with level 3 diesel particulate filters

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3

tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2

San Jose Public Storage - Phase 2 - Bay Area AQMD Air District, Annual

tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	10.00	15.00
tblConstructionPhase	NumDays	200.00	190.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	4.00	10.00
tblConstructionPhase	NumDays	10.00	5.00
tblConstructionPhase	NumDays	2.00	20.00
tblGrading	AcresOfGrading	5.00	2.00
tblGrading	AcresOfGrading	10.00	3.00
tblGrading	MaterialImported	0.00	575.00
tblLandUse	LandUseSquareFeet	179,620.00	179,616.00
tblLandUse	LotAcreage	4.12	1.30
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	328.8
tblTripsAndVMT	HaulingTripNumber	141.00	6.00
tblTripsAndVMT	HaulingTripNumber	57.00	6.00
tblTripsAndVMT	HaulingTripNumber	0.00	6.00
tblTripsAndVMT	HaulingTripNumber	0.00	6.00
tblTripsAndVMT	HaulingTripNumber	0.00	6.00

tblTripsAndVMT	HaulingTripNumber	0.00	6.00
tblTripsAndVMT	HaulingTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	34.00	6.00
tblTripsAndVMT	WorkerTripNumber	15.00	60.00
tblTripsAndVMT	WorkerTripNumber	10.00	60.00
tblTripsAndVMT	WorkerTripNumber	10.00	60.00
tblTripsAndVMT	WorkerTripNumber	3.00	60.00
tblTripsAndVMT	WorkerTripNumber	88.00	60.00
tblTripsAndVMT	WorkerTripNumber	15.00	60.00
tblTripsAndVMT	WorkerTripNumber	18.00	60.00
tblVehicleTrips	ST_TR	1.32	1.23
tblVehicleTrips	SU_TR	0.68	1.23
tblVehicleTrips	WD_TR	6.97	1.23

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					
2022	0.0286	0.2507	0.2412	5.4000e-004	0.0639	0.0103	0.0742	0.0234	9.4900e-003	0.0329	0.0000	47.4838	47.4838	0.0106	0.0000	47.7493
2023	1.0037	0.5310	0.8929	1.6800e-003	0.0511	0.0197	0.0708	0.0137	0.0182	0.0319	0.0000	149.7652	149.7652	0.0327	0.0000	150.5813
Maximum	**1.0037**	**0.5310**	**0.8929**	**1.6800e-003**	**0.0639**	**0.0197**	**0.0742**	**0.0234**	**0.0182**	**0.0329**	**0.0000**	**149.7652**	**149.7652**	**0.0327**	**0.0000**	**150.5813**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0189	0.3305	0.2768	5.4000e-004	0.0375	1.6600e-003	0.0391	0.0128	1.6500e-003	0.0145	0.0000	47.4837	47.4837	0.0106	0.0000	47.7493
2023	1.0136	1.1364	0.9721	1.6800e-003	0.0511	6.8900e-003	0.0580	0.0137	6.8600e-003	0.0205	0.0000	149.7650	149.7650	0.0327	0.0000	150.5812
Maximum	**1.0136**	**1.1364**	**0.9721**	**1.6800e-003**	**0.0511**	**6.8900e-003**	**0.0580**	**0.0137**	**6.8600e-003**	**0.0205**	**0.0000**	**149.7650**	**149.7650**	**0.0327**	**0.0000**	**150.5812**

	ROG	NOx	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	**-0.02**	**-87.67**	**-10.12**	**0.00**	**22.99**	**71.49**	**33.01**	**28.42**	**69.27**	**45.88**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	10-3-2022	1-2-2023	0.2825	0.3582
2	1-3-2023	4-2-2023	0.1980	0.4091
3	4-3-2023	7-2-2023	0.1991	0.4125
4	7-3-2023	9-30-2023	0.8579	1.0397
		Highest	0.8579	1.0397

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	0.7979	2.0000e-005	1.9300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7600e-003	3.7600e-003	1.0000e-005	0.0000	4.0000e-003
Energy	0.0256	0.2323	0.1951	1.3900e-003		0.0177	0.0177		0.0177	0.0177	0.0000	474.4615	474.4615	0.0244	8.6800e-003	477.6578
Mobile	0.0550	0.2511	0.6812	2.6400e-003	0.2400	2.1400e-003	0.2422	0.0644	2.0000e-003	0.0664	0.0000	242.6886	242.6886	8.0700e-003	0.0000	242.8903
Waste						0.0000	0.0000		0.0000	0.0000	45.2122	0.0000	45.2122	2.6720	0.0000	112.0113
Water						0.0000	0.0000		0.0000	0.0000	13.1778	33.5206	46.6984	1.3564	0.0326	90.3155
Total	**0.8784**	**0.4834**	**0.8783**	**4.0300e-003**	**0.2400**	**0.0198**	**0.2598**	**0.0644**	**0.0197**	**0.0841**	**58.3900**	**750.6744**	**809.0644**	**4.0609**	**0.0413**	**922.8789**

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	0.7979	2.0000e-005	1.9300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7600e-003	3.7600e-003	1.0000e-005	0.0000	4.0000e-003
Energy	0.0256	0.2323	0.1951	1.3900e-003		0.0177	0.0177		0.0177	0.0177	0.0000	474.4615	474.4615	0.0244	8.6800e-003	477.6578
Mobile	0.0550	0.2511	0.6812	2.6400e-003	0.2400	2.1400e-003	0.2422	0.0644	2.0000e-003	0.0664	0.0000	242.6886	242.6886	8.0700e-003	0.0000	242.8903
Waste						0.0000	0.0000		0.0000	0.0000	45.2122	0.0000	45.2122	2.6720	0.0000	112.0113
Water						0.0000	0.0000		0.0000	0.0000	13.1778	33.5206	46.6984	1.3564	0.0326	90.3155
Total	**0.8784**	**0.4834**	**0.8783**	**4.0300e-003**	**0.2400**	**0.0198**	**0.2598**	**0.0644**	**0.0197**	**0.0841**	**58.3900**	**750.6744**	**809.0644**	**4.0609**	**0.0413**	**922.8789**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

San Jose Public Storage - Phase 2 - Bay Area AQMD Air District, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/3/2022	10/21/2022	5	15	
2	Site Preparation	Site Preparation	10/22/2022	11/18/2022	5	20	
3	Grading	Grading	11/19/2022	12/2/2022	5	10	
4	Trenching	Trenching	12/3/2022	12/16/2022	5	10	
5	Building Construction	Building Construction	12/17/2022	9/8/2023	5	190	
6	Paving	Paving	9/9/2023	9/15/2023	5	5	
7	Architectural Coating	Architectural Coating	9/16/2023	10/6/2023	5	15	

Acres of Grading (Site Preparation Phase): 3

Acres of Grading (Grading Phase): 2

Acres of Paving: 0.7

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 269,424; Non-Residential Outdoor: 89,808; Striped Parking Area: 1,836 (Architectural Coating – sqft)

OffRoad Equipment

San Jose Public Storage - Phase 2 - Bay Area AQMD Air District, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Dumpers/Tenders	4	8.00	16	0.38
Demolition	Excavators	1	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Dumpers/Tenders	1	8.00	16	0.38
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	0	8.00	367	0.48
Site Preparation	Skid Steer Loaders	1	8.00	65	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Aerial Lifts	4	8.00	63	0.31
Building Construction	Cranes	0	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	60.00	0.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	4	60.00	0.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	60.00	0.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	1	60.00	0.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	60.00	6.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	60.00	0.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	60.00	0.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0153	0.0000	0.0153	2.3200e-003	0.0000	2.3200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.9600e-003	0.0398	0.0487	8.0000e-005		1.8400e-003	1.8400e-003		1.7400e-003	1.7400e-003	0.0000	7.1102	7.1102	1.9400e-003	0.0000	7.1587
Total	**4.9600e-003**	**0.0398**	**0.0487**	**8.0000e-005**	**0.0153**	**1.8400e-003**	**0.0171**	**2.3200e-003**	**1.7400e-003**	**4.0600e-003**	**0.0000**	**7.1102**	**7.1102**	**1.9400e-003**	**0.0000**	**7.1587**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	7.4000e-004	1.7000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.2239	0.2239	1.0000e-005	0.0000	0.2242
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2900e-003	8.5000e-004	9.2800e-003	3.0000e-005	3.5600e-003	2.0000e-005	3.5800e-003	9.5000e-004	2.0000e-005	9.7000e-004	0.0000	2.8958	2.8958	6.0000e-005	0.0000	2.8973
Total	**1.3100e-003**	**1.5900e-003**	**9.4500e-003**	**3.0000e-005**	**3.6100e-003**	**2.0000e-005**	**3.6300e-003**	**9.6000e-004**	**2.0000e-005**	**9.9000e-004**	**0.0000**	**3.1196**	**3.1196**	**7.0000e-005**	**0.0000**	**3.1214**

3.2 Demolition - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					6.8800e-003	0.0000	6.8800e-003	1.0400e-003	0.0000	1.0400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6000e-003	0.0557	0.0470	8.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004	0.0000	7.1102	7.1102	1.9400e-003	0.0000	7.1587
Total	**2.6000e-003**	**0.0557**	**0.0470**	**8.0000e-005**	**6.8800e-003**	**2.9000e-004**	**7.1700e-003**	**1.0400e-003**	**2.9000e-004**	**1.3300e-003**	**0.0000**	**7.1102**	**7.1102**	**1.9400e-003**	**0.0000**	**7.1587**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	7.4000e-004	1.7000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.2239	0.2239	1.0000e-005	0.0000	0.2242
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2900e-003	8.5000e-004	9.2800e-003	3.0000e-005	3.5600e-003	2.0000e-005	3.5800e-003	9.5000e-004	2.0000e-005	9.7000e-004	0.0000	2.8958	2.8958	6.0000e-005	0.0000	2.8973
Total	**1.3100e-003**	**1.5900e-003**	**9.4500e-003**	**3.0000e-005**	**3.6100e-003**	**2.0000e-005**	**3.6300e-003**	**9.6000e-004**	**2.0000e-005**	**9.9000e-004**	**0.0000**	**3.1196**	**3.1196**	**7.0000e-005**	**0.0000**	**3.1214**

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.5900e-003	0.0000	1.5900e-003	1.7000e-004	0.0000	1.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.0200e-003	0.0812	0.0532	1.2000e-004		2.9800e-003	2.9800e-003		2.7500e-003	2.7500e-003	0.0000	10.5795	10.5795	3.3000e-003	0.0000	10.6621
Total	**7.0200e-003**	**0.0812**	**0.0532**	**1.2000e-004**	**1.5900e-003**	**2.9800e-003**	**4.5700e-003**	**1.7000e-004**	**2.7500e-003**	**2.9200e-003**	**0.0000**	**10.5795**	**10.5795**	**3.3000e-003**	**0.0000**	**10.6621**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	7.4000e-004	1.7000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.2239	0.2239	1.0000e-005	0.0000	0.2242
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7200e-003	1.1400e-003	0.0124	4.0000e-005	4.7400e-003	3.0000e-005	4.7700e-003	1.2600e-003	3.0000e-005	1.2900e-003	0.0000	3.8610	3.8610	8.0000e-005	0.0000	3.8630
Total	**1.7400e-003**	**1.8800e-003**	**0.0125**	**4.0000e-005**	**4.7900e-003**	**3.0000e-005**	**4.8200e-003**	**1.2700e-003**	**3.0000e-005**	**1.3100e-003**	**0.0000**	**4.0849**	**4.0849**	**9.0000e-005**	**0.0000**	**4.0872**

3.3 Site Preparation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.2000e-004	0.0000	7.2000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8700e-003	0.1026	0.0714	1.2000e-004		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004	0.0000	10.5795	10.5795	3.3000e-003	0.0000	10.6621
Total	**3.8700e-003**	**0.1026**	**0.0714**	**1.2000e-004**	**7.2000e-004**	**4.6000e-004**	**1.1800e-003**	**8.0000e-005**	**4.6000e-004**	**5.4000e-004**	**0.0000**	**10.5795**	**10.5795**	**3.3000e-003**	**0.0000**	**10.6621**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	7.4000e-004	1.7000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.2239	0.2239	1.0000e-005	0.0000	0.2242
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7200e-003	1.1400e-003	0.0124	4.0000e-005	4.7400e-003	3.0000e-005	4.7700e-003	1.2600e-003	3.0000e-005	1.2900e-003	0.0000	3.8610	3.8610	8.0000e-005	0.0000	3.8630
Total	**1.7400e-003**	**1.8800e-003**	**0.0125**	**4.0000e-005**	**4.7900e-003**	**3.0000e-005**	**4.8200e-003**	**1.2700e-003**	**3.0000e-005**	**1.3100e-003**	**0.0000**	**4.0849**	**4.0849**	**9.0000e-005**	**0.0000**	**4.0872**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0312	0.0000	0.0312	0.0167	0.0000	0.0167	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7000e-003	0.0849	0.0461	1.0000e-004		3.7100e-003	3.7100e-003		3.4100e-003	3.4100e-003	0.0000	9.0514	9.0514	2.9300e-003	0.0000	9.1245
Total	**7.7000e-003**	**0.0849**	**0.0461**	**1.0000e-004**	**0.0312**	**3.7100e-003**	**0.0349**	**0.0167**	**3.4100e-003**	**0.0201**	**0.0000**	**9.0514**	**9.0514**	**2.9300e-003**	**0.0000**	**9.1245**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	7.4000e-004	1.7000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.2239	0.2239	1.0000e-005	0.0000	0.2242
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.6000e-004	5.7000e-004	6.1800e-003	2.0000e-005	2.3700e-003	2.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	1.9305	1.9305	4.0000e-005	0.0000	1.9315
Total	**8.8000e-004**	**1.3100e-003**	**6.3500e-003**	**2.0000e-005**	**2.4200e-003**	**2.0000e-005**	**2.4400e-003**	**6.4000e-004**	**1.0000e-005**	**6.6000e-004**	**0.0000**	**2.1544**	**2.1544**	**5.0000e-005**	**0.0000**	**2.1557**

3.4 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0140	0.0000	0.0140	7.5000e-003	0.0000	7.5000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1300e-003	0.0905	0.0607	1.0000e-004		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	9.0514	9.0514	2.9300e-003	0.0000	9.1245
Total	**3.1300e-003**	**0.0905**	**0.0607**	**1.0000e-004**	**0.0140**	**3.6000e-004**	**0.0144**	**7.5000e-003**	**3.6000e-004**	**7.8600e-003**	**0.0000**	**9.0514**	**9.0514**	**2.9300e-003**	**0.0000**	**9.1245**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	7.4000e-004	1.7000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.2239	0.2239	1.0000e-005	0.0000	0.2242
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.6000e-004	5.7000e-004	6.1800e-003	2.0000e-005	2.3700e-003	2.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	1.9305	1.9305	4.0000e-005	0.0000	1.9315
Total	**8.8000e-004**	**1.3100e-003**	**6.3500e-003**	**2.0000e-005**	**2.4200e-003**	**2.0000e-005**	**2.4400e-003**	**6.4000e-004**	**1.0000e-005**	**6.6000e-004**	**0.0000**	**2.1544**	**2.1544**	**5.0000e-005**	**0.0000**	**2.1557**

3.5 Trenching - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.2000e-004	8.3800e-003	0.0112	2.0000e-005		4.5000e-004	4.5000e-004		4.1000e-004	4.1000e-004	0.0000	1.3664	1.3664	4.4000e-004	0.0000	1.3774
Total	**8.2000e-004**	**8.3800e-003**	**0.0112**	**2.0000e-005**		**4.5000e-004**	**4.5000e-004**		**4.1000e-004**	**4.1000e-004**	**0.0000**	**1.3664**	**1.3664**	**4.4000e-004**	**0.0000**	**1.3774**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	7.4000e-004	1.7000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.2239	0.2239	1.0000e-005	0.0000	0.2242
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.6000e-004	5.7000e-004	6.1800e-003	2.0000e-005	2.3700e-003	2.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	1.9305	1.9305	4.0000e-005	0.0000	1.9315
Total	**8.8000e-004**	**1.3100e-003**	**6.3500e-003**	**2.0000e-005**	**2.4200e-003**	**2.0000e-005**	**2.4400e-003**	**6.4000e-004**	**1.0000e-005**	**6.6000e-004**	**0.0000**	**2.1544**	**2.1544**	**5.0000e-005**	**0.0000**	**2.1557**

3.5 Trenching - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.3000e-004	0.0150	0.0117	2.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	1.3664	1.3664	4.4000e-004	0.0000	1.3774
Total	**7.3000e-004**	**0.0150**	**0.0117**	**2.0000e-005**		**9.0000e-005**	**9.0000e-005**		**9.0000e-005**	**9.0000e-005**	**0.0000**	**1.3664**	**1.3664**	**4.4000e-004**	**0.0000**	**1.3774**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	7.4000e-004	1.7000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.2239	0.2239	1.0000e-005	0.0000	0.2242
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.6000e-004	5.7000e-004	6.1800e-003	2.0000e-005	2.3700e-003	2.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	1.9305	1.9305	4.0000e-005	0.0000	1.9315
Total	**8.8000e-004**	**1.3100e-003**	**6.3500e-003**	**2.0000e-005**	**2.4200e-003**	**2.0000e-005**	**2.4400e-003**	**6.4000e-004**	**1.0000e-005**	**6.6000e-004**	**0.0000**	**2.1544**	**2.1544**	**5.0000e-005**	**0.0000**	**2.1557**

3.6 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.3300e-003	0.0267	0.0404	6.0000e-005		1.1600e-003	1.1600e-003		1.0600e-003	1.0600e-003	0.0000	5.1504	5.1504	1.6700e-003	0.0000	5.1920
Total	**2.3300e-003**	**0.0267**	**0.0404**	**6.0000e-005**		**1.1600e-003**	**1.1600e-003**		**1.0600e-003**	**1.0600e-003**	**0.0000**	**5.1504**	**5.1504**	**1.6700e-003**	**0.0000**	**5.1920**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	4.0000e-005	1.0000e-005	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0118	0.0118	0.0000	0.0000	0.0118
Vendor	9.0000e-005	2.9700e-003	7.4000e-004	1.0000e-005	2.0000e-004	1.0000e-005	2.0000e-004	6.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.7704	0.7704	4.0000e-005	0.0000	0.7713
Worker	8.6000e-004	5.7000e-004	6.1800e-003	2.0000e-005	2.3700e-003	2.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	1.9305	1.9305	4.0000e-005	0.0000	1.9315
Total	**9.5000e-004**	**3.5800e-003**	**6.9300e-003**	**3.0000e-005**	**2.6100e-003**	**3.0000e-005**	**2.6300e-003**	**7.0000e-004**	**2.0000e-005**	**7.1000e-004**	**0.0000**	**2.7127**	**2.7127**	**8.0000e-005**	**0.0000**	**2.7146**

3.6 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.7600e-003	0.0571	0.0444	6.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	5.1504	5.1504	1.6700e-003	0.0000	5.1920
Total	**2.7600e-003**	**0.0571**	**0.0444**	**6.0000e-005**		**3.5000e-004**	**3.5000e-004**		**3.5000e-004**	**3.5000e-004**	**0.0000**	**5.1504**	**5.1504**	**1.6700e-003**	**0.0000**	**5.1920**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	4.0000e-005	1.0000e-005	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0118	0.0118	0.0000	0.0000	0.0118
Vendor	9.0000e-005	2.9700e-003	7.4000e-004	1.0000e-005	2.0000e-004	1.0000e-005	2.0000e-004	6.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.7704	0.7704	4.0000e-005	0.0000	0.7713
Worker	8.6000e-004	5.7000e-004	6.1800e-003	2.0000e-005	2.3700e-003	2.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	1.9305	1.9305	4.0000e-005	0.0000	1.9315
Total	**9.5000e-004**	**3.5800e-003**	**6.9300e-003**	**3.0000e-005**	**2.6100e-003**	**3.0000e-005**	**2.6300e-003**	**7.0000e-004**	**2.0000e-005**	**7.1000e-004**	**0.0000**	**2.7127**	**2.7127**	**8.0000e-005**	**0.0000**	**2.7146**

3.6 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0388	0.4468	0.7240	1.0600e-003		0.0178	0.0178		0.0164	0.0164	0.0000	92.7274	92.7274	0.0300	0.0000	93.4771
Total	**0.0388**	**0.4468**	**0.7240**	**1.0600e-003**		**0.0178**	**0.0178**		**0.0164**	**0.0164**	**0.0000**	**92.7274**	**92.7274**	**0.0300**	**0.0000**	**93.4771**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	4.7000e-004	1.5000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.2040	0.2040	1.0000e-005	0.0000	0.2043
Vendor	1.2000e-003	0.0412	0.0119	1.4000e-004	3.5400e-003	5.0000e-005	3.5900e-003	1.0200e-003	5.0000e-005	1.0700e-003	0.0000	13.4786	13.4786	5.6000e-004	0.0000	13.4926
Worker	0.0145	9.2200e-003	0.1024	3.7000e-004	0.0427	2.7000e-004	0.0429	0.0114	2.5000e-004	0.0116	0.0000	33.4182	33.4182	6.5000e-004	0.0000	33.4345
Total	**0.0157**	**0.0509**	**0.1144**	**5.1000e-004**	**0.0463**	**3.2000e-004**	**0.0466**	**0.0124**	**3.0000e-004**	**0.0127**	**0.0000**	**47.1009**	**47.1009**	**1.2200e-003**	**0.0000**	**47.1314**

3.6 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0497	1.0268	0.7998	1.0600e-003		6.2300e-003	6.2300e-003		6.2300e-003	6.2300e-003	0.0000	92.7273	92.7273	0.0300	0.0000	93.4770
Total	**0.0497**	**1.0268**	**0.7998**	**1.0600e-003**		**6.2300e-003**	**6.2300e-003**		**6.2300e-003**	**6.2300e-003**	**0.0000**	**92.7273**	**92.7273**	**0.0300**	**0.0000**	**93.4770**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	4.7000e-004	1.5000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.2040	0.2040	1.0000e-005	0.0000	0.2043
Vendor	1.2000e-003	0.0412	0.0119	1.4000e-004	3.5400e-003	5.0000e-005	3.5900e-003	1.0200e-003	5.0000e-005	1.0700e-003	0.0000	13.4786	13.4786	5.6000e-004	0.0000	13.4926
Worker	0.0145	9.2200e-003	0.1024	3.7000e-004	0.0427	2.7000e-004	0.0429	0.0114	2.5000e-004	0.0116	0.0000	33.4182	33.4182	6.5000e-004	0.0000	33.4345
Total	**0.0157**	**0.0509**	**0.1144**	**5.1000e-004**	**0.0463**	**3.2000e-004**	**0.0466**	**0.0124**	**3.0000e-004**	**0.0127**	**0.0000**	**47.1009**	**47.1009**	**1.2200e-003**	**0.0000**	**47.1314**

3.7 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.2000e-003	0.0215	0.0292	4.0000e-005		1.0800e-003	1.0800e-003		1.0000e-003	1.0000e-003	0.0000	3.8782	3.8782	1.2300e-003	0.0000	3.9089
Paving	9.2000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.1200e-003**	**0.0215**	**0.0292**	**4.0000e-005**		**1.0800e-003**	**1.0800e-003**		**1.0000e-003**	**1.0000e-003**	**0.0000**	**3.8782**	**3.8782**	**1.2300e-003**	**0.0000**	**3.9089**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	5.0000e-004	1.5000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.2153	0.2153	1.0000e-005	0.0000	0.2156
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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-004	2.6000e-004	2.8400e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9283	0.9283	2.0000e-005	0.0000	0.9287
Total	**4.2000e-004**	**7.6000e-004**	**2.9900e-003**	**1.0000e-005**	**1.2400e-003**	**1.0000e-005**	**1.2400e-003**	**3.3000e-004**	**1.0000e-005**	**3.3000e-004**	**0.0000**	**1.1436**	**1.1436**	**3.0000e-005**	**0.0000**	**1.1443**

3.7 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.8400e-003	0.0390	0.0324	4.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	3.8782	3.8782	1.2300e-003	0.0000	3.9089
Paving	9.2000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.7600e-003**	**0.0390**	**0.0324**	**4.0000e-005**		**2.1000e-004**	**2.1000e-004**		**2.1000e-004**	**2.1000e-004**	**0.0000**	**3.8782**	**3.8782**	**1.2300e-003**	**0.0000**	**3.9089**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	5.0000e-004	1.5000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.2153	0.2153	1.0000e-005	0.0000	0.2156
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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-004	2.6000e-004	2.8400e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9283	0.9283	2.0000e-005	0.0000	0.9287
Total	**4.2000e-004**	**7.6000e-004**	**2.9900e-003**	**1.0000e-005**	**1.2400e-003**	**1.0000e-005**	**1.2400e-003**	**3.3000e-004**	**1.0000e-005**	**3.3000e-004**	**0.0000**	**1.1436**	**1.1436**	**3.0000e-005**	**0.0000**	**1.1443**

3.8 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9430					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4400e-003	9.7700e-003	0.0136	2.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	1.9149	1.9149	1.1000e-004	0.0000	1.9178
Total	**0.9444**	**9.7700e-003**	**0.0136**	**2.0000e-005**		**5.3000e-004**	**5.3000e-004**		**5.3000e-004**	**5.3000e-004**	**0.0000**	**1.9149**	**1.9149**	**1.1000e-004**	**0.0000**	**1.9178**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	5.0000e-004	1.5000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.2153	0.2153	1.0000e-005	0.0000	0.2156
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e-003	7.7000e-004	8.5300e-003	3.0000e-005	3.5600e-003	2.0000e-005	3.5800e-003	9.5000e-004	2.0000e-005	9.7000e-004	0.0000	2.7849	2.7849	5.0000e-005	0.0000	2.7862
Total	**1.2200e-003**	**1.2700e-003**	**8.6800e-003**	**3.0000e-005**	**3.6100e-003**	**2.0000e-005**	**3.6300e-003**	**9.6000e-004**	**2.0000e-005**	**9.8000e-004**	**0.0000**	**3.0002**	**3.0002**	**6.0000e-005**	**0.0000**	**3.0018**

3.8 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9430					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5000e-004	0.0176	0.0137	2.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	1.9149	1.9149	1.1000e-004	0.0000	1.9178
Total	**0.9438**	**0.0176**	**0.0137**	**2.0000e-005**		**1.1000e-004**	**1.1000e-004**		**1.1000e-004**	**1.1000e-004**	**0.0000**	**1.9149**	**1.9149**	**1.1000e-004**	**0.0000**	**1.9178**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	5.0000e-004	1.5000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.2153	0.2153	1.0000e-005	0.0000	0.2156
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e-003	7.7000e-004	8.5300e-003	3.0000e-005	3.5600e-003	2.0000e-005	3.5800e-003	9.5000e-004	2.0000e-005	9.7000e-004	0.0000	2.7849	2.7849	5.0000e-005	0.0000	2.7862
Total	**1.2200e-003**	**1.2700e-003**	**8.6800e-003**	**3.0000e-005**	**3.6100e-003**	**2.0000e-005**	**3.6300e-003**	**9.6000e-004**	**2.0000e-005**	**9.8000e-004**	**0.0000**	**3.0002**	**3.0002**	**6.0000e-005**	**0.0000**	**3.0018**

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	0.0550	0.2511	0.6812	2.6400e-003	0.2400	2.1400e-003	0.2422	0.0644	2.0000e-003	0.0664	0.0000	242.6886	242.6886	8.0700e-003	0.0000	242.8903
Unmitigated	0.0550	0.2511	0.6812	2.6400e-003	0.2400	2.1400e-003	0.2422	0.0644	2.0000e-003	0.0664	0.0000	242.6886	242.6886	8.0700e-003	0.0000	242.8903

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	220.93	220.93	220.93	645,015	645,015
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	220.93	220.93	220.93	645,015	645,015

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	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	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	0.578638	0.038775	0.193686	0.110919	0.015677	0.005341	0.018293	0.026358	0.002641	0.002200	0.005832	0.000891	0.000749
Other Asphalt Surfaces	0.578638	0.038775	0.193686	0.110919	0.015677	0.005341	0.018293	0.026358	0.002641	0.002200	0.005832	0.000891	0.000749
Parking Lot	0.578638	0.038775	0.193686	0.110919	0.015677	0.005341	0.018293	0.026358	0.002641	0.002200	0.005832	0.000891	0.000749

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	221.6093	221.6093	0.0196	4.0400e-003	223.3031
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	221.6093	221.6093	0.0196	4.0400e-003	223.3031
NaturalGas Mitigated	0.0256	0.2323	0.1951	1.3900e-003		0.0177	0.0177		0.0177	0.0177	0.0000	252.8521	252.8521	4.8500e-003	4.6400e-003	254.3547
NaturalGas Unmitigated	0.0256	0.2323	0.1951	1.3900e-003		0.0177	0.0177		0.0177	0.0177	0.0000	252.8521	252.8521	4.8500e-003	4.6400e-003	254.3547

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	4.73827e+006	0.0256	0.2323	0.1951	1.3900e-003		0.0177	0.0177		0.0177	0.0177	0.0000	252.8521	252.8521	4.8500e-003	4.6400e-003	254.3547
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		**0.0256**	**0.2323**	**0.1951**	**1.3900e-003**		**0.0177**	**0.0177**		**0.0177**	**0.0177**	**0.0000**	**252.8521**	**252.8521**	**4.8500e-003**	**4.6400e-003**	**254.3547**

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	4.73827e+006	0.0256	0.2323	0.1951	1.3900e-003		0.0177	0.0177		0.0177	0.0177	0.0000	252.8521	252.8521	4.8500e-003	4.6400e-003	254.3547
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		**0.0256**	**0.2323**	**0.1951**	**1.3900e-003**		**0.0177**	**0.0177**		**0.0177**	**0.0177**	**0.0000**	**252.8521**	**252.8521**	**4.8500e-003**	**4.6400e-003**	**254.3547**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	1.48363e+006	221.2700	0.0195	4.0400e-003	222.9612
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	2275	0.3393	3.0000e-005	1.0000e-005	0.3419
Total		**221.6093**	**0.0196**	**4.0500e-003**	**223.3031**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	1.48363e+006	221.2700	0.0195	4.0400e-003	222.9612
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	2275	0.3393	3.0000e-005	1.0000e-005	0.3419
Total		**221.6093**	**0.0196**	**4.0500e-003**	**223.3031**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.7979	2.0000e-005	1.9300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7600e-003	3.7600e-003	1.0000e-005	0.0000	4.0000e-003
Unmitigated	0.7979	2.0000e-005	1.9300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7600e-003	3.7600e-003	1.0000e-005	0.0000	4.0000e-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	0.0943					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7035					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.8000e-004	2.0000e-005	1.9300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7600e-003	3.7600e-003	1.0000e-005	0.0000	4.0000e-003
Total	**0.7980**	**2.0000e-005**	**1.9300e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**3.7600e-003**	**3.7600e-003**	**1.0000e-005**	**0.0000**	**4.0000e-003**

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	0.0943					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7035					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.8000e-004	2.0000e-005	1.9300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.7600e-003	3.7600e-003	1.0000e-005	0.0000	4.0000e-003
Total	**0.7980**	**2.0000e-005**	**1.9300e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**3.7600e-003**	**3.7600e-003**	**1.0000e-005**	**0.0000**	**4.0000e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	46.6984	1.3564	0.0326	90.3155
Unmitigated	46.6984	1.3564	0.0326	90.3155

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	41.5371 / 0	46.6984	1.3564	0.0326	90.3155
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		**46.6984**	**1.3564**	**0.0326**	**90.3155**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	41.5371 / 0	46.6984	1.3564	0.0326	90.3155
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		**46.6984**	**1.3564**	**0.0326**	**90.3155**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	45.2122	2.6720	0.0000	112.0113
Unmitigated	45.2122	2.6720	0.0000	112.0113

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	222.73	45.2122	2.6720	0.0000	112.0113
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**45.2122**	**2.6720**	**0.0000**	**112.0113**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	222.73	45.2122	2.6720	0.0000	112.0113
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**45.2122**	**2.6720**	**0.0000**	**112.0113**

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

11.0 Vegetation

San Jose Public Storage - Phase 2

Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	179.62	1000sqft	1.30	179,616.00	0
Other Asphalt Surfaces	24.10	1000sqft	0.55	24,100.00	0
Parking Lot	6.50	1000sqft	0.15	6,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2023
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	328.8	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

San Jose Public Storage - Phase 2 - Bay Area AQMD Air District, Summer

Project Characteristics - CO2 intensity based on 5-year average (PG&E, 2015)

Land Use - 2.0 acres to be disturbed during construction of Phase 1

Construction Phase - Total construction duration is approximately 12 months

Off-road Equipment - Default equipment

Off-road Equipment - Based on construction equipment list provided by the Applicant

Off-road Equipment - Based on construction equipment list provided by the Applicant

Off-road Equipment - Default equipment

Off-road Equipment - Default equipment

Off-road Equipment - Based on construction equipment list provided by the Applicant

Off-road Equipment - Based on construction equipment list provided by the Applicant

Trips and VMT - Assuming 20 - 30 workers on site on typical day and 2- 6 haul / deliveries per day

Demolition - demolish 31,081 sf during Phase I

Grading - 575 c.y. import

Vehicle Trips - Based on trip generation prepared for the proposed project

Construction Off-road Equipment Mitigation - Tier 2 construction equipment with level 3 diesel particulate filters

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3

tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2

San Jose Public Storage - Phase 2 - Bay Area AQMD Air District, Summer

tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	10.00	15.00
tblConstructionPhase	NumDays	200.00	190.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	4.00	10.00
tblConstructionPhase	NumDays	10.00	5.00
tblConstructionPhase	NumDays	2.00	20.00
tblGrading	AcresOfGrading	5.00	2.00
tblGrading	AcresOfGrading	10.00	3.00
tblGrading	MaterialImported	0.00	575.00
tblLandUse	LandUseSquareFeet	179,620.00	179,616.00
tblLandUse	LotAcreage	4.12	1.30
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	328.8
tblTripsAndVMT	HaulingTripNumber	141.00	6.00
tblTripsAndVMT	HaulingTripNumber	57.00	6.00
tblTripsAndVMT	HaulingTripNumber	0.00	6.00
tblTripsAndVMT	HaulingTripNumber	0.00	6.00
tblTripsAndVMT	HaulingTripNumber	0.00	6.00

tblTripsAndVMT	HaulingTripNumber	0.00	6.00
tblTripsAndVMT	HaulingTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	34.00	6.00
tblTripsAndVMT	WorkerTripNumber	15.00	60.00
tblTripsAndVMT	WorkerTripNumber	10.00	60.00
tblTripsAndVMT	WorkerTripNumber	10.00	60.00
tblTripsAndVMT	WorkerTripNumber	3.00	60.00
tblTripsAndVMT	WorkerTripNumber	88.00	60.00
tblTripsAndVMT	WorkerTripNumber	15.00	60.00
tblTripsAndVMT	WorkerTripNumber	18.00	60.00
tblVehicleTrips	ST_TR	1.32	1.23
tblVehicleTrips	SU_TR	0.68	1.23
tblVehicleTrips	WD_TR	6.97	1.23

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	1.7243	17.2308	10.6111	0.0257	6.7376	0.7457	7.4833	3.4667	0.6861	4.1528	0.0000	2,502.9314	2,502.9314	0.6574	0.0000	2,519.3654
2023	126.0903	8.8968	12.9966	0.0232	0.5341	0.4371	0.9510	0.1426	0.4033	0.5398	0.0000	2,245.8158	2,245.8158	0.5549	0.0000	2,259.6891
Maximum	**126.0903**	**17.2308**	**12.9966**	**0.0257**	**6.7376**	**0.7457**	**7.4833**	**3.4667**	**0.6861**	**4.1528**	**0.0000**	**2,502.9314**	**2,502.9314**	**0.6574**	**0.0000**	**2,519.3654**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.8101	18.3522	13.5359	0.0257	3.3088	0.0762	3.3850	1.6335	0.0760	1.7095	0.0000	2,502.9314	2,502.9314	0.6574	0.0000	2,519.3654
2023	126.0126	15.8978	14.2862	0.0232	0.5341	0.0870	0.6067	0.1426	0.0868	0.2232	0.0000	2,245.8158	2,245.8158	0.5549	0.0000	2,259.6891
Maximum	**126.0126**	**18.3522**	**14.2862**	**0.0257**	**3.3088**	**0.0870**	**3.3850**	**1.6335**	**0.0868**	**1.7095**	**0.0000**	**2,502.9314**	**2,502.9314**	**0.6574**	**0.0000**	**2,519.3654**

	ROG	NOx	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	**0.78**	**-31.09**	**-17.85**	**0.00**	**47.15**	**86.20**	**52.67**	**50.79**	**85.06**	**58.81**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.3733	2.0000e-004	0.0215	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0460	0.0460	1.2000e-004		0.0490
Energy	0.1400	1.2727	1.0691	7.6400e-003		0.0967	0.0967		0.0967	0.0967		1,527.2426	1,527.2426	0.0293	0.0280	1,536.3182
Mobile	0.3441	1.3327	3.9506	0.0154	1.3703	0.0118	1.3820	0.3666	0.0110	0.3776		1,555.0961	1,555.0961	0.0495		1,556.3331
Total	**4.8574**	**2.6056**	**5.0412**	**0.0230**	**1.3703**	**0.1086**	**1.4788**	**0.3666**	**0.1078**	**0.4744**		**3,082.3846**	**3,082.3846**	**0.0789**	**0.0280**	**3,092.7004**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.3733	2.0000e-004	0.0215	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0460	0.0460	1.2000e-004		0.0490
Energy	0.1400	1.2727	1.0691	7.6400e-003		0.0967	0.0967		0.0967	0.0967		1,527.2426	1,527.2426	0.0293	0.0280	1,536.3182
Mobile	0.3441	1.3327	3.9506	0.0154	1.3703	0.0118	1.3820	0.3666	0.0110	0.3776		1,555.0961	1,555.0961	0.0495		1,556.3331
Total	**4.8574**	**2.6056**	**5.0412**	**0.0230**	**1.3703**	**0.1086**	**1.4788**	**0.3666**	**0.1078**	**0.4744**		**3,082.3846**	**3,082.3846**	**0.0789**	**0.0280**	**3,092.7004**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/3/2022	10/21/2022	5	15	
2	Site Preparation	Site Preparation	10/22/2022	11/18/2022	5	20	
3	Grading	Grading	11/19/2022	12/2/2022	5	10	
4	Trenching	Trenching	12/3/2022	12/16/2022	5	10	
5	Building Construction	Building Construction	12/17/2022	9/8/2023	5	190	
6	Paving	Paving	9/9/2023	9/15/2023	5	5	
7	Architectural Coating	Architectural Coating	9/16/2023	10/6/2023	5	15	

Acres of Grading (Site Preparation Phase): 3

Acres of Grading (Grading Phase): 2

Acres of Paving: 0.7

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 269,424; Non-Residential Outdoor: 89,808; Striped Parking Area: 1,836 (Architectural Coating – sqft)

OffRoad Equipment

San Jose Public Storage - Phase 2 - Bay Area AQMD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Dumpers/Tenders	4	8.00	16	0.38
Demolition	Excavators	1	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Dumpers/Tenders	1	8.00	16	0.38
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	0	8.00	367	0.48
Site Preparation	Skid Steer Loaders	1	8.00	65	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Aerial Lifts	4	8.00	63	0.31
Building Construction	Cranes	0	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	60.00	0.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	4	60.00	0.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	60.00	0.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	1	60.00	0.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	60.00	6.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	60.00	0.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	60.00	0.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0397	0.0000	2.0397	0.3088	0.0000	0.3088			0.0000			0.0000
Off-Road	0.6610	5.3108	6.4964	0.0113		0.2455	0.2455		0.2314	0.2314		1,045.0155	1,045.0155	0.2853		1,052.1482
Total	**0.6610**	**5.3108**	**6.4964**	**0.0113**	**2.0397**	**0.2455**	**2.2852**	**0.3088**	**0.2314**	**0.5403**		**1,045.0155**	**1,045.0155**	**0.2853**		**1,052.1482**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.9400e-003	0.0974	0.0219	3.1000e-004	6.9900e-003	2.8000e-004	7.2700e-003	1.9200e-003	2.7000e-004	2.1900e-003		33.1411	33.1411	1.6300e-003		33.1819
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1796	0.1011	1.3580	4.5900e-003	0.4929	3.0300e-003	0.4959	0.1307	2.7900e-003	0.1335		457.7372	457.7372	9.5400e-003		457.9757
Total	**0.1825**	**0.1985**	**1.3799**	**4.9000e-003**	**0.4999**	**3.3100e-003**	**0.5032**	**0.1327**	**3.0600e-003**	**0.1357**		**490.8784**	**490.8784**	**0.0112**		**491.1576**

3.2 Demolition - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9178	0.0000	0.9178	0.1390	0.0000	0.1390			0.0000			0.0000
Off-Road	0.3468	7.4224	6.2601	0.0113		0.0386	0.0386		0.0386	0.0386	0.0000	1,045.0155	1,045.0155	0.2853		1,052.1482
Total	**0.3468**	**7.4224**	**6.2601**	**0.0113**	**0.9178**	**0.0386**	**0.9564**	**0.1390**	**0.0386**	**0.1775**	**0.0000**	**1,045.0155**	**1,045.0155**	**0.2853**		**1,052.1482**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.9400e-003	0.0974	0.0219	3.1000e-004	6.9900e-003	2.8000e-004	7.2700e-003	1.9200e-003	2.7000e-004	2.1900e-003		33.1411	33.1411	1.6300e-003		33.1819
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1796	0.1011	1.3580	4.5900e-003	0.4929	3.0300e-003	0.4959	0.1307	2.7900e-003	0.1335		457.7372	457.7372	9.5400e-003		457.9757
Total	**0.1825**	**0.1985**	**1.3799**	**4.9000e-003**	**0.4999**	**3.3100e-003**	**0.5032**	**0.1327**	**3.0600e-003**	**0.1357**		**490.8784**	**490.8784**	**0.0112**		**491.1576**

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1591	0.0000	0.1591	0.0172	0.0000	0.0172			0.0000			0.0000
Off-Road	0.7022	8.1169	5.3180	0.0122		0.2979	0.2979		0.2755	0.2755		1,166.1946	1,166.1946	0.3640		1,175.2947
Total	**0.7022**	**8.1169**	**5.3180**	**0.0122**	**0.1591**	**0.2979**	**0.4570**	**0.0172**	**0.2755**	**0.2927**		**1,166.1946**	**1,166.1946**	**0.3640**		**1,175.2947**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.2000e-003	0.0730	0.0164	2.3000e-004	5.2400e-003	2.1000e-004	5.4500e-003	1.4400e-003	2.0000e-004	1.6400e-003		24.8559	24.8559	1.2200e-003		24.8864
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1796	0.1011	1.3580	4.5900e-003	0.4929	3.0300e-003	0.4959	0.1307	2.7900e-003	0.1335		457.7372	457.7372	9.5400e-003		457.9757
Total	**0.1818**	**0.1741**	**1.3745**	**4.8200e-003**	**0.4981**	**3.2400e-003**	**0.5014**	**0.1322**	**2.9900e-003**	**0.1352**		**482.5931**	**482.5931**	**0.0108**		**482.8621**

3.3 Site Preparation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0716	0.0000	0.0716	7.7300e-003	0.0000	7.7300e-003			0.0000			0.0000
Off-Road	0.3872	10.2574	7.1345	0.0122		0.0460	0.0460		0.0460	0.0460	0.0000	1,166.1946	1,166.1946	0.3640		1,175.2947
Total	**0.3872**	**10.2574**	**7.1345**	**0.0122**	**0.0716**	**0.0460**	**0.1176**	**7.7300e-003**	**0.0460**	**0.0538**	**0.0000**	**1,166.1946**	**1,166.1946**	**0.3640**		**1,175.2947**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.2000e-003	0.0730	0.0164	2.3000e-004	5.2400e-003	2.1000e-004	5.4500e-003	1.4400e-003	2.0000e-004	1.6400e-003		24.8559	24.8559	1.2200e-003		24.8864
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1796	0.1011	1.3580	4.5900e-003	0.4929	3.0300e-003	0.4959	0.1307	2.7900e-003	0.1335		457.7372	457.7372	9.5400e-003		457.9757
Total	**0.1818**	**0.1741**	**1.3745**	**4.8200e-003**	**0.4981**	**3.2400e-003**	**0.5014**	**0.1322**	**2.9900e-003**	**0.1352**		**482.5931**	**482.5931**	**0.0108**		**482.8621**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2342	0.0000	6.2342	3.3331	0.0000	3.3331			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829		1,995.4825	1,995.4825	0.6454		2,011.6169
Total	**1.5403**	**16.9836**	**9.2202**	**0.0206**	**6.2342**	**0.7423**	**6.9765**	**3.3331**	**0.6829**	**4.0160**		**1,995.4825**	**1,995.4825**	**0.6454**		**2,011.6169**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.4100e-003	0.1460	0.0329	4.6000e-004	0.0105	4.3000e-004	0.0109	2.8700e-003	4.1000e-004	3.2800e-003		49.7117	49.7117	2.4400e-003		49.7728
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1796	0.1011	1.3580	4.5900e-003	0.4929	3.0300e-003	0.4959	0.1307	2.7900e-003	0.1335		457.7372	457.7372	9.5400e-003		457.9757
Total	**0.1840**	**0.2472**	**1.3909**	**5.0500e-003**	**0.5034**	**3.4600e-003**	**0.5068**	**0.1336**	**3.2000e-003**	**0.1368**		**507.4489**	**507.4489**	**0.0120**		**507.7485**

3.4 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.8054	0.0000	2.8054	1.4999	0.0000	1.4999			0.0000			0.0000
Off-Road	0.6262	18.1050	12.1450	0.0206		0.0728	0.0728		0.0728	0.0728	0.0000	1,995.4825	1,995.4825	0.6454		2,011.6169
Total	**0.6262**	**18.1050**	**12.1450**	**0.0206**	**2.8054**	**0.0728**	**2.8781**	**1.4999**	**0.0728**	**1.5727**	**0.0000**	**1,995.4825**	**1,995.4825**	**0.6454**		**2,011.6169**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.4100e-003	0.1460	0.0329	4.6000e-004	0.0105	4.3000e-004	0.0109	2.8700e-003	4.1000e-004	3.2800e-003		49.7117	49.7117	2.4400e-003		49.7728
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1796	0.1011	1.3580	4.5900e-003	0.4929	3.0300e-003	0.4959	0.1307	2.7900e-003	0.1335		457.7372	457.7372	9.5400e-003		457.9757
Total	**0.1840**	**0.2472**	**1.3909**	**5.0500e-003**	**0.5034**	**3.4600e-003**	**0.5068**	**0.1336**	**3.2000e-003**	**0.1368**		**507.4489**	**507.4489**	**0.0120**		**507.7485**

3.5 Trenching - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829		301.2390	301.2390	0.0974		303.6746
Total	**0.1647**	**1.6756**	**2.2379**	**3.1100e-003**		**0.0901**	**0.0901**		**0.0829**	**0.0829**		**301.2390**	**301.2390**	**0.0974**		**303.6746**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.4100e-003	0.1460	0.0329	4.6000e-004	0.0105	4.3000e-004	0.0109	2.8700e-003	4.1000e-004	3.2800e-003		49.7117	49.7117	2.4400e-003		49.7728
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1796	0.1011	1.3580	4.5900e-003	0.4929	3.0300e-003	0.4959	0.1307	2.7900e-003	0.1335		457.7372	457.7372	9.5400e-003		457.9757
Total	**0.1840**	**0.2472**	**1.3909**	**5.0500e-003**	**0.5034**	**3.4600e-003**	**0.5068**	**0.1336**	**3.2000e-003**	**0.1368**		**507.4489**	**507.4489**	**0.0120**		**507.7485**

3.5 Trenching - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1456	3.0067	2.3421	3.1100e-003		0.0182	0.0182		0.0182	0.0182	0.0000	301.2390	301.2390	0.0974		303.6746
Total	**0.1456**	**3.0067**	**2.3421**	**3.1100e-003**		**0.0182**	**0.0182**		**0.0182**	**0.0182**	**0.0000**	**301.2390**	**301.2390**	**0.0974**		**303.6746**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.4100e-003	0.1460	0.0329	4.6000e-004	0.0105	4.3000e-004	0.0109	2.8700e-003	4.1000e-004	3.2800e-003		49.7117	49.7117	2.4400e-003		49.7728
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1796	0.1011	1.3580	4.5900e-003	0.4929	3.0300e-003	0.4959	0.1307	2.7900e-003	0.1335		457.7372	457.7372	9.5400e-003		457.9757
Total	**0.1840**	**0.2472**	**1.3909**	**5.0500e-003**	**0.5034**	**3.4600e-003**	**0.5068**	**0.1336**	**3.2000e-003**	**0.1368**		**507.4489**	**507.4489**	**0.0120**		**507.7485**

3.6 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4666	5.3439	8.0734	0.0117		0.2315	0.2315		0.2130	0.2130		1,135.4626	1,135.4626	0.3672		1,144.6434
Total	**0.4666**	**5.3439**	**8.0734**	**0.0117**		**0.2315**	**0.2315**		**0.2130**	**0.2130**		**1,135.4626**	**1,135.4626**	**0.3672**		**1,144.6434**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.3000e-004	7.6900e-003	1.7300e-003	2.0000e-005	8.0700e-003	2.0000e-005	8.0900e-003	2.0000e-003	2.0000e-005	2.0200e-003		2.6164	2.6164	1.3000e-004		2.6196
Vendor	0.0174	0.5876	0.1375	1.6200e-003	0.0406	1.1600e-003	0.0418	0.0117	1.1100e-003	0.0128		171.6867	171.6867	7.7800e-003		171.8812
Worker	0.1796	0.1011	1.3580	4.5900e-003	0.4929	3.0300e-003	0.4959	0.1307	2.7900e-003	0.1335		457.7372	457.7372	9.5400e-003		457.9757
Total	**0.1971**	**0.6965**	**1.4973**	**6.2300e-003**	**0.5416**	**4.2100e-003**	**0.5458**	**0.1444**	**3.9200e-003**	**0.1484**		**632.0403**	**632.0403**	**0.0175**		**632.4765**

3.6 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5525	11.4092	8.8872	0.0117		0.0692	0.0692		0.0692	0.0692	0.0000	1,135.4626	1,135.4626	0.3672		1,144.6434
Total	**0.5525**	**11.4092**	**8.8872**	**0.0117**		**0.0692**	**0.0692**		**0.0692**	**0.0692**	**0.0000**	**1,135.4626**	**1,135.4626**	**0.3672**		**1,144.6434**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.3000e-004	7.6900e-003	1.7300e-003	2.0000e-005	8.0700e-003	2.0000e-005	8.0900e-003	2.0000e-003	2.0000e-005	2.0200e-003		2.6164	2.6164	1.3000e-004		2.6196
Vendor	0.0174	0.5876	0.1375	1.6200e-003	0.0406	1.1600e-003	0.0418	0.0117	1.1100e-003	0.0128		171.6867	171.6867	7.7800e-003		171.8812
Worker	0.1796	0.1011	1.3580	4.5900e-003	0.4929	3.0300e-003	0.4959	0.1307	2.7900e-003	0.1335		457.7372	457.7372	9.5400e-003		457.9757
Total	**0.1971**	**0.6965**	**1.4973**	**6.2300e-003**	**0.5416**	**4.2100e-003**	**0.5458**	**0.1444**	**3.9200e-003**	**0.1484**		**632.0403**	**632.0403**	**0.0175**		**632.4765**

3.6 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4314	4.9642	8.0449	0.0117		0.1975	0.1975		0.1817	0.1817		1,135.7157	1,135.7157	0.3673		1,144.8986
Total	**0.4314**	**4.9642**	**8.0449**	**0.0117**		**0.1975**	**0.1975**		**0.1817**	**0.1817**		**1,135.7157**	**1,135.7157**	**0.3673**		**1,144.8986**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.6000e-004	5.1600e-003	1.5800e-003	2.0000e-005	5.7000e-004	1.0000e-005	5.8000e-004	1.6000e-004	1.0000e-005	1.7000e-004		2.5167	2.5167	1.2000e-004		2.5196
Vendor	0.0130	0.4541	0.1238	1.5700e-003	0.0406	5.2000e-004	0.0411	0.0117	4.9000e-004	0.0122		166.8570	166.8570	6.6500e-003		167.0232
Worker	0.1676	0.0910	1.2525	4.4100e-003	0.4929	2.9700e-003	0.4959	0.1307	2.7300e-003	0.1335		440.1893	440.1893	8.5600e-003		440.4034
Total	**0.1808**	**0.5502**	**1.3778**	**6.0000e-003**	**0.5341**	**3.5000e-003**	**0.5376**	**0.1426**	**3.2300e-003**	**0.1458**		**609.5629**	**609.5629**	**0.0153**		**609.9462**

3.6 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5525	11.4092	8.8872	0.0117		0.0692	0.0692		0.0692	0.0692	0.0000	1,135.7157	1,135.7157	0.3673		1,144.8986
Total	**0.5525**	**11.4092**	**8.8872**	**0.0117**		**0.0692**	**0.0692**		**0.0692**	**0.0692**	**0.0000**	**1,135.7157**	**1,135.7157**	**0.3673**		**1,144.8986**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.6000e-004	5.1600e-003	1.5800e-003	2.0000e-005	5.7000e-004	1.0000e-005	5.8000e-004	1.6000e-004	1.0000e-005	1.7000e-004		2.5167	2.5167	1.2000e-004		2.5196
Vendor	0.0130	0.4541	0.1238	1.5700e-003	0.0406	5.2000e-004	0.0411	0.0117	4.9000e-004	0.0122		166.8570	166.8570	6.6500e-003		167.0232
Worker	0.1676	0.0910	1.2525	4.4100e-003	0.4929	2.9700e-003	0.4959	0.1307	2.7300e-003	0.1335		440.1893	440.1893	8.5600e-003		440.4034
Total	**0.1808**	**0.5502**	**1.3778**	**6.0000e-003**	**0.5341**	**3.5000e-003**	**0.5376**	**0.1426**	**3.2300e-003**	**0.1458**		**609.5629**	**609.5629**	**0.0153**		**609.9462**

3.7 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003		1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.3668					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2470**	**8.6098**	**11.6840**	**0.0179**		**0.4338**	**0.4338**		**0.4003**	**0.4003**		**1,709.9926**	**1,709.9926**	**0.5420**		**1,723.5414**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.0200e-003	0.1961	0.0601	8.9000e-004	0.0210	3.5000e-004	0.0213	5.7500e-003	3.4000e-004	6.0800e-003		95.6340	95.6340	4.4100e-003		95.7443
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1676	0.0910	1.2525	4.4100e-003	0.4929	2.9700e-003	0.4959	0.1307	2.7300e-003	0.1335		440.1893	440.1893	8.5600e-003		440.4034
Total	**0.1737**	**0.2870**	**1.3125**	**5.3000e-003**	**0.5139**	**3.3200e-003**	**0.5172**	**0.1365**	**3.0700e-003**	**0.1396**		**535.8233**	**535.8233**	**0.0130**		**536.1477**

3.7 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7344	15.6108	12.9737	0.0179		0.0837	0.0837		0.0837	0.0837	0.0000	1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.3668					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1012**	**15.6108**	**12.9737**	**0.0179**		**0.0837**	**0.0837**		**0.0837**	**0.0837**	**0.0000**	**1,709.9926**	**1,709.9926**	**0.5420**		**1,723.5414**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.0200e-003	0.1961	0.0601	8.9000e-004	0.0210	3.5000e-004	0.0213	5.7500e-003	3.4000e-004	6.0800e-003		95.6340	95.6340	4.4100e-003		95.7443
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1676	0.0910	1.2525	4.4100e-003	0.4929	2.9700e-003	0.4959	0.1307	2.7300e-003	0.1335		440.1893	440.1893	8.5600e-003		440.4034
Total	**0.1737**	**0.2870**	**1.3125**	**5.3000e-003**	**0.5139**	**3.3200e-003**	**0.5172**	**0.1365**	**3.0700e-003**	**0.1396**		**535.8233**	**535.8233**	**0.0130**		**536.1477**

3.8 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	125.7290					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**125.9207**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.0100e-003	0.0654	0.0200	3.0000e-004	6.9900e-003	1.2000e-004	7.1100e-003	1.9200e-003	1.1000e-004	2.0300e-003		31.8780	31.8780	1.4700e-003		31.9148
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1676	0.0910	1.2525	4.4100e-003	0.4929	2.9700e-003	0.4959	0.1307	2.7300e-003	0.1335		440.1893	440.1893	8.5600e-003		440.4034
Total	**0.1696**	**0.1563**	**1.2725**	**4.7100e-003**	**0.4999**	**3.0900e-003**	**0.5030**	**0.1327**	**2.8400e-003**	**0.1355**		**472.0673**	**472.0673**	**0.0100**		**472.3182**

3.8 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	125.7290					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**125.8429**	**2.3524**	**1.8324**	**2.9700e-003**		**0.0143**	**0.0143**		**0.0143**	**0.0143**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.0100e-003	0.0654	0.0200	3.0000e-004	6.9900e-003	1.2000e-004	7.1100e-003	1.9200e-003	1.1000e-004	2.0300e-003		31.8780	31.8780	1.4700e-003		31.9148
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1676	0.0910	1.2525	4.4100e-003	0.4929	2.9700e-003	0.4959	0.1307	2.7300e-003	0.1335		440.1893	440.1893	8.5600e-003		440.4034
Total	**0.1696**	**0.1563**	**1.2725**	**4.7100e-003**	**0.4999**	**3.0900e-003**	**0.5030**	**0.1327**	**2.8400e-003**	**0.1355**		**472.0673**	**472.0673**	**0.0100**		**472.3182**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3441	1.3327	3.9506	0.0154	1.3703	0.0118	1.3820	0.3666	0.0110	0.3776		1,555.0961	1,555.0961	0.0495		1,556.3331
Unmitigated	0.3441	1.3327	3.9506	0.0154	1.3703	0.0118	1.3820	0.3666	0.0110	0.3776		1,555.0961	1,555.0961	0.0495		1,556.3331

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	220.93	220.93	220.93	645,015	645,015
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	220.93	220.93	220.93	645,015	645,015

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	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	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	0.578638	0.038775	0.193686	0.110919	0.015677	0.005341	0.018293	0.026358	0.002641	0.002200	0.005832	0.000891	0.000749
Other Asphalt Surfaces	0.578638	0.038775	0.193686	0.110919	0.015677	0.005341	0.018293	0.026358	0.002641	0.002200	0.005832	0.000891	0.000749
Parking Lot	0.578638	0.038775	0.193686	0.110919	0.015677	0.005341	0.018293	0.026358	0.002641	0.002200	0.005832	0.000891	0.000749

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1400	1.2727	1.0691	7.6400e-003		0.0967	0.0967		0.0967	0.0967		1,527.2426	1,527.2426	0.0293	0.0280	1,536.3182
NaturalGas Unmitigated	0.1400	1.2727	1.0691	7.6400e-003		0.0967	0.0967		0.0967	0.0967		1,527.2426	1,527.2426	0.0293	0.0280	1,536.3182

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	12981.6	0.1400	1.2727	1.0691	7.6400e-003		0.0967	0.0967		0.0967	0.0967		1,527.2426	1,527.2426	0.0293	0.0280	1,536.3182
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1400**	**1.2727**	**1.0691**	**7.6400e-003**		**0.0967**	**0.0967**		**0.0967**	**0.0967**		**1,527.2426**	**1,527.2426**	**0.0293**	**0.0280**	**1,536.3182**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	12.9816	0.1400	1.2727	1.0691	7.6400e-003		0.0967	0.0967		0.0967	0.0967		1,527.2426	1,527.2426	0.0293	0.0280	1,536.3182
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1400**	**1.2727**	**1.0691**	**7.6400e-003**		**0.0967**	**0.0967**		**0.0967**	**0.0967**		**1,527.2426**	**1,527.2426**	**0.0293**	**0.0280**	**1,536.3182**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.3733	2.0000e-004	0.0215	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0460	0.0460	1.2000e-004		0.0490
Unmitigated	4.3733	2.0000e-004	0.0215	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0460	0.0460	1.2000e-004		0.0490

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5167					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8546					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9900e-003	2.0000e-004	0.0215	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0460	0.0460	1.2000e-004		0.0490
Total	**4.3733**	**2.0000e-004**	**0.0215**	**0.0000**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**		**0.0460**	**0.0460**	**1.2000e-004**		**0.0490**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5167					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8546					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9900e-003	2.0000e-004	0.0215	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0460	0.0460	1.2000e-004		0.0490
Total	**4.3733**	**2.0000e-004**	**0.0215**	**0.0000**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**		**0.0460**	**0.0460**	**1.2000e-004**		**0.0490**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

San Jose Public Storage - Phase 2

Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	179.62	1000sqft	1.30	179,616.00	0
Other Asphalt Surfaces	24.10	1000sqft	0.55	24,100.00	0
Parking Lot	6.50	1000sqft	0.15	6,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2023
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	328.8	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

San Jose Public Storage - Phase 2 - Bay Area AQMD Air District, Winter

Project Characteristics - CO2 intensity based on 5-year average (PG&E, 2015)

Land Use - 2.0 acres to be disturbed during construction of Phase 1

Construction Phase - Total construction duration is approximately 12 months

Off-road Equipment - Default equipment

Off-road Equipment - Based on construction equipment list provided by the Applicant

Off-road Equipment - Based on construction equipment list provided by the Applicant

Off-road Equipment - Default equipment

Off-road Equipment - Default equipment

Off-road Equipment - Based on construction equipment list provided by the Applicant

Off-road Equipment - Based on construction equipment list provided by the Applicant

Trips and VMT - Assuming 20 - 30 workers on site on typical day and 2- 6 haul / deliveries per day

Demolition - demolish 31,081 sf during Phase I

Grading - 575 c.y. import

Vehicle Trips - Based on trip generation prepared for the proposed project

Construction Off-road Equipment Mitigation - Tier 2 construction equipment with level 3 diesel particulate filters

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3

tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2

San Jose Public Storage - Phase 2 - Bay Area AQMD Air District, Winter

tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	10.00	15.00
tblConstructionPhase	NumDays	200.00	190.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	4.00	10.00
tblConstructionPhase	NumDays	10.00	5.00
tblConstructionPhase	NumDays	2.00	20.00
tblGrading	AcresOfGrading	5.00	2.00
tblGrading	AcresOfGrading	10.00	3.00
tblGrading	MaterialImported	0.00	575.00
tblLandUse	LandUseSquareFeet	179,620.00	179,616.00
tblLandUse	LotAcreage	4.12	1.30
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	328.8
tblTripsAndVMT	HaulingTripNumber	141.00	6.00
tblTripsAndVMT	HaulingTripNumber	57.00	6.00
tblTripsAndVMT	HaulingTripNumber	0.00	6.00
tblTripsAndVMT	HaulingTripNumber	0.00	6.00
tblTripsAndVMT	HaulingTripNumber	0.00	6.00

tblTripsAndVMT	HaulingTripNumber	0.00	6.00
tblTripsAndVMT	HaulingTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	34.00	6.00
tblTripsAndVMT	WorkerTripNumber	15.00	60.00
tblTripsAndVMT	WorkerTripNumber	10.00	60.00
tblTripsAndVMT	WorkerTripNumber	10.00	60.00
tblTripsAndVMT	WorkerTripNumber	3.00	60.00
tblTripsAndVMT	WorkerTripNumber	88.00	60.00
tblTripsAndVMT	WorkerTripNumber	15.00	60.00
tblTripsAndVMT	WorkerTripNumber	18.00	60.00
tblVehicleTrips	ST_TR	1.32	1.23
tblVehicleTrips	SU_TR	0.68	1.23
tblVehicleTrips	WD_TR	6.97	1.23

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	1.7356	17.2577	10.5207	0.0253	6.7376	0.7457	7.4833	3.4667	0.6861	4.1529	0.0000	2,466.0208	2,466.0208	0.6568	0.0000	2,482.4410
2023	126.1014	8.9214	12.9095	0.0228	0.5341	0.4371	0.9510	0.1426	0.4033	0.5398	0.0000	2,209.5215	2,209.5215	0.5545	0.0000	2,223.3834
Maximum	**126.1014**	**17.2577**	**12.9095**	**0.0253**	**6.7376**	**0.7457**	**7.4833**	**3.4667**	**0.6861**	**4.1529**	**0.0000**	**2,466.0208**	**2,466.0208**	**0.6568**	**0.0000**	**2,482.4410**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.8214	18.3791	13.4456	0.0253	3.3088	0.0762	3.3850	1.6335	0.0760	1.7095	0.0000	2,466.0208	2,466.0208	0.6568	0.0000	2,482.4410
2023	126.0237	15.9224	14.1992	0.0228	0.5341	0.0870	0.6068	0.1426	0.0868	0.2233	0.0000	2,209.5215	2,209.5215	0.5545	0.0000	2,223.3834
Maximum	**126.0237**	**18.3791**	**14.1992**	**0.0253**	**3.3088**	**0.0870**	**3.3850**	**1.6335**	**0.0868**	**1.7095**	**0.0000**	**2,466.0208**	**2,466.0208**	**0.6568**	**0.0000**	**2,482.4410**

	ROG	NOx	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	**0.78**	**-31.03**	**-17.99**	**0.00**	**47.15**	**86.20**	**52.67**	**50.79**	**85.06**	**58.81**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.3733	2.0000e-004	0.0215	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0460	0.0460	1.2000e-004		0.0490
Energy	0.1400	1.2727	1.0691	7.6400e-003		0.0967	0.0967		0.0967	0.0967		1,527.2426	1,527.2426	0.0293	0.0280	1,536.3182
Mobile	0.2994	1.4103	3.8904	0.0144	1.3703	0.0118	1.3821	0.3666	0.0110	0.3776		1,457.0322	1,457.0322	0.0499		1,458.2794
Total	**4.8127**	**2.6832**	**4.9809**	**0.0220**	**1.3703**	**0.1086**	**1.4789**	**0.3666**	**0.1078**	**0.4744**		**2,984.3208**	**2,984.3208**	**0.0793**	**0.0280**	**2,994.6466**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.3733	2.0000e-004	0.0215	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0460	0.0460	1.2000e-004		0.0490
Energy	0.1400	1.2727	1.0691	7.6400e-003		0.0967	0.0967		0.0967	0.0967		1,527.2426	1,527.2426	0.0293	0.0280	1,536.3182
Mobile	0.2994	1.4103	3.8904	0.0144	1.3703	0.0118	1.3821	0.3666	0.0110	0.3776		1,457.0322	1,457.0322	0.0499		1,458.2794
Total	**4.8127**	**2.6832**	**4.9809**	**0.0220**	**1.3703**	**0.1086**	**1.4789**	**0.3666**	**0.1078**	**0.4744**		**2,984.3208**	**2,984.3208**	**0.0793**	**0.0280**	**2,994.6466**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/3/2022	10/21/2022	5	15	
2	Site Preparation	Site Preparation	10/22/2022	11/18/2022	5	20	
3	Grading	Grading	11/19/2022	12/2/2022	5	10	
4	Trenching	Trenching	12/3/2022	12/16/2022	5	10	
5	Building Construction	Building Construction	12/17/2022	9/8/2023	5	190	
6	Paving	Paving	9/9/2023	9/15/2023	5	5	
7	Architectural Coating	Architectural Coating	9/16/2023	10/6/2023	5	15	

Acres of Grading (Site Preparation Phase): 3

Acres of Grading (Grading Phase): 2

Acres of Paving: 0.7

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 269,424; Non-Residential Outdoor: 89,808; Striped Parking Area: 1,836 (Architectural Coating – sqft)

OffRoad Equipment

San Jose Public Storage - Phase 2 - Bay Area AQMD Air District, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Dumpers/Tenders	4	8.00	16	0.38
Demolition	Excavators	1	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Dumpers/Tenders	1	8.00	16	0.38
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	0	8.00	367	0.48
Site Preparation	Skid Steer Loaders	1	8.00	65	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Aerial Lifts	4	8.00	63	0.31
Building Construction	Cranes	0	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	60.00	0.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	4	60.00	0.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	60.00	0.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	1	60.00	0.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	60.00	6.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	60.00	0.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	60.00	0.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0397	0.0000	2.0397	0.3088	0.0000	0.3088			0.0000			0.0000
Off-Road	0.6610	5.3108	6.4964	0.0113		0.2455	0.2455		0.2314	0.2314		1,045.0155	1,045.0155	0.2853		1,052.1482
Total	**0.6610**	**5.3108**	**6.4964**	**0.0113**	**2.0397**	**0.2455**	**2.2852**	**0.3088**	**0.2314**	**0.5403**		**1,045.0155**	**1,045.0155**	**0.2853**		**1,052.1482**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.0200e-003	0.0995	0.0235	3.0000e-004	6.9900e-003	2.9000e-004	7.2800e-003	1.9200e-003	2.8000e-004	2.1900e-003		32.5754	32.5754	1.7100e-003		32.6181
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1908	0.1249	1.2653	4.2300e-003	0.4929	3.0300e-003	0.4959	0.1307	2.7900e-003	0.1335		421.6752	421.6752	8.8700e-003		421.8969
Total	**0.1938**	**0.2244**	**1.2888**	**4.5300e-003**	**0.4999**	**3.3200e-003**	**0.5032**	**0.1327**	**3.0700e-003**	**0.1357**		**454.2506**	**454.2506**	**0.0106**		**454.5150**

3.2 Demolition - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9178	0.0000	0.9178	0.1390	0.0000	0.1390			0.0000			0.0000
Off-Road	0.3468	7.4224	6.2601	0.0113		0.0386	0.0386		0.0386	0.0386	0.0000	1,045.0155	1,045.0155	0.2853		1,052.1482
Total	**0.3468**	**7.4224**	**6.2601**	**0.0113**	**0.9178**	**0.0386**	**0.9564**	**0.1390**	**0.0386**	**0.1775**	**0.0000**	**1,045.0155**	**1,045.0155**	**0.2853**		**1,052.1482**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.0200e-003	0.0995	0.0235	3.0000e-004	6.9900e-003	2.9000e-004	7.2800e-003	1.9200e-003	2.8000e-004	2.1900e-003		32.5754	32.5754	1.7100e-003		32.6181
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1908	0.1249	1.2653	4.2300e-003	0.4929	3.0300e-003	0.4959	0.1307	2.7900e-003	0.1335		421.6752	421.6752	8.8700e-003		421.8969
Total	**0.1938**	**0.2244**	**1.2888**	**4.5300e-003**	**0.4999**	**3.3200e-003**	**0.5032**	**0.1327**	**3.0700e-003**	**0.1357**		**454.2506**	**454.2506**	**0.0106**		**454.5150**

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1591	0.0000	0.1591	0.0172	0.0000	0.0172			0.0000			0.0000
Off-Road	0.7022	8.1169	5.3180	0.0122		0.2979	0.2979		0.2755	0.2755		1,166.1946	1,166.1946	0.3640		1,175.2947
Total	**0.7022**	**8.1169**	**5.3180**	**0.0122**	**0.1591**	**0.2979**	**0.4570**	**0.0172**	**0.2755**	**0.2927**		**1,166.1946**	**1,166.1946**	**0.3640**		**1,175.2947**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.2600e-003	0.0746	0.0176	2.3000e-004	5.2400e-003	2.2000e-004	5.4600e-003	1.4400e-003	2.1000e-004	1.6400e-003		24.4316	24.4316	1.2800e-003		24.4636
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1908	0.1249	1.2653	4.2300e-003	0.4929	3.0300e-003	0.4959	0.1307	2.7900e-003	0.1335		421.6752	421.6752	8.8700e-003		421.8969
Total	**0.1930**	**0.1995**	**1.2829**	**4.4600e-003**	**0.4981**	**3.2500e-003**	**0.5014**	**0.1322**	**3.0000e-003**	**0.1352**		**446.1068**	**446.1068**	**0.0102**		**446.3605**

3.3 Site Preparation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0716	0.0000	0.0716	7.7300e-003	0.0000	7.7300e-003			0.0000			0.0000
Off-Road	0.3872	10.2574	7.1345	0.0122		0.0460	0.0460		0.0460	0.0460	0.0000	1,166.1946	1,166.1946	0.3640		1,175.2947
Total	**0.3872**	**10.2574**	**7.1345**	**0.0122**	**0.0716**	**0.0460**	**0.1176**	**7.7300e-003**	**0.0460**	**0.0538**	**0.0000**	**1,166.1946**	**1,166.1946**	**0.3640**		**1,175.2947**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.2600e-003	0.0746	0.0176	2.3000e-004	5.2400e-003	2.2000e-004	5.4600e-003	1.4400e-003	2.1000e-004	1.6400e-003		24.4316	24.4316	1.2800e-003		24.4636
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1908	0.1249	1.2653	4.2300e-003	0.4929	3.0300e-003	0.4959	0.1307	2.7900e-003	0.1335		421.6752	421.6752	8.8700e-003		421.8969
Total	**0.1930**	**0.1995**	**1.2829**	**4.4600e-003**	**0.4981**	**3.2500e-003**	**0.5014**	**0.1322**	**3.0000e-003**	**0.1352**		**446.1068**	**446.1068**	**0.0102**		**446.3605**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2342	0.0000	6.2342	3.3331	0.0000	3.3331			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829		1,995.4825	1,995.4825	0.6454		2,011.6169
Total	**1.5403**	**16.9836**	**9.2202**	**0.0206**	**6.2342**	**0.7423**	**6.9765**	**3.3331**	**0.6829**	**4.0160**		**1,995.4825**	**1,995.4825**	**0.6454**		**2,011.6169**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.5300e-003	0.1493	0.0352	4.6000e-004	0.0105	4.3000e-004	0.0109	2.8700e-003	4.2000e-004	3.2900e-003		48.8631	48.8631	2.5600e-003		48.9271
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1908	0.1249	1.2653	4.2300e-003	0.4929	3.0300e-003	0.4959	0.1307	2.7900e-003	0.1335		421.6752	421.6752	8.8700e-003		421.8969
Total	**0.1953**	**0.2741**	**1.3006**	**4.6900e-003**	**0.5034**	**3.4600e-003**	**0.5068**	**0.1336**	**3.2100e-003**	**0.1368**		**470.5383**	**470.5383**	**0.0114**		**470.8240**

3.4 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.8054	0.0000	2.8054	1.4999	0.0000	1.4999			0.0000			0.0000
Off-Road	0.6262	18.1050	12.1450	0.0206		0.0728	0.0728		0.0728	0.0728	0.0000	1,995.4825	1,995.4825	0.6454		2,011.6169
Total	**0.6262**	**18.1050**	**12.1450**	**0.0206**	**2.8054**	**0.0728**	**2.8781**	**1.4999**	**0.0728**	**1.5727**	**0.0000**	**1,995.4825**	**1,995.4825**	**0.6454**		**2,011.6169**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.5300e-003	0.1493	0.0352	4.6000e-004	0.0105	4.3000e-004	0.0109	2.8700e-003	4.2000e-004	3.2900e-003		48.8631	48.8631	2.5600e-003		48.9271
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1908	0.1249	1.2653	4.2300e-003	0.4929	3.0300e-003	0.4959	0.1307	2.7900e-003	0.1335		421.6752	421.6752	8.8700e-003		421.8969
Total	**0.1953**	**0.2741**	**1.3006**	**4.6900e-003**	**0.5034**	**3.4600e-003**	**0.5068**	**0.1336**	**3.2100e-003**	**0.1368**		**470.5383**	**470.5383**	**0.0114**		**470.8240**

3.5 Trenching - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1647	1.6756	2.2379	3.1100e-003		0.0901	0.0901		0.0829	0.0829		301.2390	301.2390	0.0974		303.6746
Total	**0.1647**	**1.6756**	**2.2379**	**3.1100e-003**		**0.0901**	**0.0901**		**0.0829**	**0.0829**		**301.2390**	**301.2390**	**0.0974**		**303.6746**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.5300e-003	0.1493	0.0352	4.6000e-004	0.0105	4.3000e-004	0.0109	2.8700e-003	4.2000e-004	3.2900e-003		48.8631	48.8631	2.5600e-003		48.9271
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1908	0.1249	1.2653	4.2300e-003	0.4929	3.0300e-003	0.4959	0.1307	2.7900e-003	0.1335		421.6752	421.6752	8.8700e-003		421.8969
Total	**0.1953**	**0.2741**	**1.3006**	**4.6900e-003**	**0.5034**	**3.4600e-003**	**0.5068**	**0.1336**	**3.2100e-003**	**0.1368**		**470.5383**	**470.5383**	**0.0114**		**470.8240**

3.5 Trenching - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1456	3.0067	2.3421	3.1100e-003		0.0182	0.0182		0.0182	0.0182	0.0000	301.2390	301.2390	0.0974		303.6746
Total	**0.1456**	**3.0067**	**2.3421**	**3.1100e-003**		**0.0182**	**0.0182**		**0.0182**	**0.0182**	**0.0000**	**301.2390**	**301.2390**	**0.0974**		**303.6746**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.5300e-003	0.1493	0.0352	4.6000e-004	0.0105	4.3000e-004	0.0109	2.8700e-003	4.2000e-004	3.2900e-003		48.8631	48.8631	2.5600e-003		48.9271
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1908	0.1249	1.2653	4.2300e-003	0.4929	3.0300e-003	0.4959	0.1307	2.7900e-003	0.1335		421.6752	421.6752	8.8700e-003		421.8969
Total	**0.1953**	**0.2741**	**1.3006**	**4.6900e-003**	**0.5034**	**3.4600e-003**	**0.5068**	**0.1336**	**3.2100e-003**	**0.1368**		**470.5383**	**470.5383**	**0.0114**		**470.8240**

3.6 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4666	5.3439	8.0734	0.0117		0.2315	0.2315		0.2130	0.2130		1,135.4626	1,135.4626	0.3672		1,144.6434
Total	**0.4666**	**5.3439**	**8.0734**	**0.0117**		**0.2315**	**0.2315**		**0.2130**	**0.2130**		**1,135.4626**	**1,135.4626**	**0.3672**		**1,144.6434**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.4000e-004	7.8600e-003	1.8500e-003	2.0000e-005	8.0700e-003	2.0000e-005	8.0900e-003	2.0000e-003	2.0000e-005	2.0200e-003		2.5717	2.5717	1.3000e-004		2.5751
Vendor	0.0184	0.5921	0.1580	1.5800e-003	0.0406	1.2100e-003	0.0418	0.0117	1.1500e-003	0.0129		167.3033	167.3033	8.4100e-003		167.5136
Worker	0.1908	0.1249	1.2653	4.2300e-003	0.4929	3.0300e-003	0.4959	0.1307	2.7900e-003	0.1335		421.6752	421.6752	8.8700e-003		421.8969
Total	**0.2094**	**0.7248**	**1.4252**	**5.8300e-003**	**0.5416**	**4.2600e-003**	**0.5458**	**0.1444**	**3.9600e-003**	**0.1484**		**591.5503**	**591.5503**	**0.0174**		**591.9856**

3.6 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5525	11.4092	8.8872	0.0117		0.0692	0.0692		0.0692	0.0692	0.0000	1,135.4626	1,135.4626	0.3672		1,144.6434
Total	**0.5525**	**11.4092**	**8.8872**	**0.0117**		**0.0692**	**0.0692**		**0.0692**	**0.0692**	**0.0000**	**1,135.4626**	**1,135.4626**	**0.3672**		**1,144.6434**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.4000e-004	7.8600e-003	1.8500e-003	2.0000e-005	8.0700e-003	2.0000e-005	8.0900e-003	2.0000e-003	2.0000e-005	2.0200e-003		2.5717	2.5717	1.3000e-004		2.5751
Vendor	0.0184	0.5921	0.1580	1.5800e-003	0.0406	1.2100e-003	0.0418	0.0117	1.1500e-003	0.0129		167.3033	167.3033	8.4100e-003		167.5136
Worker	0.1908	0.1249	1.2653	4.2300e-003	0.4929	3.0300e-003	0.4959	0.1307	2.7900e-003	0.1335		421.6752	421.6752	8.8700e-003		421.8969
Total	**0.2094**	**0.7248**	**1.4252**	**5.8300e-003**	**0.5416**	**4.2600e-003**	**0.5458**	**0.1444**	**3.9600e-003**	**0.1484**		**591.5503**	**591.5503**	**0.0174**		**591.9856**

3.6 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4314	4.9642	8.0449	0.0117		0.1975	0.1975		0.1817	0.1817		1,135.7157	1,135.7157	0.3673		1,144.8986
Total	**0.4314**	**4.9642**	**8.0449**	**0.0117**		**0.1975**	**0.1975**		**0.1817**	**0.1817**		**1,135.7157**	**1,135.7157**	**0.3673**		**1,144.8986**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.6000e-004	5.2400e-003	1.6700e-003	2.0000e-005	5.7000e-004	1.0000e-005	5.8000e-004	1.6000e-004	1.0000e-005	1.7000e-004		2.4737	2.4737	1.2000e-004		2.4768
Vendor	0.0138	0.4563	0.1403	1.5300e-003	0.0406	5.4000e-004	0.0412	0.0117	5.2000e-004	0.0122		162.6396	162.6396	7.1400e-003		162.8181
Worker	0.1787	0.1123	1.1621	4.0700e-003	0.4929	2.9700e-003	0.4959	0.1307	2.7300e-003	0.1335		405.5269	405.5269	7.9400e-003		405.7253
Total	**0.1927**	**0.5738**	**1.3041**	**5.6200e-003**	**0.5341**	**3.5200e-003**	**0.5376**	**0.1426**	**3.2600e-003**	**0.1459**		**570.6403**	**570.6403**	**0.0152**		**571.0201**

3.6 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5525	11.4092	8.8872	0.0117		0.0692	0.0692		0.0692	0.0692	0.0000	1,135.7157	1,135.7157	0.3673		1,144.8986
Total	**0.5525**	**11.4092**	**8.8872**	**0.0117**		**0.0692**	**0.0692**		**0.0692**	**0.0692**	**0.0000**	**1,135.7157**	**1,135.7157**	**0.3673**		**1,144.8986**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.6000e-004	5.2400e-003	1.6700e-003	2.0000e-005	5.7000e-004	1.0000e-005	5.8000e-004	1.6000e-004	1.0000e-005	1.7000e-004		2.4737	2.4737	1.2000e-004		2.4768
Vendor	0.0138	0.4563	0.1403	1.5300e-003	0.0406	5.4000e-004	0.0412	0.0117	5.2000e-004	0.0122		162.6396	162.6396	7.1400e-003		162.8181
Worker	0.1787	0.1123	1.1621	4.0700e-003	0.4929	2.9700e-003	0.4959	0.1307	2.7300e-003	0.1335		405.5269	405.5269	7.9400e-003		405.7253
Total	**0.1927**	**0.5738**	**1.3041**	**5.6200e-003**	**0.5341**	**3.5200e-003**	**0.5376**	**0.1426**	**3.2600e-003**	**0.1459**		**570.6403**	**570.6403**	**0.0152**		**571.0201**

3.7 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003		1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.3668					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2470**	**8.6098**	**11.6840**	**0.0179**		**0.4338**	**0.4338**		**0.4003**	**0.4003**		**1,709.9926**	**1,709.9926**	**0.5420**		**1,723.5414**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.1900e-003	0.1993	0.0634	8.8000e-004	0.0210	3.6000e-004	0.0213	5.7500e-003	3.5000e-004	6.0900e-003		94.0021	94.0021	4.5900e-003		94.1168
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1787	0.1123	1.1621	4.0700e-003	0.4929	2.9700e-003	0.4959	0.1307	2.7300e-003	0.1335		405.5269	405.5269	7.9400e-003		405.7253
Total	**0.1849**	**0.3116**	**1.2255**	**4.9500e-003**	**0.5139**	**3.3300e-003**	**0.5172**	**0.1365**	**3.0800e-003**	**0.1396**		**499.5290**	**499.5290**	**0.0125**		**499.8421**

3.7 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7344	15.6108	12.9737	0.0179		0.0837	0.0837		0.0837	0.0837	0.0000	1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.3668					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1012**	**15.6108**	**12.9737**	**0.0179**		**0.0837**	**0.0837**		**0.0837**	**0.0837**	**0.0000**	**1,709.9926**	**1,709.9926**	**0.5420**		**1,723.5414**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.1900e-003	0.1993	0.0634	8.8000e-004	0.0210	3.6000e-004	0.0213	5.7500e-003	3.5000e-004	6.0900e-003		94.0021	94.0021	4.5900e-003		94.1168
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1787	0.1123	1.1621	4.0700e-003	0.4929	2.9700e-003	0.4959	0.1307	2.7300e-003	0.1335		405.5269	405.5269	7.9400e-003		405.7253
Total	**0.1849**	**0.3116**	**1.2255**	**4.9500e-003**	**0.5139**	**3.3300e-003**	**0.5172**	**0.1365**	**3.0800e-003**	**0.1396**		**499.5290**	**499.5290**	**0.0125**		**499.8421**

3.8 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	125.7290					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**125.9207**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.0600e-003	0.0664	0.0211	2.9000e-004	6.9900e-003	1.2000e-004	7.1100e-003	1.9200e-003	1.2000e-004	2.0300e-003		31.3340	31.3340	1.5300e-003		31.3723
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1787	0.1123	1.1621	4.0700e-003	0.4929	2.9700e-003	0.4959	0.1307	2.7300e-003	0.1335		405.5269	405.5269	7.9400e-003		405.7253
Total	**0.1807**	**0.1787**	**1.1832**	**4.3600e-003**	**0.4999**	**3.0900e-003**	**0.5030**	**0.1327**	**2.8500e-003**	**0.1355**		**436.8609**	**436.8609**	**9.4700e-003**		**437.0975**

3.8 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	125.7290					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**125.8429**	**2.3524**	**1.8324**	**2.9700e-003**		**0.0143**	**0.0143**		**0.0143**	**0.0143**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.0600e-003	0.0664	0.0211	2.9000e-004	6.9900e-003	1.2000e-004	7.1100e-003	1.9200e-003	1.2000e-004	2.0300e-003		31.3340	31.3340	1.5300e-003		31.3723
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1787	0.1123	1.1621	4.0700e-003	0.4929	2.9700e-003	0.4959	0.1307	2.7300e-003	0.1335		405.5269	405.5269	7.9400e-003		405.7253
Total	**0.1807**	**0.1787**	**1.1832**	**4.3600e-003**	**0.4999**	**3.0900e-003**	**0.5030**	**0.1327**	**2.8500e-003**	**0.1355**		**436.8609**	**436.8609**	**9.4700e-003**		**437.0975**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2994	1.4103	3.8904	0.0144	1.3703	0.0118	1.3821	0.3666	0.0110	0.3776		1,457.0322	1,457.0322	0.0499		1,458.2794
Unmitigated	0.2994	1.4103	3.8904	0.0144	1.3703	0.0118	1.3821	0.3666	0.0110	0.3776		1,457.0322	1,457.0322	0.0499		1,458.2794

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	220.93	220.93	220.93	645,015	645,015
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	220.93	220.93	220.93	645,015	645,015

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	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	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	0.578638	0.038775	0.193686	0.110919	0.015677	0.005341	0.018293	0.026358	0.002641	0.002200	0.005832	0.000891	0.000749
Other Asphalt Surfaces	0.578638	0.038775	0.193686	0.110919	0.015677	0.005341	0.018293	0.026358	0.002641	0.002200	0.005832	0.000891	0.000749
Parking Lot	0.578638	0.038775	0.193686	0.110919	0.015677	0.005341	0.018293	0.026358	0.002641	0.002200	0.005832	0.000891	0.000749

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1400	1.2727	1.0691	7.6400e-003		0.0967	0.0967		0.0967	0.0967		1,527.2426	1,527.2426	0.0293	0.0280	1,536.3182
NaturalGas Unmitigated	0.1400	1.2727	1.0691	7.6400e-003		0.0967	0.0967		0.0967	0.0967		1,527.2426	1,527.2426	0.0293	0.0280	1,536.3182

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	12981.6	0.1400	1.2727	1.0691	7.6400e-003		0.0967	0.0967		0.0967	0.0967		1,527.2426	1,527.2426	0.0293	0.0280	1,536.3182
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1400**	**1.2727**	**1.0691**	**7.6400e-003**		**0.0967**	**0.0967**		**0.0967**	**0.0967**		**1,527.2426**	**1,527.2426**	**0.0293**	**0.0280**	**1,536.3182**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	12.9816	0.1400	1.2727	1.0691	7.6400e-003		0.0967	0.0967		0.0967	0.0967		1,527.2426	1,527.2426	0.0293	0.0280	1,536.3182
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1400**	**1.2727**	**1.0691**	**7.6400e-003**		**0.0967**	**0.0967**		**0.0967**	**0.0967**		**1,527.2426**	**1,527.2426**	**0.0293**	**0.0280**	**1,536.3182**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.3733	2.0000e-004	0.0215	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0460	0.0460	1.2000e-004		0.0490
Unmitigated	4.3733	2.0000e-004	0.0215	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0460	0.0460	1.2000e-004		0.0490

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5167					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8546					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9900e-003	2.0000e-004	0.0215	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0460	0.0460	1.2000e-004		0.0490
Total	**4.3733**	**2.0000e-004**	**0.0215**	**0.0000**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**		**0.0460**	**0.0460**	**1.2000e-004**		**0.0490**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5167					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.8546					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.9900e-003	2.0000e-004	0.0215	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0460	0.0460	1.2000e-004		0.0490
Total	**4.3733**	**2.0000e-004**	**0.0215**	**0.0000**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**		**0.0460**	**0.0460**	**1.2000e-004**		**0.0490**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

ATTACHMENT B

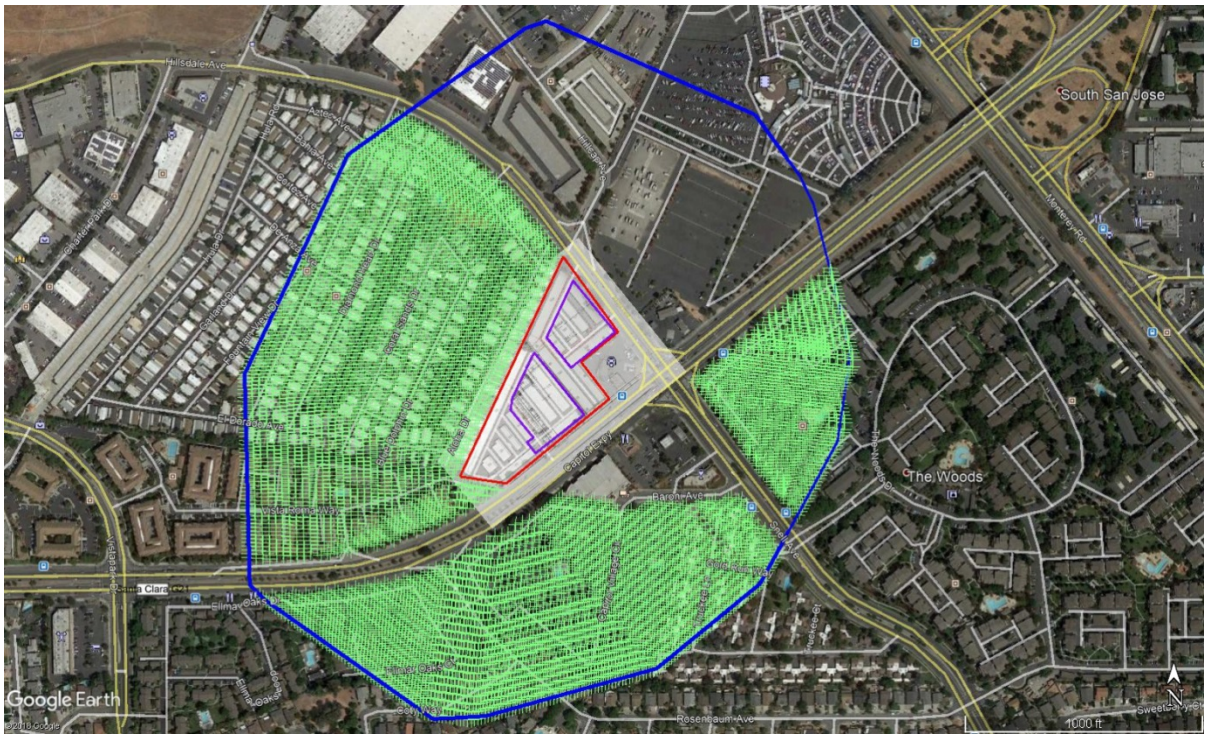
HRA MODEL SNAPSHOTS

Project Boundary

Facility Layout

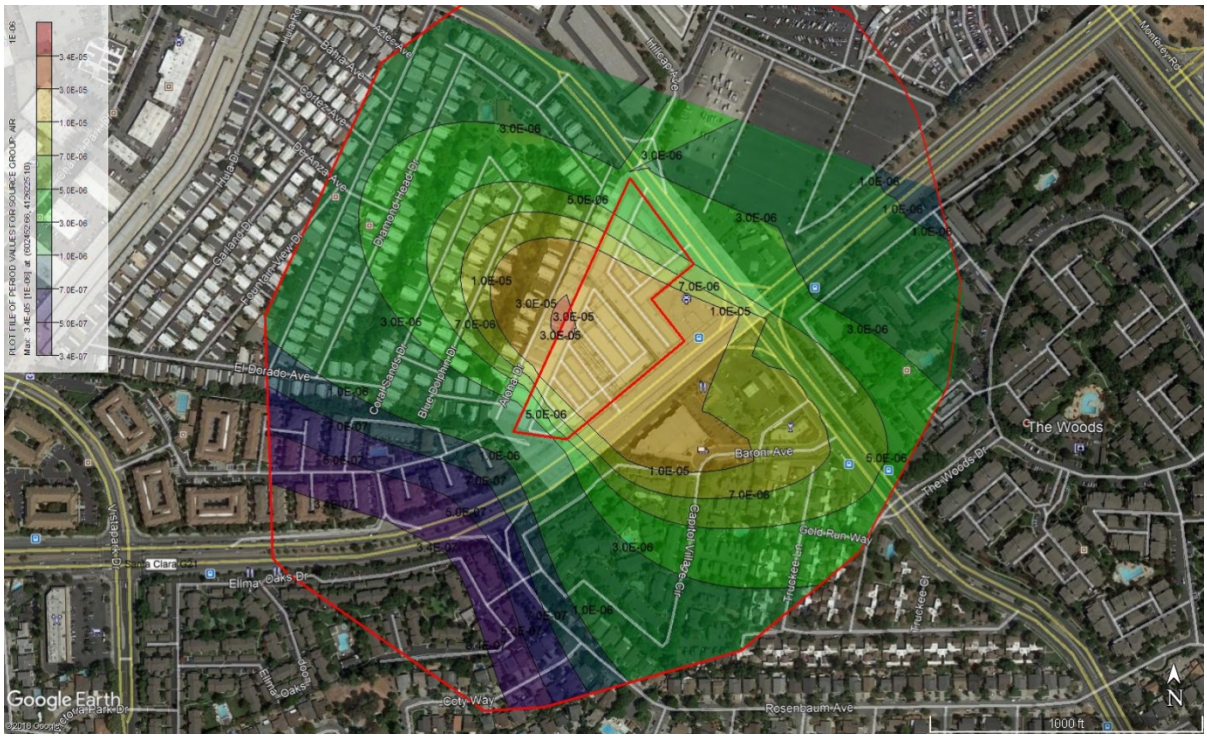
Project Phases

Residential Receptors

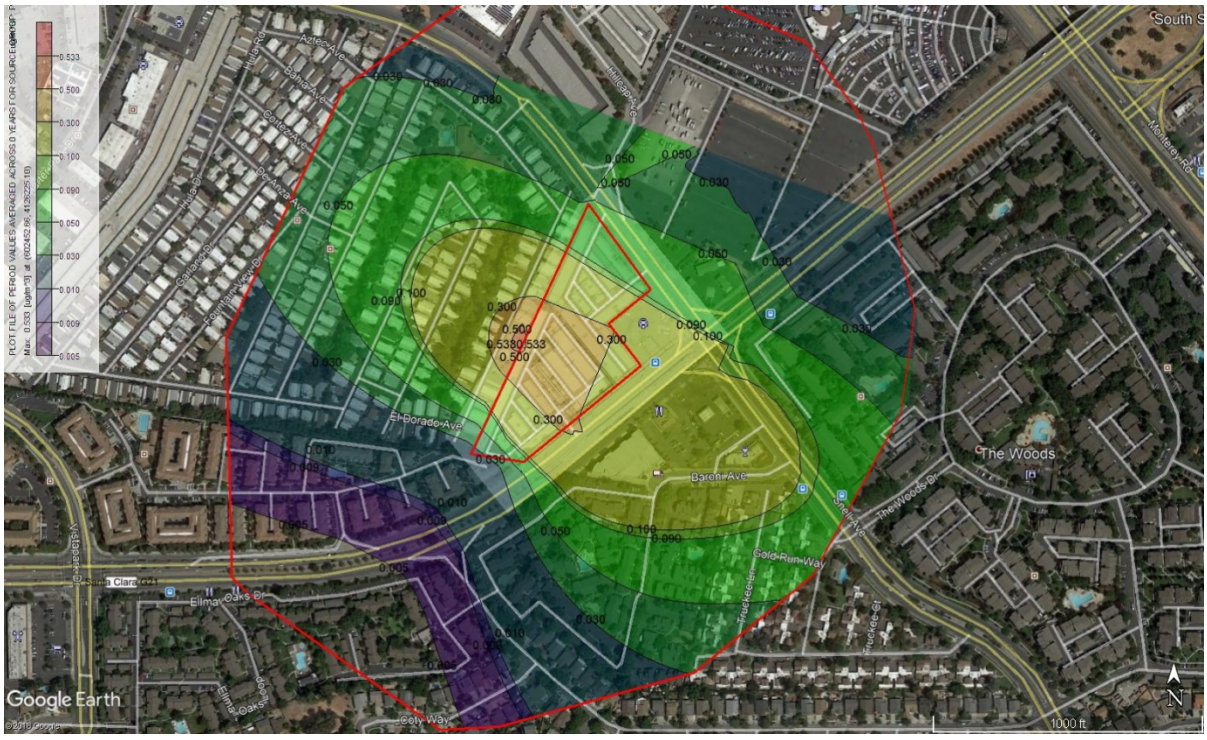


Model Layout

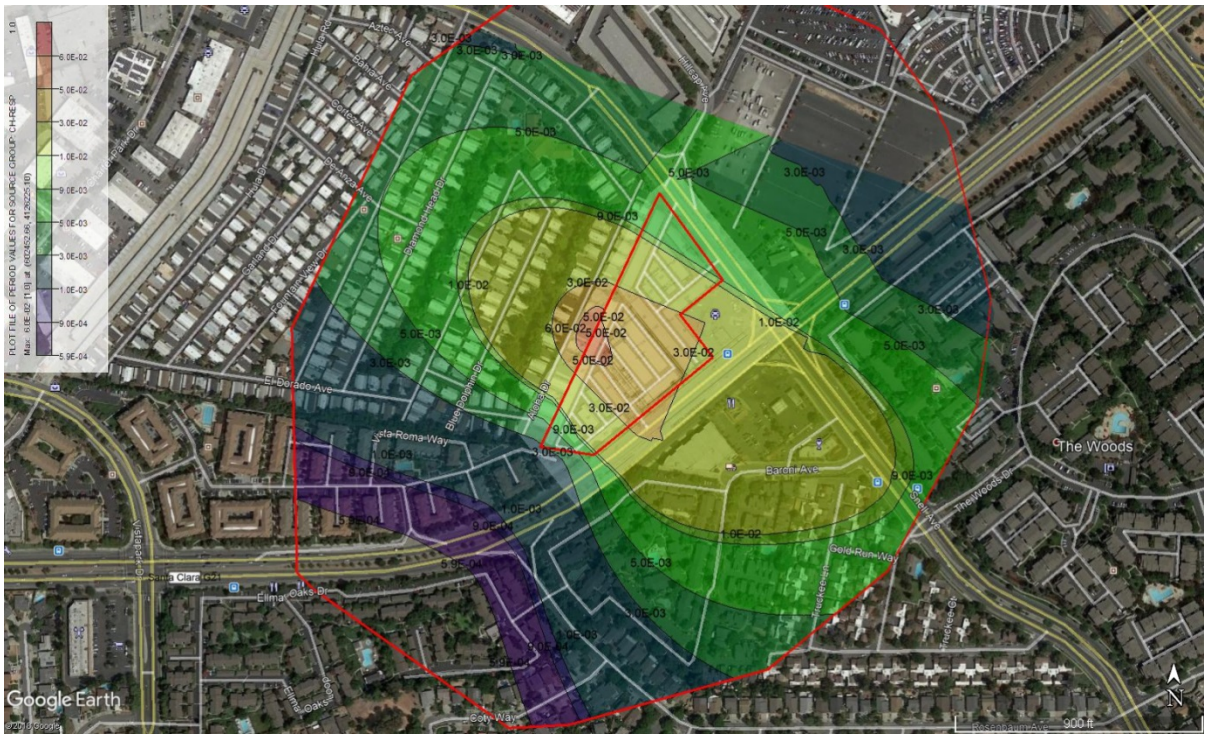
Phase 1 Unmitigated Cancer Risk



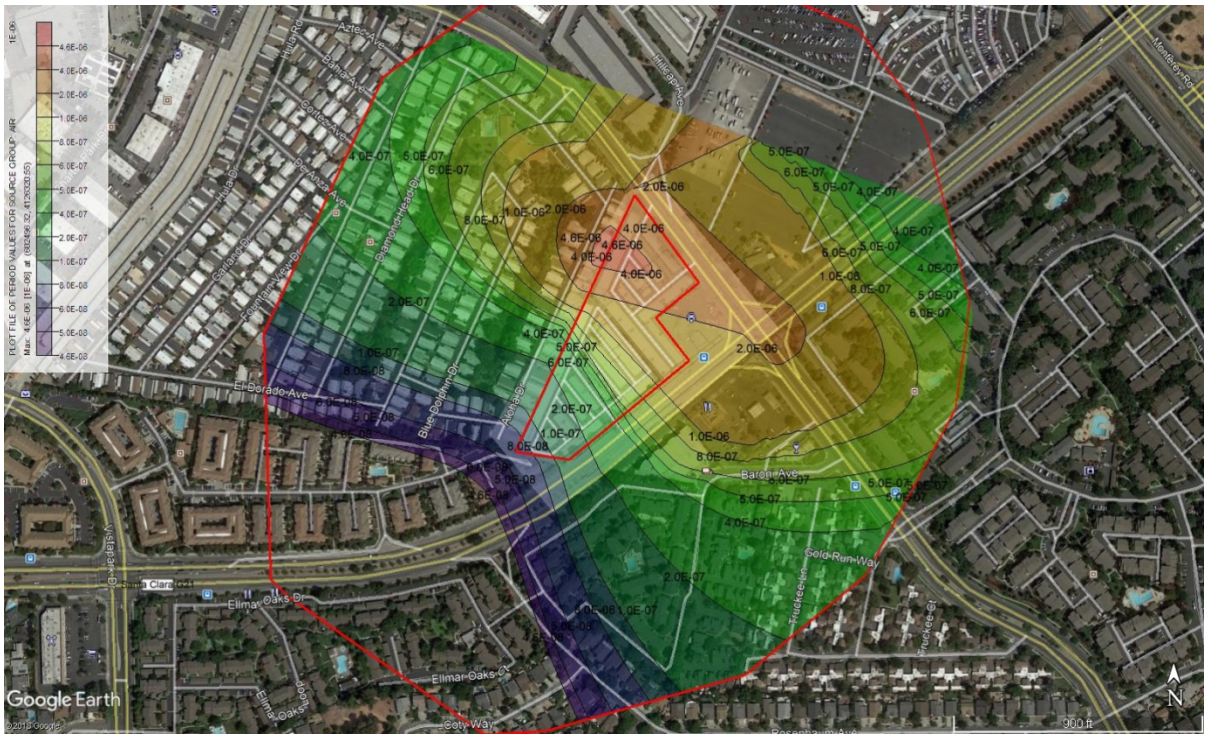
Phase 1 Unmitigated $PM_{2.5}$ Concentrations



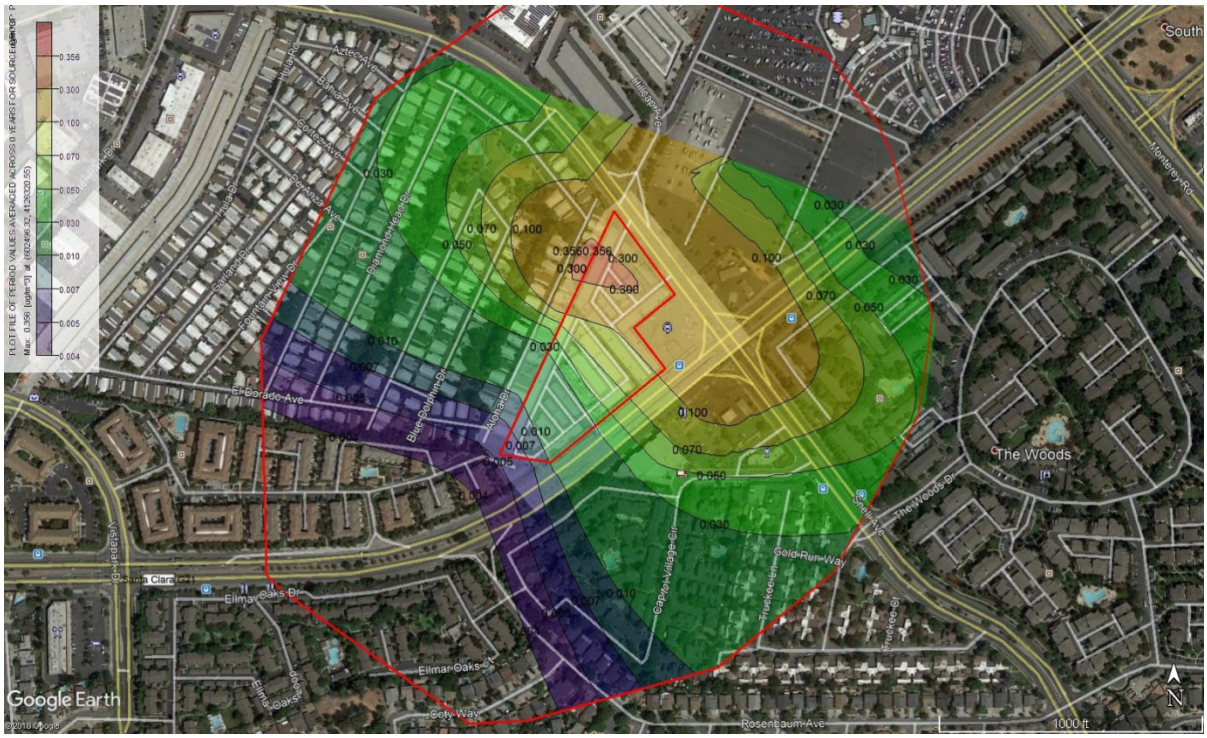
Phase 1 Unmitigated Chronic Inhalation Hazard Index



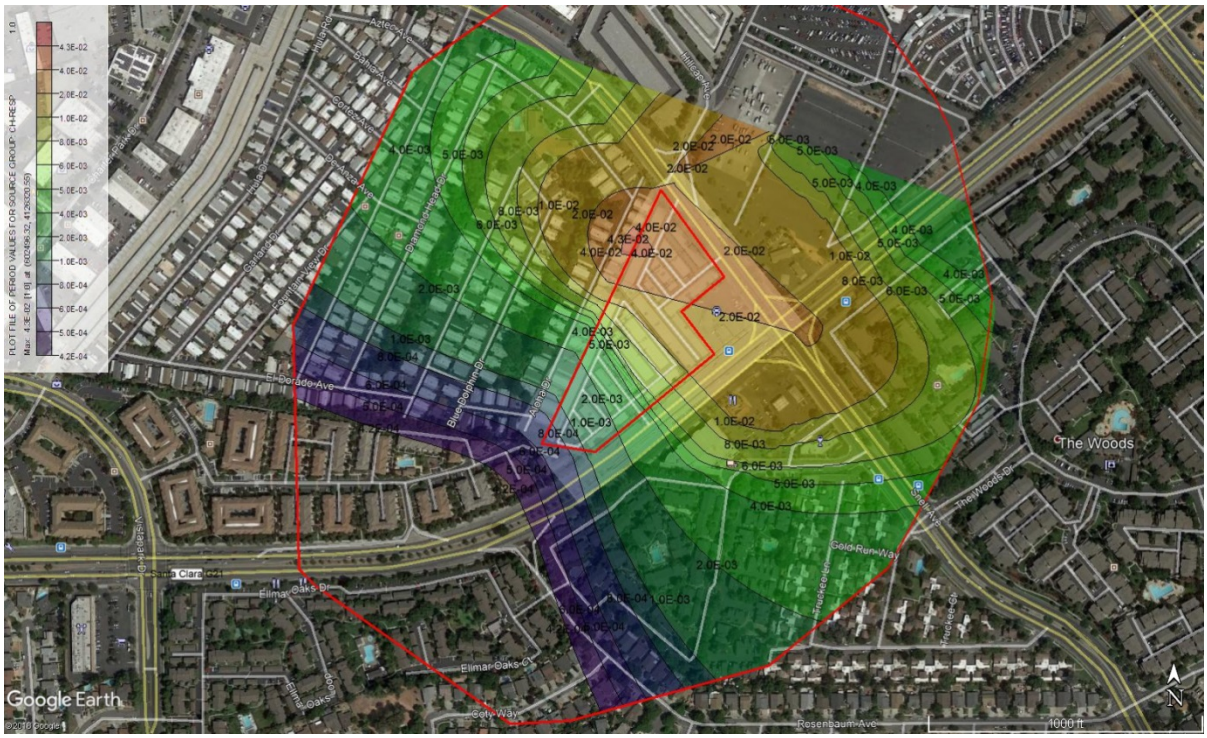
Phase 2 Unmitigated Cancer Risk



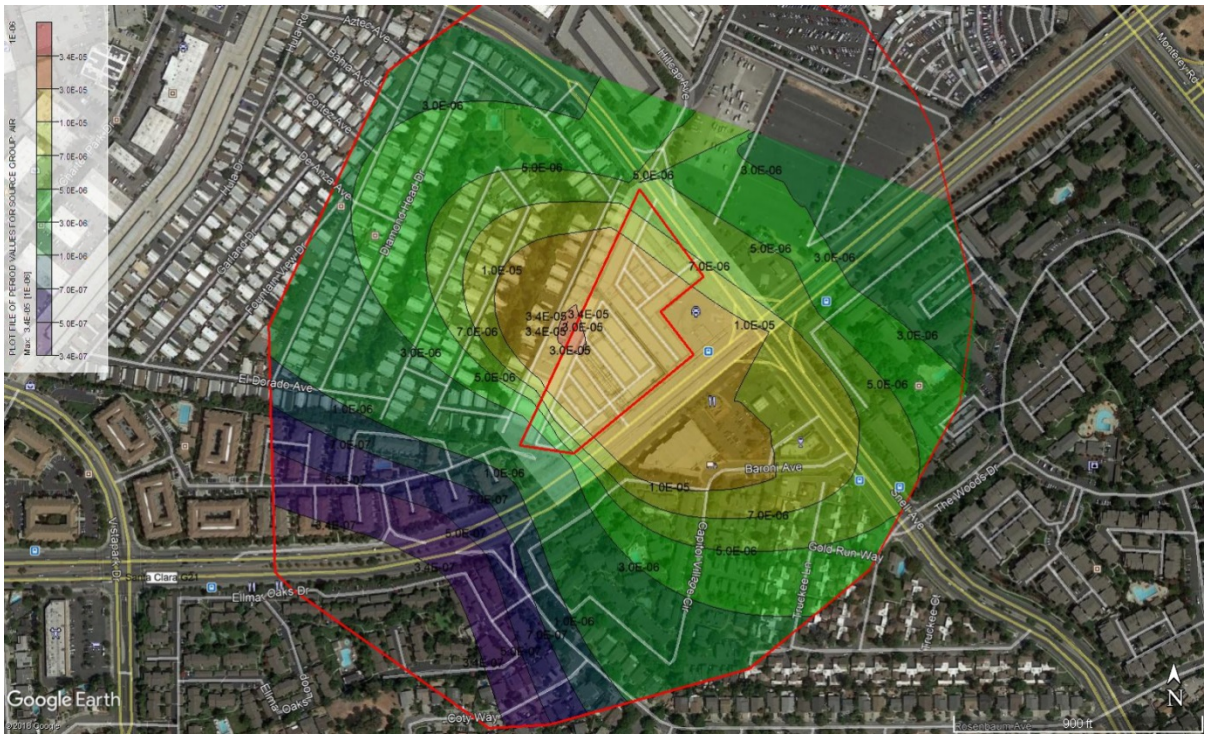
Phase 2 Unmitigated $PM_{2.5}$ Concentrations



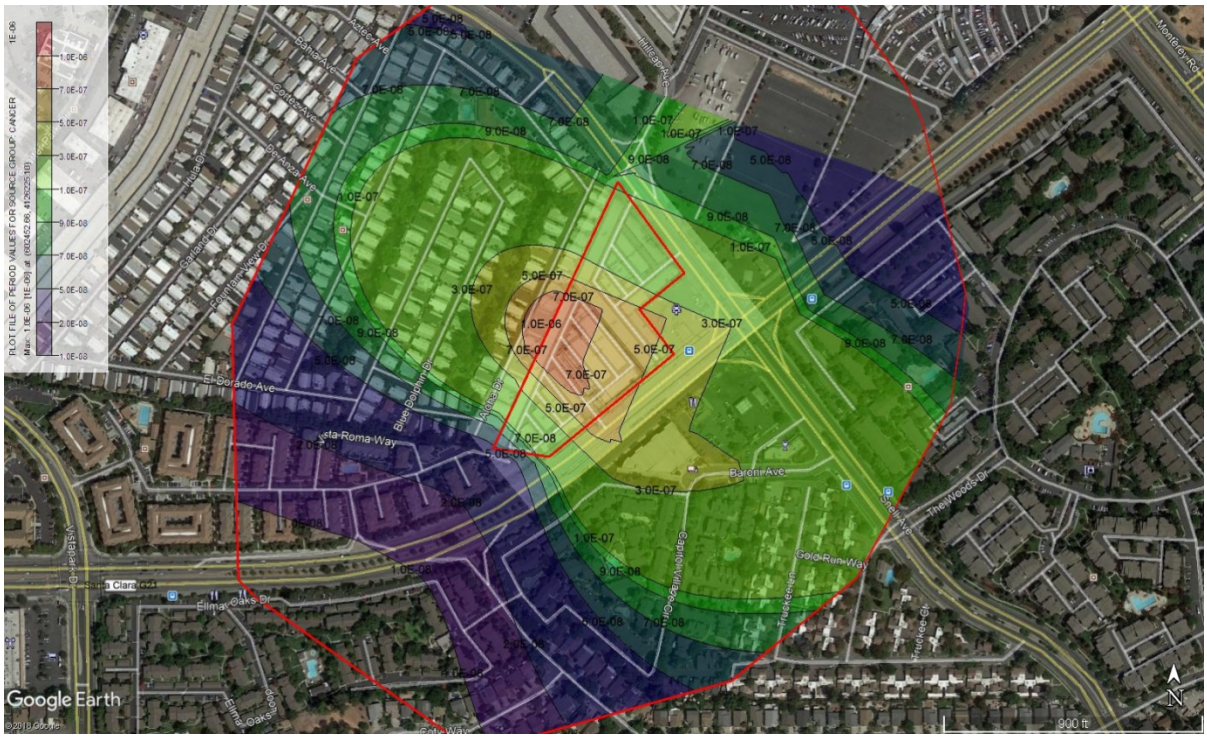
Phase 2 Unmitigated Chronic Inhalation Hazard Index



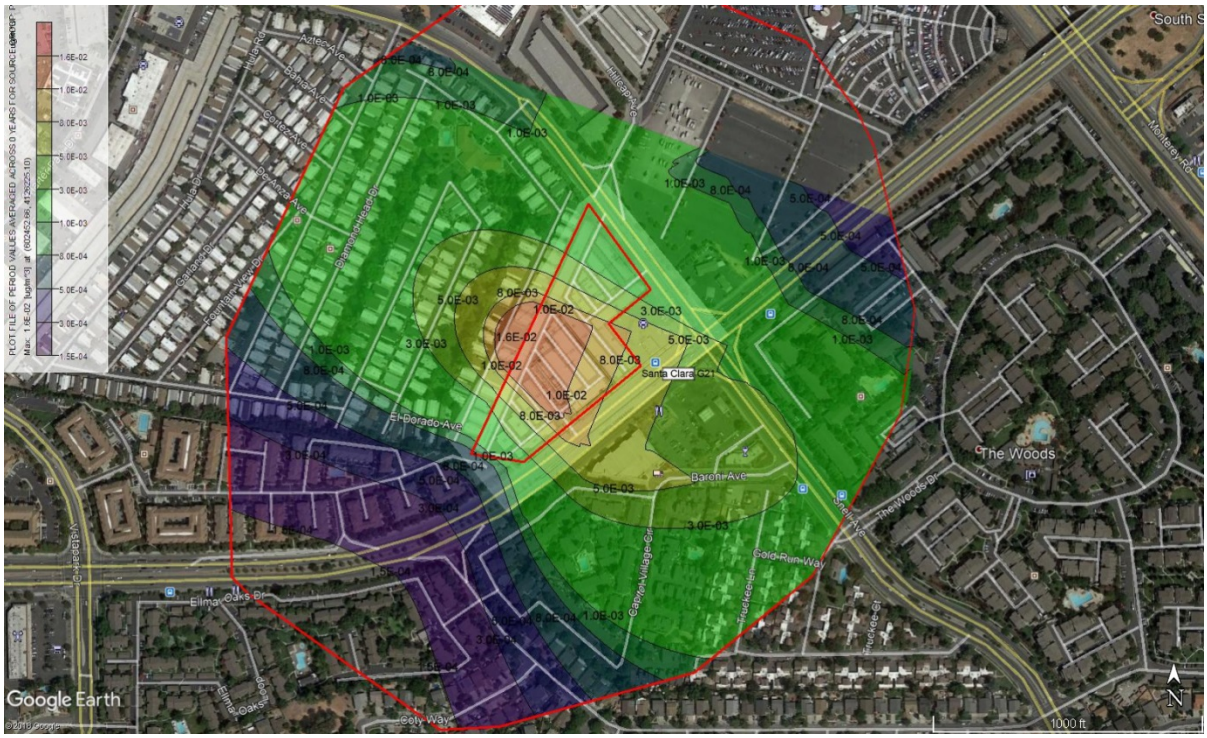
Total Project Unmitigated Cancer Risk



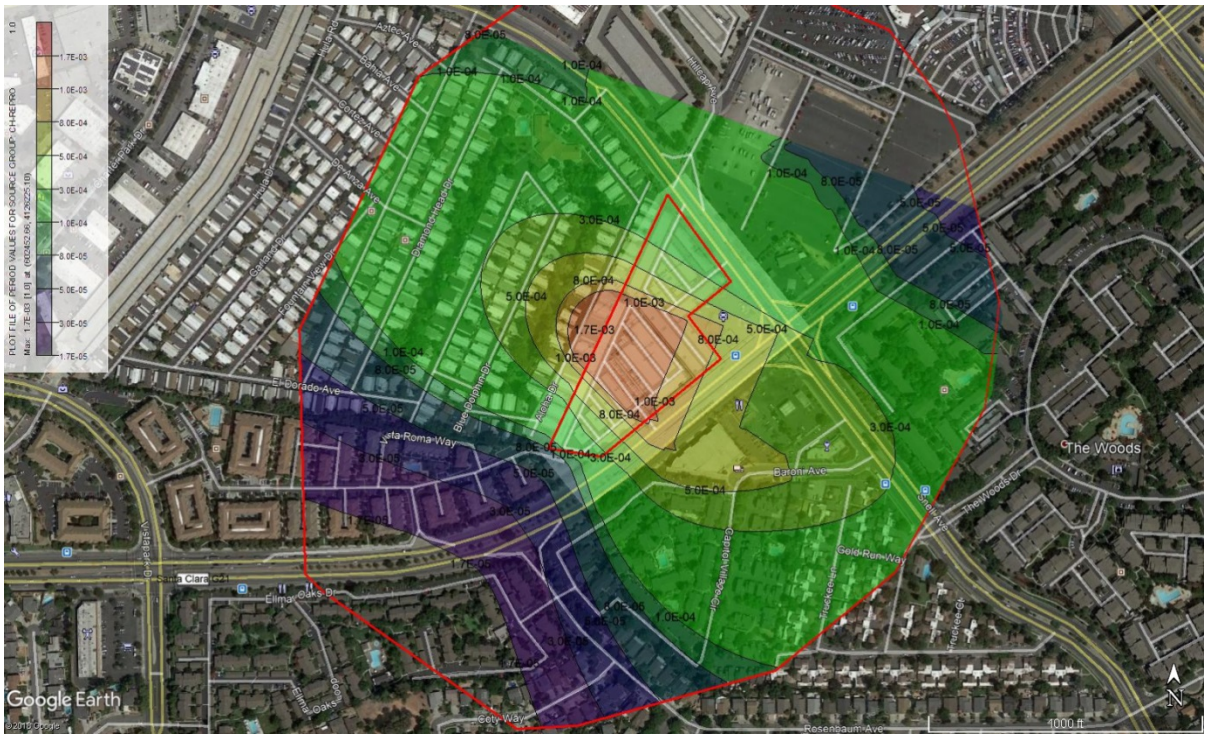
Phase 1 Mitigated Cancer Risk



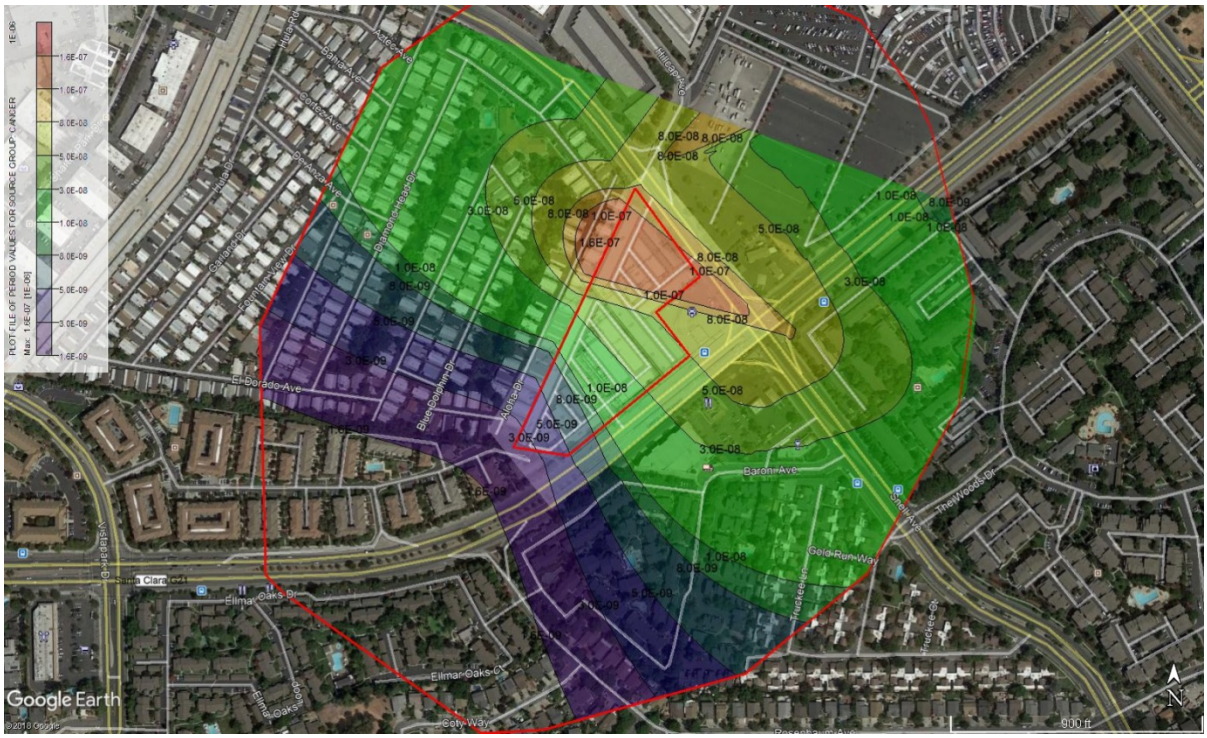
Phase 1 Mitigated $PM_{2.5}$ Concentrations



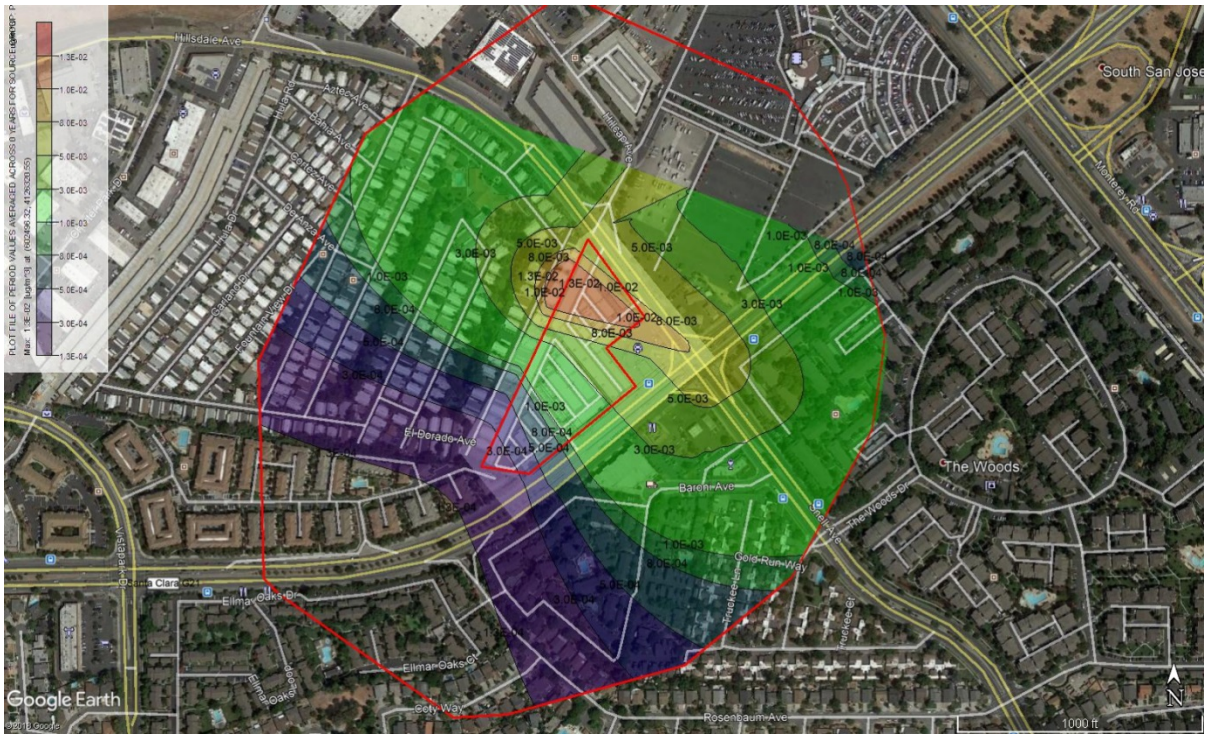
Phase 1 Mitigated Chronic Inhalation Hazard Index



Phase 2 Mitigated Cancer Risk



Phase 2 Mitigated $PM_{2.5}$ Concentrations



Phase 2 Mitigated Chronic Inhalation Hazard Index

Total Project Mitigated Cancer Risk