Appendix B:

Air Quality, Greenhouse Gas Emissions, and Energy Supporting Information

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B.1 - Air Quality, Greenhouse Gas Emissions, and Energy Modeling Outputs

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FCS
An ADEC Innovation

Montague Point Industrial Project

Draft Air Quality, Greenhouse Gas Emissions, and Energy Analysis Report

City of San José, California

PREPARED FOR:

McManagement Services, Inc.
210 Almendra Avenue
Los Gatos, CA 95030

Contact: Joe Gogglano, Director of Development

LEAD AGENCY:

City of San José
Department of Planning, Building, and Code Enforcement
200 East Santa Clara Street, Third Floor Tower
San José, CA 95113

Contact: Charlotte Yuen, Planner

PREPARED BY:

FirstCarbon Solutions
2999 Oak Road, Suite 250
Walnut Creek, CA 94597
925.357.2562

Contact: Phil Ault, Director of Air Quality and Noise
Marianne Aydil, PhD, Senior Air Quality Scientist
Jackie Winkel, Senior Air Quality Scientist

January 16, 2026

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ACRONYMS AND ABBREVIATIONS

°F	degrees Fahrenheit
µg/m^3	micrograms per cubic meter
AB	Assembly Bill
ABAG	Association of Bay Area Governments
ACC I & II	Advanced Clean Cars I & II
ACE	Altamont Corridor Express
ACF	Advanced Clean Fleets
ACT	Advanced Clean Trucks
ADMRT	Air Dispersion Modeling and Risk Tool
AERMOD	American Meteorological Society/EPA Regulatory Model
ARB	California Air Resources Board
AQP	Air Quality Plan
ATCM	Airborne Toxic Control Measure
Bay Area Air District	Bay Area Air Quality Management District
BACM	Best Available Control Measures
BACT	Best Available Control Technology
BHP	brake horsepower
BMP	Best Management Practice
BTU	British Thermal Units
CAA	Clean Air Act
CAAQS	California Ambient Air Quality Standards
CAFÉ	Corporate Average Fuel Economy
CalEEMod	California Emission Estimator Model
CALGreen	California Green Building Standards Code
CalRecycle	California Department of Resources Recycling and Recovery
CAP	Climate Action Plan
CAPCOA	California Air Pollution Control Officers Association
CARE	Community Air Risk Evaluation
CCA	Community Choice Aggregation
CCAA	California Clean Air Act
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CH_4	methane

CI	compression ignition
CNG	compressed natural gas
CO	carbon monoxide
CO_2	carbon dioxide
CO_2e	carbon dioxide equivalent
CRA	Congressional Review Act
CRCP	Climate Resilience Comprehensive Plan
DPM	diesel particulate matter
EDFZ	Electricity Demand Forecast Zone
EISA	Energy Independence and Security Act
EMFAC	Emission Factors mobile source emissions model
EPA	Environmental Protection Agency
EV	electric vehicle
EVCS	electric vehicle charging stations
gal/bhp-hr	gallons per brake horsepower hour
GHG	greenhouse gas
GHGRS	Greenhouse Gas Reduction Strategy
GWh	gigawatt-hours
GWP	Global Warming Potential
HARP2	Hot Spots Analysis and Reporting Program Version 2
HFC	hydrofluorocarbon
HHDT	heavy heavy-duty truck
HI	Hazard Index
HRA	Health Risk Assessment
HVAC	heating, ventilation, and air conditioning
I&M	inspection and maintenance
IEPR	Integrated Energy Policy Report
IPCC	Intergovernmental Panel on Climate Change
kWh	kilowatt-hours
LCFS	Low Carbon Fuel Standard
LCI	California Governor's Office of Land Use and Climate Innovation
LDT1	light-duty truck 1 axle
LDT2	light-duty truck 2 axle
LDA	light-duty auto
LI	Limited Industrial
MDV	medium-duty vehicle

MHDT	medium heavy-duty truck
MEIR	Maximally Exposed Individual Resident
MEIW	Maximally Exposed Individual Worker
MERV	Minimum Efficiency Reporting Value
MMT	million metric tons
MP	Industrial Park
mpg	miles per gallon
mph	miles per hour
MT CO_2e	metric tons carbon dioxide equivalent
MW	megawatt
MWh	megawatt-hours
NAAQS	National Ambient Air Quality Standards
N_2O	nitrous oxide
NO_2	nitrogen dioxide
NO_X	oxides of nitrogen
O_3	ozone
OEHHA	Office of Environmental Health Hazard Assessment
OSRC	Open Space and Resource Conservation Element
PBCE	Department of Planning, Building and Code Enforcement
PFC	perfluorocarbon
PG&E	Pacific Gas and Electric Company
PHEV	plug-in hybrid-electric vehicles
PL	Project Level
PM	particulate matter
PM_{10}	particulate matter 10 micrometers or less
$PM_{2.5}$	particulate matter 2.5 micrometers or less
ppm	parts per million
PV	photovoltaic
R&D	research and development
RAST	Risk Assessment Stand-alone Tool
ROG	reactive organic gases
RPS	Renewable Portfolio Standard
SB	Senate Bill
SCP	Sonoma Clean Power
SCS	Sustainable Communities Strategies
SF_6	sulfur hexafluoride

SFBAAB	San Francisco Bay Area Air Basin
SIP	State Implementation Plan
SJCE	San José Clean Energy
SO_2	sulfur dioxide
SORE	Small Off-road Engine
SPC	Standard Permit Condition
TAC	toxic air contaminant
tpy	tons per year
TWh	terrawatt-hour
UTMS	Universal Transverse Mercator System
VMT	Vehicle Miles Traveled
VOC	volatile organic compound
VTA	Santa Clara Valley Transit Authority
ZEV	Zero-Emission Vehicle

1 - INTRODUCTION

1.1 - Project Summary

McManagement Services, Inc. (project applicant) proposes to develop three buildings comprising 437,601 square feet of industrial warehouse development (proposed project) on a 23.75-acre site located at 3050 Zanker Road, 2840—2880 Junction Avenue, and 411 East Plumeria Drive in San José, California (Exhibit 1 and Exhibit 2). The project site is currently developed with five existing structures, including three that are vacant and two that are occupied and operational at the time of this writing.

1.1.1 - Proposed Development

The proposed project would result in the demolition of all existing buildings (including those in operation) and construction of three new speculative industrial warehouse buildings for a range of potential uses, including research and development (R&D) and manufacturing (Exhibit 3).

The proposed project would develop a flexible industrial space that could accommodate an evolving mix of users or tenants for a 100-year period or longer. There are no identified tenants at the time of this writing, so the analysis below assumes the type of industrial uses that are likely to occur based on the project applicant's familiarity with leasing trends for industrial/R&D/manufacturing facilities in San José/Silicon Valley and that represent reasonably conservative assumptions. Table 1 provides a summary of the proposed specifications for all three buildings.

Table 1: Proposed Building Specifications Summary

Specifications	Building 1	Building 2	Building 3
Total Square Footage	142,112 square feet	132,744 square feet	162,745 square feet
Office Square Footage	26,000 square feet	26,000 square feet	26,000 square feet
Maximum Height	47 feet	47 feet	47 feet
Dock Doors	11	11	11
At-Grade Doors	2	2	2
Orientation of Loading Docks	North (facing Montague Expressway)	North (facing Montague Expressway)	Southwest (facing Junction Avenue)

Source: Lowney Architecture, Kier & Wright Civil Engineers and Surveyors, Inc., HMH Engineers. September 22, 2025.

The proposed buildings would cover approximately 39 percent of the total project site. The proposed buildings would be constructed primarily out of concrete tilt-up panels and would incorporate multiple reveals to break down the scale of the buildings. Additionally, the proposed buildings would include

glass windows and skylights with approximately 81 skylights within Building 1, 66 skylights within Building 2, and 92 skylights within Building 3 to provide natural light in the warehouse area. Building entrances would have tinted glazing and overhead steel frame canopies.

1.1.2 - Project Location

The project site is bounded by Junction Avenue to the south, Zanker Road to the west, Montague Expressway to the north, and East Plumeria Drive to the east. The project site is located in an urban area with a mix of surrounding uses including commercial, office, industrial, and residential. In addition, there is a preschool (HeadsUp Montessori, also referred to as the Emerson Montessori School) approximately 800 feet to the south of the project site.

The nearest transit stop is Santa Clara Valley Transportation Authority's (VTA's) 20 Route bus stop, located immediately adjacent to the project site at the corner of East Plumeria Drive and Montague Expressway. This transit line has service from Sunnyvale Transit Center to the Milpitas Bay Area Rapid Transit (BART) station. Additionally, the project site is located approximately 140 feet southwest of the Montague Expressway and River Oaks Parkway transit stop, which serves the VTA Altamont Corridor Express (ACE) Brown Bus with service to the Great America ACE Amtrak Station.

1.1.3 - Access, Circulation, and Parking

Existing vehicular access to the project site is provided by one driveway on Zanker Road, five driveways on Junction Avenue, and one driveway on East Plumeria Drive. Hauler trucks associated with proposed project operations would utilize two of the six driveways along Junction Avenue to access the loading docks for each building.

Concrete sidewalks would be constructed along the façade of each building and associated pedestrian crosswalk striping would be applied throughout the project site to indicate pedestrian path of travel. Pedestrian access would be available at Montague Expressway, Zanker Road, and Junction Avenue.

The proposed project would include approximately 670 total parking spaces. Table 2 provides a summary of the proposed parking spaces.

Table 2: Parking Summary

Parking	Building 1	Building 2	Building 3
Total Parking Spaces	230	192	248
Accessible Parking Spaces	8	8	7
Electric Vehicle Charging Station Spaces	46	4	50
Source: Lowney Architecture, Kier & Wright Civil Engineers and Surveyors, Inc., HMH Engineers, September 22, 2025.			

1.1.4 - Proposed Project Features

Landscaping

The proposed project would require the removal of approximately 222 trees and would incorporate approximately 230,000 square feet of landscaping throughout the project site, including in surface parking areas and around the perimeter of buildings. The landscaping plan includes planting 205 24-inch box trees. Additional landscaping throughout the site would include grasses, shrubs, and ground cover. The proposed landscape plan would include very low to moderate water use plant species. Drip irrigation would be installed for landscaping maintenance.

Sustainability Features

As shown in Table 2, the proposed project would include electric vehicle (EV) charging station spaces throughout the project site. The proposed project would also include heat-reflecting roof material, water efficient landscaping, and low volatile organic compound (VOC)-emitting sealants, adhesives, coating, floorings, and wood materials. Additional sustainability measures include solar "ready" roofs to accommodate future solar arrays on the roofs, as desired by future tenant(s).

Utilities

San José Clean Energy (SJCE) is the City of San José's (City's) Community Choice Aggregation (CCA) program, providing residents and businesses with cleaner, locally controlled electricity options. Under California's CCA law, SJCE purchases renewable energy—such as solar, wind, and hydropower—while Pacific Gas and Electric Company (PG&E) continues to deliver power through utility lines and maintain the grid. Governed by the San José City Council, SJCE reinvests revenues into community programs like EV incentives, energy efficiency rebates, and bill assistance, supporting the City's goal of carbon neutrality by 2030. The proposed project would be constructed as all-electric and would not utilize natural gas.

1.1.5 - Off-site Improvements

The proposed project would construct Class IV bicycle lanes along the project site frontage on Junction Avenue and Zanker Road. These bicycle lanes would include green conflict paint at driveway intersection locations. The proposed bicycle lanes would connect to the existing bicycle lanes on East Plumeria Drive. Additionally, the proposed project would reconstruct the portions of sidewalk on the project site frontage. The proposed project would reconstruct the existing sidewalk along Zanker Road. The northern sidewalk and curb cut at the intersection of Junction Avenue and East Plumeria Drive would also be reconstructed.

1.1.6 - Zoning

The Envision San José 2040 General Plan (General Plan) and the City's zoning designate the project site as Industrial Park (IP). The IP designation is intended to allow a wide variety of industrial uses, such as R&D, manufacturing, assembly, testing, and office. IP-designated areas "may contain a very limited number of supportive and compatible commercial uses, when those uses are of a scale and design providing support only to the needs of businesses and their employees in the immediate industrial area."

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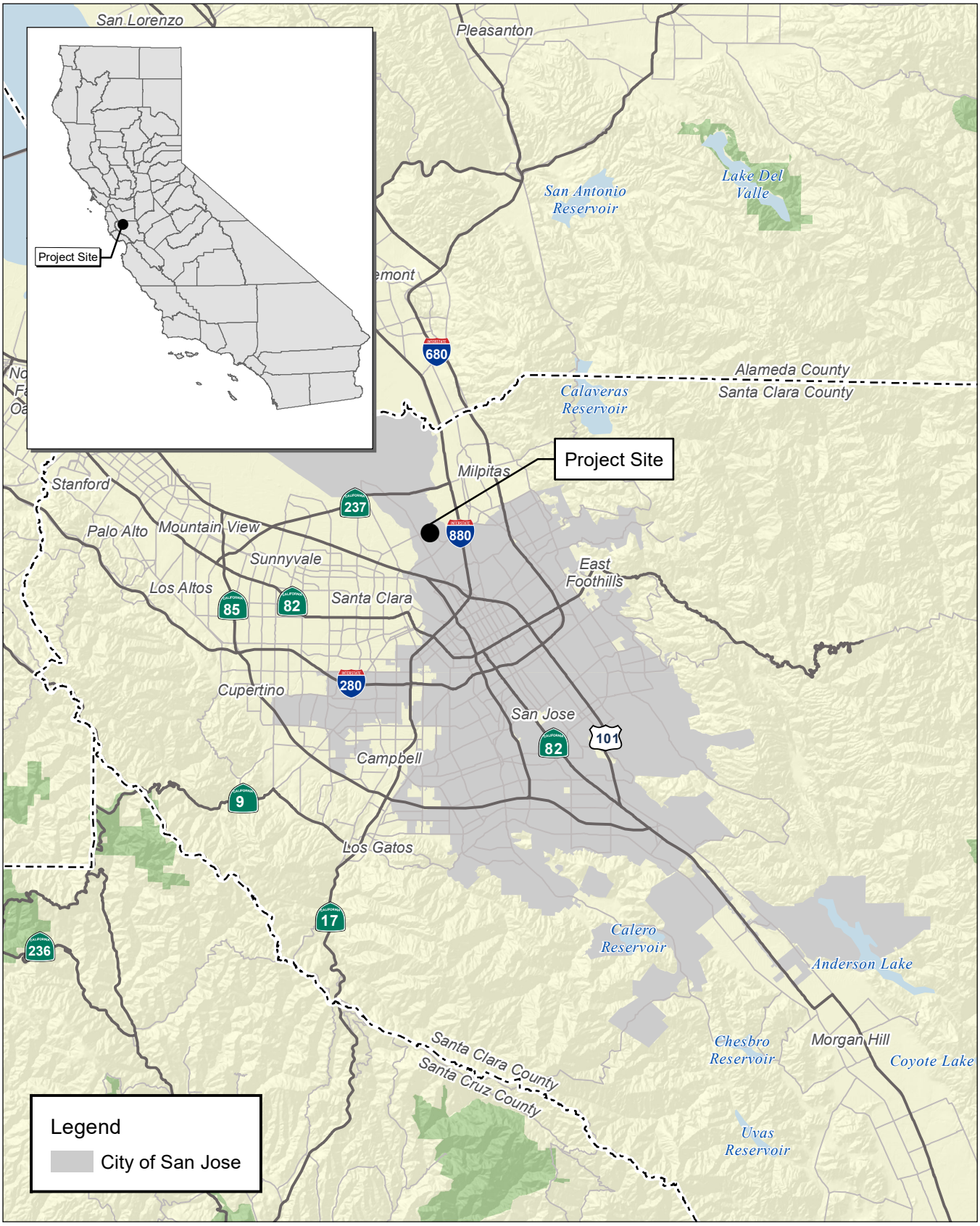

Source: Census Data, The California Spatial Information Library (CaSIL). City of San Jose.

Figure 1
Regional Location Map

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Source: ESRI World Imagery. Kier & Wright Civil Engineers and Surveyors, Inc., 08/22/2025.

1,000 500 0 1,000 Feet

Figure 2
Local Vicinity Map

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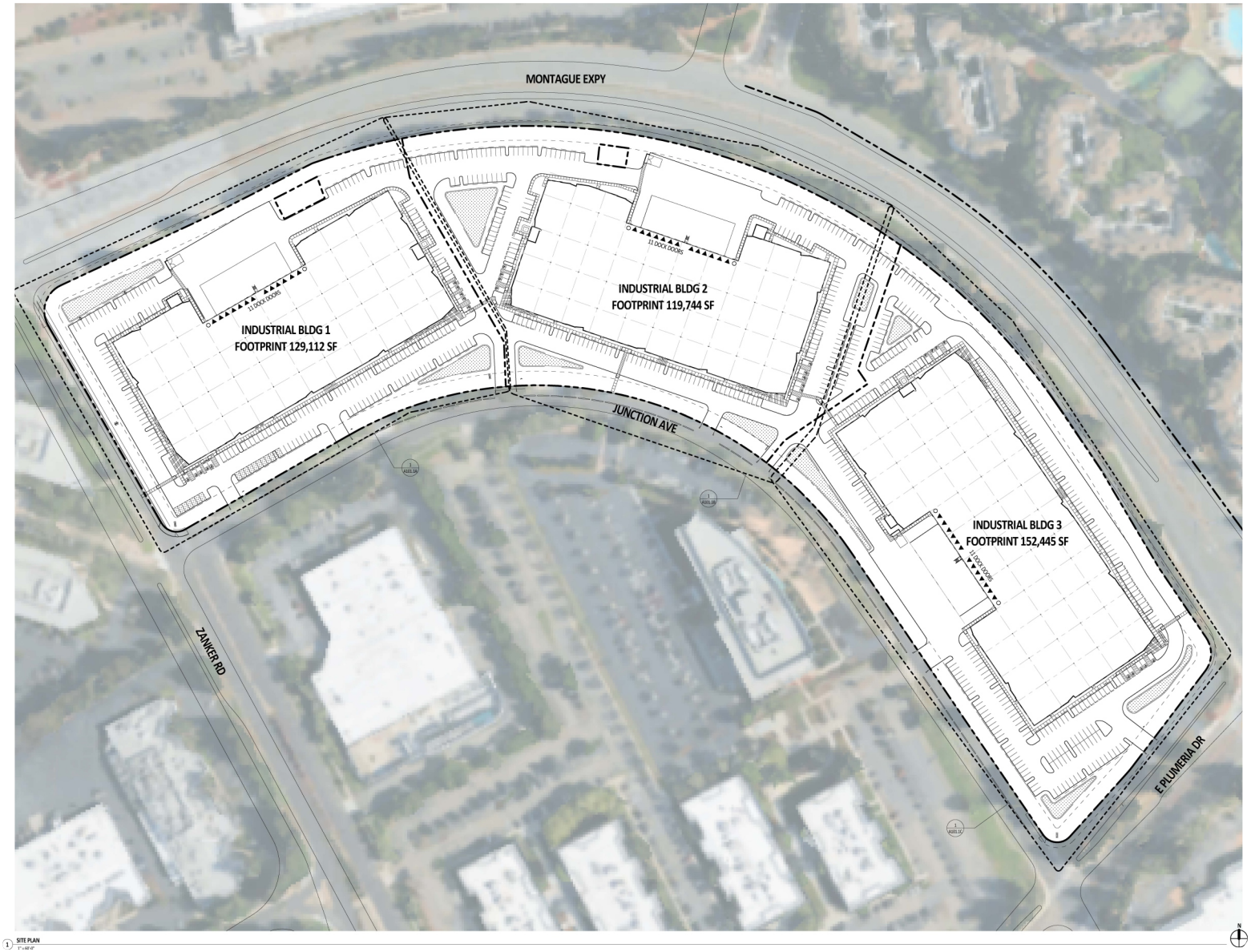

Source: Lowney Architecture, Kier & Wright Civil Engineers and Surveyors, Inc., HMH Engineers, 09/22/2025.

Figure 3
Overall Site Plan

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1.2 - Summary of Analysis Results

The following is a summary of the analysis results. Please refer to the Air Quality, Greenhouse Gas Emissions, and Energy Impact Sections, which provide comprehensive analyses in support of the findings and conclusions of significance.

AIR QUALITY				
Would the project:	**Potentially Significant Impact**	**Less Than Significant With Mitigation Incorporated**	**Less Than Significant Impact**	**No Impact**
1. Conflict with or obstruct implementation of the applicable air quality plan?	☐	☐	☒	☐
2. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or State ambient air quality standard?	☐	☐	☒	☐
3. Expose sensitive receptors to substantial pollutant concentrations?	☐	☐	☒	☐
4. Result in other emissions (such as those leading to odors or) adversely affecting a substantial number of people?	☐	☐	☒	☐

GREENHOUSE GAS EMISSIONS				
Would the project:	**Potentially Significant Impact**	**Less Than Significant With Mitigation Incorporated**	**Less Than Significant Impact**	**No Impact**
1. Generate direct and indirect greenhouse gas emissions that would result in a significant impact on the environment?	☐	☐	☒	☐
2. Conflict with an applicable plan, policy or regulation of an agency adopted to reduce the emissions of greenhouse gases?	☐	☐	☒	☐

ENERGY				
Would the project:	**Potentially Significant Impact**	**Less Than Significant With Mitigation Incorporated**	**Less Than Significant Impact**	**No Impact**
1. Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during construction or operation?	☐	☐	☒	☐
2. Conflict with or obstruct a State or local plan for renewable energy or energy efficiency**?**	☐	☐	☒	☐

1.3 - Standard Permit Conditions Applied to the Proposed Project

The Standard Permit Conditions (SPCs) relevant to the proposed project's impacts are presented below. If the City approves the proposed project, all applicable SPCs would be adopted as conditions of approval and required, as applicable, to be implemented during project construction and operation to address impacts. The SPCs are incorporated and required as part of the proposed project. Therefore, they are not listed as mitigation measures.

1.3.1 - Air Quality

SPC AQ-1 Construction-Related Air Quality

The project applicant shall implement the following measures during all phases of construction to control dust and exhaust at the project site:

- Water all exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) two times per day.
- Cover trucks hauling soil, sand, and other loose materials off-site.
- Remove all visible mud or dirt trackout onto adjacent public roads using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.
- Limit all vehicle speeds on unpaved roads to 15 mph [miles per hour].

- Pave new or improved roadways, driveways, and sidewalks as soon as possible.
- Lay building pads as soon as possible after grading unless seeding or soil binders are used.
- Suspend all excavation, grading and/or demolition activities when average wind speeds exceed 20 mph.
- Wash off all trucks and equipment, including their tires, prior to leaving the site.
- Treat unpaved roads providing access to sites located 100 feet or further from a paved road with a 6- to 12-inch layer of compacted wood chips, mulch, or gravel.
- Minimize idling times either by shutting off equipment when not in use or reducing the maximum idling time to no more than 2 minutes. (A 5-minute limit is required by State Airborne Toxics Control Measures [ATCM]; Title 13, Sections 2449(d)(3) and 2485 of the California Code of Regulations [CCR]). Provide clear signage for construction workers at all access points.
- Maintain and properly tune construction equipment in accordance with manufacturers' specifications. A certified mechanic shall check all equipment and record a determination of "running in proper condition" prior to operation.
- Post a publicly visible sign with the name and phone number of an on-site construction coordinator to contact regarding dust complaints. The on-site construction coordinator shall respond and take corrective action within 48 hours. The sign shall also provide the City's Code Enforcement Complaints email and phone number and the Bay Area Air Quality Management District's (Bay Area Air District's) General Air Pollution Complaints phone number to ensure compliance with applicable regulations.

1.3.2 - Greenhouse Gas Emissions

SPC GHG-1 Proof of Enrollment in SJCE

Prior to issuance of any Certificate of Occupancy for the proposed project, the occupant shall provide to the Director of the Department of Planning, Building and Code Enforcement (PBCE), or the Director's designee, proof of enrollment in the SJCE GreenSource program (approximately 95 percent carbon-free power) or TotalGreen (approximately 100 percent carbon-free power) assumed in the approved environmental clearance for the proposed project in accordance with the California Environmental Quality Act (CEQA). If it is determined the proposed project's environmental clearance requires enrollment in the TotalGreen program, neither the occupant, nor any future occupant, may opt out of the TotalGreen program.

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2 - AIR QUALITY

This section describes the existing air quality setting in the proposed project area as well as the relevant regulatory framework. The "Existing Setting" provides a description of air quality conditions in the region and in the City. The "Regulatory Framework" provides a description of relevant federal, State and local regulatory policies that serve to reduce air pollutants and are applicable to the proposed project.

2.1 - Existing Setting

2.1.1 - Regional Air Basin Overview–San Francisco Bay Area

The project site is within the San Francisco Bay Area Air Basin (SFBAAB) which covers Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, and parts of Solano and Sonoma counties and is under the Bay Area Air Quality Management District's (Bay Area Air District) jurisdiction. The SFBAAB is bordered by the Pacific Ocean to the west and surrounded by coastal and inland mountain ranges that influence local airflow and pollutant dispersion.

The region has a Mediterranean climate with mild, wet winters and warm, dry summers. Prevailing westerly and northwesterly winds, driven by marine influences, generally help disperse pollutants inland. In summer and early fall, high temperatures and sunlight promote ozone formation, and occasional inversions can trap this pollution near the surface, particularly in inland valleys. In winter, strong temperature inversions are more frequent, limiting vertical air mixing and allowing fine particulate matter ($PM_{2.5}$) from wood-burning, traffic, and other sources to accumulate. Topography and seasonal weather create distinct microclimates; coastal areas benefit from stronger ventilation, while sheltered interior areas are more prone to pollutant buildup.

2.1.2 - Air Pollutants and Health Effects

Criteria Air Pollutants

Criteria pollutants are a group of common air pollutants identified by the United States Environmental Protection Agency (EPA) and the California Air Resources Board (ARB) based on their widespread presence and potential to harm public health and the environment. These include ozone (O_3), particulate matter (PM_{10} and $PM_{2.5}$), nitrogen dioxide (NO_2), carbon monoxide (CO), sulfur dioxide (SO_2), and lead. Unlike the other criteria pollutants, ozone is not directly emitted but is formed secondarily in the atmosphere through photochemical reactions involving nitrogen oxides (NO_X) and reactive organic gases (ROG) in the presence of sunlight. Criteria air pollutants primarily originate from combustion processes such as vehicle and equipment exhaust, industrial activities, and natural sources like wildfires.

Scientific evidence has linked exposure to these criteria air pollutants with significant health effects, especially in sensitive populations such as children, the elderly, and individuals with preexisting

respiratory or cardiovascular conditions. Ozone and particulate matter are particularly harmful, as they can trigger asthma attacks, reduce lung function, and increase the risk of heart and lung disease. Carbon monoxide can impair oxygen delivery in the body, leading to dizziness, fatigue, and in severe cases, death. Nitrogen dioxide and sulfur dioxide can irritate the respiratory system and worsen conditions like bronchitis and asthma with prolonged exposure. Overall, epidemiological and toxicological studies show that exposure to criteria air pollutants can cause or worsen respiratory and cardiovascular disease, impair lung development in children, and increase the risk of premature death.

Toxic Air Contaminants

Toxic air contaminants (TACs) are pollutants known or suspected to cause serious health effects, including cancer and neurological damage, even at low exposure levels. TACs encompass a wide variety of chemicals, such as diesel particulate matter, benzene, and formaldehyde, that come from specific industrial processes, vehicle emissions, solvent use, and other sources.

Exposure to TACs has been linked through epidemiological and toxicological studies to increased lifetime cancer risk, respiratory irritation, and developmental impacts. Unlike criteria pollutants, TACs have no ambient air quality standards; instead, the ARB and local air districts implement control measures and permitting programs to reduce emissions and minimize public exposure. While criteria pollutants are regulated with established ambient air quality standards to protect public health broadly, TACs are managed through targeted risk assessments and control measures focused on reducing exposure to the most harmful pollutants.

2.1.3 - Regional Sources of Air Pollution

Air pollution from criteria air pollutants and TACs arises from a combination of sources in the SFBAAB. **Mobile sources,** including on-road vehicles and off-road equipment, generate significant emissions of NO_X, ROG, CO and particulate matter. Diesel particulate matter (DPM)—the primary TAC in the SFBAAB—is emitted from diesel engines, including trucks and off-road equipment. Mobile sources are the largest contributors to ozone precursors and localized air pollution in the SFBAAB. **Stationary sources,** such as industrial facilities, refineries, power plants, and manufacturing operations, emit criteria pollutants and TACs. Although emissions from these sources have declined over time due to regulatory controls, they remain important contributors, especially to localized TACs. **Area sources** are smaller, dispersed sources, such as residential wood-burning, architectural coatings, and consumer products contribute to regional pollutant levels. **Natural sources** are vegetation and wildfires, which also intermittently contribute to particulate matter and ozone precursor emissions, especially during dry, warm conditions.

2.1.4 - Local Sources of Air Pollution

Local sources of air pollution (within 1,000 feet of the project site boundaries) are existing sources of criteria air pollutants and TACs. Sources include on-road vehicles traversing the surrounding roadway network including Montague Expressway, Zanker Road, and West Plumeria Drive, as well as

stationary sources from nearby commercial and industrial facilities. The stationary sources are primarily backup diesel generators at commercial establishments; however, there are light industrial uses nearby as well, including machine manufacturing and semiconductor manufacturing.

2.1.5 - Air Quality in the SFBAAB

Air Monitoring

To assess air pollution levels and overall air quality in the SFBAAB, the Bay Area Air District operates an extensive network of ambient air quality monitoring stations distributed across the nine-county region. The monitoring network plays a critical role in measuring ambient air pollutant levels and tracking trends. These data support the development of air quality management strategies. The stations continuously measure concentrations of key pollutants, including:

- O_3
- PM_{10} and $PM_{2.5}$
- NO_2
- CO
- SO_2

Data from these stations are collected, validated, and reported on an ongoing basis to provide a comprehensive understanding of air quality. The network employs standardized measurement techniques and adheres to protocols set by the ARB and the EPA to ensure accuracy and comparability of data.

The air monitoring station closest to the proposed project is located at 158B Jackson Street in San José approximately 4 miles to the southwest of the project site. Ambient monitoring data showing the maximum concentrations along with the number of days the measurements exceeded the California Ambient Air Quality Standards (CAAQS) and National Ambient Air Quality Standards (NAAQS) are summarized below in Table 3.

Table 3: Local Air Monitoring Data (2022–2024)

Air Pollutant	Averaging Time	Item	2022	2023	2024
Ozone (O_3)[1]	1-hour	Max 1 Hour (ppm)	0.09	0.087	0.04
		Days > State Standard (0.09 ppm)	0	0	0
	8-hour	Max 8 Hour (ppm)	0.074	0.068	0.035
		Days > Standard (0.070 ppm)	1	0	0
Nitrogen Dioxide (NO_2)[1]	Annual	Annual Average (ppm)	0.009	0.009	*
	1-hour	Max 1 Hour (ppm)	0.0468	0.0587	0.0378
		Days > State Standard (0.18 ppm)	0	0	0

Air Pollutant	Averaging Time	Item	2022	2023	2024
Coarse Particulate Matter (PM_{10})[2]	Annual	National Annual Average (µg/m^3)	20.5	*	*
	24-hour	Highest State 24 Hour (µg/m^3)	**41.1**	*	*
		Days > State Standard (50 µg/m^3)	**0**	0	**1**
		Days > National Standard (150 µg/m^3)	0	0	0
Fine Particulate Matter ($PM_{2.5}$)[1]	Annual	State Annual Average (12 µg/m^3)	**10.2**	8.2	8
	24-hour	Highest Daily 24 Hour (µg/m^3)	36.2	49	**39.7**
		Days > National Standard (35 µg/m^3)	2	1	**1**

Notes:
> = exceed
µg/m^3 = micrograms per cubic meter
Bold = exceedance
max = maximum
National Standard = National Ambient Air Quality Standard (NAAQS)
"*" = no data
ppm = parts per million
State Standard = California Ambient Air Quality Standard

[1] Data is extracted from station at intersection of 158B Jackson Street, San José, approximately 4 miles southwest of the project site.

[2] In February 2024, the United States Environmental Protection Agency (EPA) announced the agency's proposed rule change of reducing the primary annual $PM_{2.5}$ NAAQS from 12 µg/m^3 to 9 µg/m^3. Meanwhile, the monitoring data available before year 2024 would be compared with the previous standard of 12 µg/m^3.

Source: California Air Resources Board (ARB). Top Four Summary. Website: https://www.arb.ca.gov/adam/topfour/topfour1.php. Accessed October 15, 2025.

Analysis of recent data (typically the past 3 to 5 years) from across Bay Area Air District's entire monitoring network indicates:

- **Ozone**: The SFBAAB frequently experiences exceedances of both State and federal 8-hour ozone standards, especially during summer months when photochemical reactions peak. Ozone remains a key pollutant of concern in the region.
- **Particulate Matter**: Occasional exceedances of PM standards occur, often linked to wildfire smoke, construction activity, and atmospheric conditions limiting dispersion. $PM_{2.5}$ levels are closely monitored due to their health impacts.
- **Nitrogen Dioxide, Carbon Monoxide and Sulfur Dioxide**: Concentrations of these pollutants have generally remained below State and federal standards in recent years, reflecting effective emission control programs.

Table 4 summarizes the applicable California and federal ambient air quality standards for criteria pollutants, their averaging times, and the SFBAAB's attainment status with respect to each standard. Because of periodic exceedances of ozone and particulate matter standards, the SFBAAB is designated as a **nonattainment** area under both California and federal Clean Air Act requirements (described in greater detail under Regulatory Context).

Table 4: State and National Criteria Pollutant Standards and SFBAAB Attainment

Pollutant	Averaging Time	California Standards		National Standards	
Ozone (O_3)	1-hour	0.09 ppm	Nonattainment	—	See footnote [1]
	8-hour	0.070 ppm	Nonattainment	0.070 ppm	Nonattainment
Particulate Matter (PM_{10})	AAM	20 µg/m^3	Nonattainment	—	—
	24-hour	50 µg/m^3	Nonattainment	150 µg/m^3	Unclassified
Fine Particulate Matter ($PM_{2.5}$)	AAM	12 µg/m^3	Nonattainment	9.0 µg/m^3	Unclassified
	24-hour	—	—	35 µg/m^3	Nonattainment
Carbon Monoxide (CO)	1-hour	20 ppm	Attainment	35 ppm	Attainment
	8-hour	9.0 ppm	Attainment	9 ppm	Attainment
Nitrogen Dioxide (NO_2)	AAM	0.030 ppm	Attainment	0.053 ppm	Attainment
	1-hour	0.18 ppm	Attainment	0.100 ppm	See footnote [2]
Sulfur Dioxide (SO_2)	AAM	—	—	0.030 ppm	See footnote [3]
	24-hour	0.04 ppm	Attainment	—	—
	1-hour	0.25 ppm	Attainment	0.075 ppm	See footnote [3]
Lead	30-day average	1.5 µg/m^3	Attainment	—	—
	Calendar quarter	—	—	1.5 µg/m^3	Attainment
	Rolling 3month average	—	—	0.15 µg/m^3	See footnote [4]
Sulfates	24-hour	25 µg/m^3	Attainment	No Federal Standards	
Hydrogen Sulfide	1-hour	0.03 ppm (42 µg/m^3)	Unclassified		
Vinyl Chloride	24-hour	0.01 ppm (42 µg/m^3)	No information available		
Visibility-Reducing Particle Matter	8-hour	See footnote [5]	Unclassified		

Notes:
µg/m^3 = micrograms per cubic meter
AAM = annual arithmetic mean
ppm = parts per million

Pollutant	Averaging Time	California Standards	National Standards

[1] The national 1-hour ozone standard was revoked by United States Environmental Protection Agency (EPA) on June 15, 2005.
[2] 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 0.1 ppm (effective January 22, 2010).
[3] On June 2, 2010, the EPA 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 existing 0.03 ppm annual and 0.14 ppm 24-hour SO_2 National Ambient Air Quality Standards (NAAQS), however, must continue to be used until 1 year following EPA initial designations of the new 1-hour SO_2 NAAQS.
[4] National lead standard, rolling 3-month average: final rule signed October 15, 2008. Final designations effective December 31, 2011.
[5] Statewide Visibility-Reducing Particles (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.

Source: Bay Area Air Quality Management District (Bay Area Air District). Air Quality Standards and Attainment Status. Website: https://www.baaqmd.gov/about-air-quality/research-and-data/air-quality-standards-and-attainment-status#fourteen. Accessed January 5, 2026.

2.2 - Regulatory Framework

As outlined above, a variety of emission sources contribute to the formation of air pollution from criteria air pollutants and TACs. Exposure to these pollutants is linked by extensive scientific evidence to respiratory and cardiovascular disease, cancer risk, developmental impacts, and premature mortality, particularly among sensitive populations. To address these risks and reduce air pollution, air quality is regulated at the federal, State, regional and local levels, as described below.

2.2.1 - Federal

United States Environmental Protection Agency

At the federal level, air quality is primarily governed by the Clean Air Act (CAA), originally enacted in 1970 and most recently amended in 1990. The EPA is responsible for implementing the CAA and establishing NAAQS for the six criteria pollutants described above. These standards are designed to protect public health and the environment and are used to determine whether geographic areas are in attainment or nonattainment for each pollutant.

Local land use projects are indirectly regulated under the federal framework through State Implementation Plans (SIPs), which outline how each state will achieve and maintain compliance with NAAQS. Local air districts, such as the Bay Area Air District, enforce SIP-approved rules and regulations affecting construction, transportation, and stationary sources.

While the CAA does not directly regulate land development, federal air quality goals influence indirect source review, general conformity requirements, and transportation planning, particularly in

nonattainment areas. For large projects, particularly those receiving federal funding or permits, the General Conformity Rule may apply, requiring a demonstration that the project will not interfere with a state's plan to meet federal air quality standards. Additionally, Title V of the CAA establishes permitting requirements for major stationary sources of air pollution. Most local land use development projects do not reach this threshold unless they involve large industrial components.

2.2.2 - State

California Air Resources Board

The ARB, part of the California Environmental Protection Agency (Cal/EPA), is the primary agency responsible for air quality regulation in California. ARB oversees the implementation of the SIP, enforces both federal and State air quality laws, and regulates emissions from mobile and stationary sources, including motor vehicles and fuels sold in California.

Criteria Air Pollutants

ARB establishes CAAQS, which cover the same criteria pollutants as the federal NAAQS, and include additional pollutants such as sulfates, hydrogen sulfide, vinyl chloride, and visibility-reducing particulates. In most cases, CAAQS are more stringent than the federal standards and are legally enforceable under the California Clean Air Act (CCAA). ARB implements programs to reduce criteria pollutant emissions from mobile sources through fuel regulations, emission standards, and clean vehicle mandates that indirectly reduce air quality impacts from land use development. These regulations often have the co-benefit of reducing TAC emissions as well as greenhouse gas (GHG) emissions.

Senate Bill 375–Sustainable Communities and Climate Protection Act

Senate Bill (SB) 375 aligns regional transportation planning with State GHG reduction goals by requiring the development of Sustainable Communities Strategies (SCS). These strategies promote infill and transit-oriented development, which reduce Vehicle Miles Traveled (VMT) and associated emissions of criteria air pollutants.

California Vehicle and Fuel Regulations

ARB has implemented numerous mobile source emission reduction programs aimed at reducing emissions from both passenger vehicles and goods movement. These include:

- **Advanced Clean Cars (ACC I & II):** Mandates more stringent vehicle emission standards and increased adoption of Zero-Emission Vehicles (ZEVs). ACC II received an EPA CAA waiver in early 2025; later in 2025, Congress passed Congressional Review Act resolutions that rescinded/nullified EPA's waiver decision for ACC II. Enforcement remains the subject of ongoing litigation and State actions (e.g., Executive Order N-27-25 and ARB's Drive Forward Light-duty Vehicle Program).
- **Low Carbon Fuel Standard (LCFS):** Reduces lifecycle carbon intensity of transportation fuels, which also reduces criteria pollutant emissions.

- **Advanced Clean Trucks (ACT):** Adopted by ARB and designed to accelerate the transition public and private fleets to ZEV over time, targeting drayage, high-priority, and government fleets. However, the regulation has faced legal challenges, primarily from truck manufacturers and other states, leading to enforcement delays and partial repeals. ACT rules require a waiver from the EPA to be enforceable; in 2025, California withdrew its waiver request, halting enforcement of key provisions of the rule.
- **Advanced Clean Fleets (ACF):** Adopted by ARB and designed to increase the percentage of ZEVs in California, targeting medium- and heavy-duty vehicles. Similar to ACT, the ACF regulation has faced legal challenges and also requires a waiver from EPA to be enforceable; California withdrew its waiver request in 2025.

Title V Operating Permit Program

In accordance with the federal CAA, Title V permits are required for major stationary sources. The Bay Area Air District region is currently designated nonattainment for several pollutants, including national and State ozone standards and State and national $PM_{2.5}$ and PM_{10} standards. Because the SFBAAB is classified as nonattainment for ozone under both the State and federal standards and is designated marginal nonattainment for the federal 8-hour ozone NAAQS, the major-source threshold for VOCs and NO_X remains lower than in attainment areas. It is subject to more stringent permitting thresholds applicable to nonattainment areas, including enhanced monitoring, compliance demonstrations, public participation, and recordkeeping requirements for Title V facilities.

Toxic Air Contaminants

TACs have no ambient air quality standards and are evaluated based on health risk thresholds (e.g., cancer risk of 10 in 1 million).

Tanner Air Toxics Act

The Tanner Act (1983) authorized ARB to identify and control TACs in California. Once identified, ARB developed (and continues to develop) ATCMs, which are described below, to reduce public exposure.

Air Toxics "Hot Spots" Program (Assembly Bill 2588)

Enacted in 1987, Assembly Bill (AB) 2588 requires certain facilities to report emissions of TACs, perform Health Risk Assessments (HRAs), notify the public if significant health risks are identified, and reduce emissions if necessary.

Key Airborne Toxic Control Measures

ARB has adopted several ATCMs that apply to land use and construction-related activities:

- **Diesel Idling Restrictions:** Limits idling of diesel vehicles over 10,000 pounds to 5 minutes.
- **Stationary Compression Ignition Engine ATCM:** Requires Best Available Control Technology (BACT) and operational limits for stationary diesel engines.

- **In-use Off-road Diesel Vehicle Regulation:** Targets diesel-fueled off-road fleets (e.g., bulldozers, excavators, cranes) by requiring fleet modernization and emissions reductions. Amendments adopted in 2022 ban older high-emitting vehicles from fleets and include additional opportunities to encourage and incentivize zero-emission adoption where feasible.

AB 98 (2024) and SB 415 (2025)

AB 98, signed into law in September 2024, established California's first comprehensive statewide design and operational standards for new and expanded logistics developments, including warehouses and distribution centers. In response to implementation challenges, SB 415 was adopted in 2025 to clarify and refine AB 98's provisions. Key requirements for logistics projects include the installation of energy-saving features such as solar panels and electric vehicle charging stations (EVCSs), a mandated transition to zero-emission forklifts by 2030, and mandatory setbacks for loading bays, especially when located within 900 feet of sensitive receptors like homes, schools, and hospitals. SB 415 also affirms that screening walls, landscape buffers, and tree planting are baseline, non-waivable mitigation measures. In addition, the laws require cities and counties to update their general plan circulation elements by 2028 to identify and designate truck routes that minimize impacts on nearby communities. These laws are part of the State's broader effort to reduce emissions, address environmental justice concerns, and improve public health in communities disproportionately impacted by freight activity. The requirements do not apply to existing logistics facilities or to projects that had completed the local entitlement process prior to September 30, 2024, nor do the requirements apply to logistics facilities smaller than 100,000 square feet.

As stated in the Project Description, the proposed project's end use could be R&D, industrial/manufacturing, or warehouse/distribution. If the final use of the proposed project is a warehouse/distribution use, it would be required to comply with the requirements of AB 98.

Community Air Protection Program (AB 617)

AB 617 targets reductions of air pollution in disadvantaged communities. It requires community air monitoring programs; emission reduction plans; and enhanced enforcement of air quality regulations.

While the proposed project is not located within an AB 617-identified community, the legislation reflects California's focus on cumulative exposure and environmental justice.

ARB Air Quality and Land Use Handbook (2005)

This ARB guidance document provides recommended buffer distances between sensitive land uses (e.g., schools, homes) and sources of TACs, such as freeways and industrial facilities. Although not regulatory, it is widely used in CEQA practice to inform land use planning and the need for HRAs.

2.2.3 - Regional

Bay Area Air Quality Management District

The Bay Area Air District is the local air district responsible for regulating air pollution within the nine-county SFBAAB, including both stationary source permitting and CEQA guidance for local agencies

and project applicants. The Bay Area Air District implements federal and State air quality laws and adopts regional air quality plans, such as the 2017 Clean Air Plan, to demonstrate compliance with SIP requirements.

CEQA Thresholds and Guidance

For CEQA and land use development projects, the Bay Area Air District provides a critical regulatory and technical framework, most notably through its 2022 CEQA Air Quality Guidelines. These guidelines establish thresholds of significance for criteria air pollutants, ozone precursors, and TACs. The thresholds of significance are supported by substantial evidence and were adopted by the Bay Area Air District's Board of Directors.

Bay Area Air District Rules and Regulations

The following regulations would be applicable to the proposed project:[1]

- **Regulation 2, Rule 1; Regulation 2, Rule 2; and Regulation 2, Rule 5–General Permit Requirements, New Source Review, and New Source Review of Toxic Air Contaminants:** Under these rules, all stationary sources that have the potential to emit TACs above a certain level are required to obtain permits. These rules provide guidance for the review of new and modified stationary sources of TAC emissions, including evaluation of health risks and potential mitigation measures. As of December 2024, the Bay Area Air District requires that all new or replacement emergency standby diesel engines greater than or equal to 50 brake horsepower (BHP) meet EPA Tier 4 emission standards for NO_X, CO, precursor organic compounds, and PM.[2,3] However, these apply only to non-direct drive fire pumps as BACT for direct-drive fire pumps remains Tier 3.
- **Regulation 6, Rule 1–Particulate Matter and Visible Emissions:** Limits visible emissions and fugitive dust from construction activities. Projects are required to Implement Best Management Practices (BMPs) such as water application, wind fencing, and covering of haul trucks to control dust.
- **Regulation 6, Rule 5–Fugitive Dust Emissions from Construction or Demolition**: Controls fugitive dust emissions generated during construction, demolition, and related activities within the Bay Area Air District. Any construction or demolition activity that disturbs soil, generates dust, or moves material, including excavation, grading, site clearing, and demolition, must comply and implement Best Available Control Measures (BACM) to reduce dust emissions.

[1] Bay Area Air Quality Management District (Bay Area Air District). Current Rules. Website: https://www.baaqmd.gov/en/rules-and-compliance/current-rules. Accessed November 25, 2025.

[2] Bay Area Air Quality Management District (Bay Area Air District). Current Rules. Website: https://www.baaqmd.gov/permits/permitting-manuals/bact-tbact-workbook. Accessed January 7, 2026.

[3] Bay Area Air Quality Management District (Bay Area Air District). IC Engine – Compression Ignition, Emergency >50 hp and <1000 hp. https://www.baaqmd.gov/~/media/files/engineering/bact-tbact-workshop/combustion/96-1-3.pdf. Accessed January 7, 2026.

- **Regulation 6, Rule 6–Prohibition of Trackout**: Limits the quantity of PM in the atmosphere through control of trackout of solid materials onto paved public roads outside the boundaries of large construction sites.
- **Regulation 8, Rule 3–Architectural Coatings:** Limits the quantity of volatile organic compounds in architectural coating supplied, sold, offered for sale, applied, solicited for application, or manufactured within the Bay Area Air District jurisdiction.
- **Regulation 9, Rule 8–Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines:** Regulates emissions of NO_X and CO from stationary internal combustion engines and limits the hours of operation for emergency standby engines.
- **Regulation 11, Rule 2–Asbestos Demolition, Renovation and Manufacturing**: Aims to control emissions of asbestos to the atmosphere during demolition, renovation, milling, and manufacturing and establishes appropriate waste disposal procedures.

Permitting Requirements

If a project includes stationary sources such as diesel generators, boilers or water heaters above certain thresholds, or fuel storage tanks, it may require an Authority to Construct and Permit to Operate from the Bay Area Air District under Regulation 2 and compliance with applicable BACT. The proposed project is anticipated to include a direct-drive diesel fire pump in each building. A diesel fire pump is a fire protection pump powered by a diesel engine, designed to deliver high-pressure water (or foam) to firefighting systems; direct-drive diesel fire pumps are often installed in areas where electricity is unavailable or unreliable so that in an emergency the operation does not rely on electrical power. **The diesel engine component of each fire pump would be subject to Bay Area Air District permit requirements as described above.**

Community Risk and Sensitive Receptors

The Bay Area Air District maintains Community Air Risk Evaluation (CARE) maps and supports the goals of AB 617, identifying communities with elevated exposure to TACs and cumulative air pollution. Projects located in or near these areas may be subject to more stringent review, particularly for diesel emissions and exposure to sensitive receptors such as schools, residences, and healthcare facilities. **As stated above, the proposed project is not located within an AB 617 community.**

2.2.4 - Local

The following is a discussion of local actions and initiatives to reduce air pollutant emissions that are relevant to the proposed project and this analysis.

Envision San José 2040 General Plan

The Envision San José 2040 General Plan, adopted on November 1, 2011, and amended on March 16, 2020, lays out 12 interrelated, mutually supportive major strategies that provide a basis for the City's vision for future development. The strategies relate to economic development through job creation, providing more housing so that people who work in San José will also reside there, and

developing Downtown as a social and cultural center. The General Plan also describes five major strategies directly related to air quality.[4]

The Measurable Environmental Sustainability chapter of the General Plan contains the following goals and policies regarding air quality that are applicable to the project.

GOAL MS-10: Air Pollutant Emission Reduction. Minimize air pollutant emissions from new and existing developments.

Policy MS-10.1 Assess projected air emissions from new development in conformance with the Bay Area Air Quality Management District (Bay Area Air District) CEQA Guidelines and relative to State and federal standards. Identify and implement air emissions 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-10.5: In order to reduce vehicle miles traveled and traffic congestion, require new development within 2,000 feet of an existing or planned transit station to encourage the use of public transit and minimize the dependence on the automobile through the application of site design guidelines and transit incentives.

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

GOAL MS-11: Toxic Air Contaminants. Minimize exposure of people to air pollution and toxic air contaminants such as ozone, carbon monoxide, lead, and particulate matter.

Policy MS-11.2 For projects that emit toxic air contaminants, require project proponents to prepare health risk assessments in accordance with Bay Area Air District-recommended procedures as part of environmental review and employ effective mitigation to reduce possible health risks to a less than significant level. Alternatively, require new projects (such as, but not limited to, industrial, manufacturing, and processing facilities) that are sources of TACs to be located an adequate distance from residential areas and other sensitive receptors.

Policy MS-11.3 Review projects generating significant heavy-duty truck traffic to designate truck routes that minimize exposure of sensitive receptors to TACs and particulate matter.

[4] City of San José. 2024. Envision San José 2040, General Plan. October 24.

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.

GOAL MS-12: Objectionable Odors. Minimize and avoid exposure of residents to objectionable odors.

GOAL MS-13: Construction Air Emissions. Minimize air pollutant emissions during demolition and construction activities.

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 a minimum, conditions shall conform to construction mitigation measures recommended in the current Bay Area Air District CEQA Guidelines for the relevant project size and type.

Policy MS-13.2 Construction and/or demolition projects that have the potential to disturb asbestos (from soil or building material) shall comply with all the requirements of the California Air Resources Board's Air Toxic Control Measures (ATCMs) for Construction, Grading, Quarrying, and Surface Mining Operations.

City of San José 2040 Municipal Code

Per Chapter 17.84.220, Green Building Compliance Requirements, of the City of San José Municipal Code:

A. No building permit shall be issued for a tier one project unless the application for the building permit contains a completed GreenPoint Rated Checklist or Leadership in Energy and Environmental Design (LEED®) Checklist.

B. All tier two commercial industrial projects for which this chapter is applicable must receive the minimum green building certification of LEED® Silver and tier two residential projects shall receive the minimum green building certification of LEED® Certified or GreenPoint Rated.

C. High-rise residential projects for which this chapter is applicable shall receive certification as the minimum green building performance requirement of USGBC [United States Green Building Council] LEED® Certified.

D. Mixed-use new construction projects, for which this chapter is applicable, must submit a checklist and receive the minimum green building new construction certification designation for the portion of the building under the requirements of the applicable subsections of this section above.

These green building requirements are further regulated through the City's Reach Code, which is a building code that is more advanced than required by the State. The Reach Code encourages

building electrification and energy efficiency, requires solar readiness on nonresidential buildings, and requires EV readiness and installation of EV equipment.[5]

As of October 2019, Chapter 24 (24.10.200) of the City's Municipal Code requires that for all nonresidential buildings, 10 percent of total parking spaces shall be EV supply equipment spaces and an additional 40 percent shall be EV Capable spaces. The new requirements are designed to accelerate the installation of vehicle chargers to address demand. The replacement of gasoline and diesel vehicles with electric vehicles will reduce criteria air pollutant emissions associated with traditional vehicle fuel combustion.

On December 1, 2020, City Council approved an updated ordinance prohibiting natural gas infrastructure in all new construction in San José, starting on August 1, 2021. **Accordingly, the proposed project is proposed as an all-electric development with no natural gas infrastructure.**

[5] City of San José. 2025. San José Reach Code. Website: https://www.sanjoseca.gov/your-government/departments-offices/energy/climate-smart-san-jose/san-jos-reach-code. Accessed November 26, 2025.

3 - GREENHOUSE GAS EMISSIONS

This section describes the existing GHG emissions as well as the relevant regulatory framework. The "Existing Setting" discusses global climate change, its causes, and the contribution of human activities, as well as typical GHG types and sources, impacts of global climate change, and current emissions levels. The "Regulatory Framework" provides a description of relevant federal, State and local regulatory policies that serve to reduce GHG emissions and are applicable to the proposed project.

3.1 - Existing Setting

3.1.1 - Global Climate Change

Earth's temperature is rising,[6] and although the global climate has varied over the long-range time scale, there is strong scientific consensus that the rapid heating in recent decades is both unusual and caused by emissions of GHGs from human activities such as the burning of fossil fuels including coal and oil.[7] Gases that trap heat in the atmosphere are referred to as GHGs. The effect is analogous to the way a greenhouse retains heat. Prominent GHGs contributing to the greenhouse effect are CO_2, methane (CH_4), nitrous oxide (N_2O), hydrofluorocarbons (HFC), chlorofluorocarbons, and sulfur hexafluoride (SF_6). Atmospheric concentrations of CO_2, the most prominent GHG, have been increasing rapidly in recent decades, from approximately 280 parts per million (ppm) before the start of the Industrial Revolution in the 1760s to more than 400 ppm as of 2013.[8] According to the Intergovernmental Panel on Climate Change (IPCC), it is *extremely unlikely* that global climate change of the past 50 years can be explained without the contribution from human activities.

As the concentration of these gases continues to increase in the atmosphere, Earth's temperature has increased by about 1.2 to 1.4°F (degrees Fahrenheit) since 1900.[9] Even if GHG emissions could be reduced to zero overnight, global temperatures will continue to rise in future years due to the buildup of GHGs that have already accumulated in the atmosphere and the oceans. As future

[6] National Centers for Environmental Information (NCEI) National Oceanic and Atmospheric Administration (NOAA). 2024. Website: https://www.ncei.noaa.gov/access/monitoring/climate-at-a-glance/global/time-series. Accessed October 7, 2025.

[7] K. Myers, et al., 2021. Consensus revisited: quantifying scientific agreement on climate change and climate expertise among Earth scientists 10 years later. Environmental Research Letters Vol.16 No. 10, 104030. October 20. DOI:10.1088/1748-9326/ac2774. Accessed October 7, 2025.

[8] Global Monitoring Library, National Oceanic and Atmospheric Administration (NOAA). 2024. Website: https://www.noaa.gov/news-release/greenhouse-gases-continued-to-increase-rapidly-in-2022. Accessed October 7, 2025.

[9] National Aeronautics and Space Administration (NASA). 2024. World of Change: Global Temperatures. Website: https://earthobservatory.nasa.gov/world-of-change/global-temperatures. Accessed October 7, 2025.

emissions increase the atmospheric concentrations of CO_2 and other GHGs, the impacts of the warming greenhouse effect are projected to steadily worsen.

3.1.2 - Greenhouse Gases

Unlike emissions of criteria and toxic air pollutants, which have local or regional impacts, emissions of GHGs that contribute to global warming or global climate change have a broader, global impact. Global warming is a process whereby GHGs accumulating in the atmosphere contribute to an increase in the temperature of Earth's atmosphere. Table 5 shows the GHGs regulated by AB 32, the California Global Warming Solutions Act of 2006, including CO_2, CH_4, N_20, HFC, perfluorocarbon (PFC), and SF_6.

Table 5: Description of Greenhouse Gases of Concern

Greenhouse Gas	Description and Sources and (Sinks)	Atmospheric Lifetime	Percent of US Emissions
Carbon Dioxide (CO_2)	• Fossil fuel combustion • Forest clearing • Cement production • (Plants)	50–200	79.7
Methane (CH_4)	• Livestock • Landfills • Leaks from oil and natural gas production	12	11.1
Nitrous Oxide (N_2O)	• Fertilizers • Manure • Fossil Fuel Combustion • Nylon production • Semiconductor Manufacturing • Wastewater treatment	114	6.1
Hydrofluorocarbons (HFCs)	• Automobile air conditioners • Refrigerants.	1–50,000	3.1
Perfluorocarbons (PFCs)	• Primary aluminum production • Semiconductor manufacturing	10,000–50,000	
Sulfur hexafluoride (SF_6)	• Electrical power transmission equipment • Magnesium industry • Semiconductor manufacturing	3,200	
Nitrogen trifluoride (NF_3)	• Electronics manufacture for semiconductors and liquid crystal displays.	740	
Source: United States Environmental Protection Agency (EPA). 2024. Overview of Greenhouse Gases.			

Carbon Dioxide Equivalent

GHGs have long atmospheric lifetimes, ranging from several years to several thousand years. GHGs persist in the atmosphere for a long enough time to be dispersed around the globe, cumulatively combining to cause a global climate effect.

Each GHG has its own global warming potential (GWP), which measures how much heat the gas can trap in the atmosphere compared to CO_2 over a specified time period, usually 100 years. This allows for comparing the impacts of different gases on global warming. According to the IPCC's Fourth Assessment Report:

- **Methane (CH_4):** GWP of 25
- **Nitrous Oxide (N_2O):** GWP of 298
- **HFCs:** GWPs range from hundreds to thousands
- **PFCs:** Very long atmospheric lifetimes, often thousands of years
- **SF_6:** GWP of 23,500, the most potent greenhouse gas known

GWP factors are used to convert emissions into a common unit called carbon dioxide equivalent (CO_2e). CO_2e is calculated by multiplying the emissions of each GHG by its GWP and summing the results. Since CO_2 is the basis, its GWP is 1.

Sources of Greenhouse Gas Emissions

Emissions of GHGs contributing to global climate change are attributable in large part to human activities associated with the transportation, industrial/manufacturing, utility, residential, commercial, and agricultural sectors.

State of California GHG Emissions

California contributed GHG emissions of 371.2 million metric tons (MMT) of CO_2e into the atmosphere in 2022.[10] Anthropogenic CO_2 is largely the byproduct of fossil fuel combustion and attributable to transportation, industry/manufacturing, electricity generation, natural gas consumption, and agriculture processes. The transportation sector is the largest emitter at approximately 38 percent of GHG emissions, followed by industrial at approximately 20 percent of GHG emissions. The next largest sources of GHG emissions were electricity production (16 percent), commercial and residential (11 percent), agriculture (8 percent), high GWP (8 percent), and waste (2 percent).

San Francisco Bay Area GHG Emissions

The Bay Area Air District launched its Climate Protection Program in 2005 to address the link between climate change and air quality. It regularly compiles inventories of criteria and toxic air pollutants to guide planning and regulatory programs. The most recent inventory estimates that in

[10] California Air Resources Board (ARB). 2021. Current California GHG Emission Inventory Data. Website: https://ww2.arb.ca.gov/ghg-inventory-data. Accessed October 7, 2025.

2015 the Bay Area emitted 86.5 MMT CO_2e. Fossil fuel use in transportation was the largest source, accounting for 39.7 percent of emissions from passenger and heavy-duty vehicles, aviation, marine vessels, industrial equipment, buses, motorcycles, and locomotives. Industrial and commercial activities contributed 41 percent, while energy production (electricity generation and co-generation) accounted for about 14 percent. Stationary sources—including oil refineries, natural gas combustion, cement plants, gas distribution, and fugitive/process emissions—made up 26 percent of total GHG emissions.[11]

Local (City) GHG Emissions

In July 2023, the City released its community-wide GHG inventory for 2021. Total emissions were estimated at 4,957,644 metric tons of CO_2e, with tree and forest sequestration accounting for 78,540 metric tons, resulting in net emissions of 4,879,104 metric tons—about 10 percent lower than 2019 levels. This inventory reflects an updated methodology aligned with the Global Covenant of Mayors Common Reporting Framework and the U.S. Community Protocol, incorporating sources not previously included such as electricity transmission losses, aviation, freight rail, industrial processes, and fugitive emissions from natural gas, SF_6, HFCs, and PFCs. It also accounts for carbon sequestration by trees, which was not considered in the Climate Smart plan. When limited to sectors included in that plan, 2021 emissions totaled 4,239,801 metric tons of CO_2e. Transportation remained the largest contributor to emissions, consistent with statewide trends. Key reduction strategies identified by the City include energy efficiency, renewable energy and electrification, vehicle fuel efficiency, alternative transportation, trip reduction, and integrated land use and transit planning.

3.1.3 - Climate Impacts

Human-caused climate change is driving widespread global impacts, including more frequent and intense heatwaves, storms, droughts, flooding, sea level rise, and ecosystem disruption, with the most severe effects falling on vulnerable populations.[12] In California, these trends manifest as rising average temperatures, more extreme hot days and nights, shrinking Sierra Nevada snowpack, prolonged droughts, increased wildfire frequency and severity, coastal erosion from sea level rise, and shifts in species ranges.[13] The San Francisco Bay Area faces region-specific risks such as stronger and more frequent extreme heat events, accelerated sea level rise threatening shoreline communities and infrastructure, heightened wildfire danger in surrounding hills, and seasonal air quality degradation—higher ozone in summer and fine particulate matter in winter—driven by changing weather patterns and inversions.[14]

[11] Bay Area Air Quality Management District (Bay Aea Air District). 2017. Greenhouse Gas Emission Estimates and Draft Forecasts, Update and Work in Progress. March.

[12] Intergovernmental Panel on Climate Change (IPCC). 2022. Climate Change 2022: Impacts, Adaptation and Vulnerability.

[13] California Environmental Protection Agency (Cal/EPA). 2018. Indicators of Climate Change in California. May 9.

[14] California's Fourth Climate Change Assessment. 2019. San Francisco Bay Area Region Report. January 16.

3.2 - Regulatory Framework

The following section describes federal, State, regional, and local regulations and policies that are relevant to GHG emissions and applicable to the proposal project.

3.2.1 - Federal

The EPA is the governing body responsible for regulating air pollution in the United States and setting nationwide air quality and emissions standards. The EPA has adopted and implemented several regulations to reduce GHG emissions as well. These include GHG emission reduction standards for passenger cars and light-duty trucks, heavy-duty trucks (including buses), commercial aircraft and large business jets, heavy equipment (with spark-ignition engines and compression ignition [CI] diesel engines), locomotives, marine vessels, recreational vehicles, and small equipment/tools.

California has implemented more stringent GHG emissions reduction regulations on the same sources listed above (excepting commercial aircraft and large business jets). Therefore, those regulations and their impact are discussed in greater detail below.

3.2.2 - State

California has been on the forefront of regulating GHG emissions to address climate change through a variety of far-reaching and broad GHG legislation, regulations, policies, and executive orders. Key efforts by the State are described below.

Major Legislative Actions to Reduce GHGs

California has enacted some of the nation's most aggressive greenhouse gas (GHG) reduction laws, beginning with the landmark AB 32 (2006) requiring 1990-level emissions by 2020. Subsequent legislation and Executive Orders (EOs) established the current framework, anchored by three key targets: AB 32–1990 levels by 2020; SB 32–40 percent below 1990 levels by 2030; and AB 1279–net-zero GHGs by 2045 with net-negative thereafter.

EO S-1-07 established California's LCFS to reduce the carbon intensity of transportation fuels by 10 percent by 2020. In 2018, ARB extended the program to 2030 and doubled the reduction target to 20 percent. **EO B-16-12** set a goal of 1.5 million ZEVs on California roads by 2025, with supporting infrastructure milestones for 2015 and 2020, and a long-term vision for near-total ZEV adoption by 2050. **EO B-30-15** established an interim statewide GHG reduction target of 40 percent below 1990 levels by 2030 and directed ARB to update the Scoping Plan accordingly. **EO B-48-18** increased the ZEV goal to 5 million vehicles by 2030. **EO B-55-18** committed California to economy-wide carbon neutrality by 2045 and directed ARB to develop a tracking framework. **EO N-79-20** required 100 percent of new passenger car and truck sales to be zero-emission by 2035, and set similar targets for medium- and heavy-duty trucks by 2045 and off-road equipment by 2035, where feasible.

Senate Bill 100 and 1020

On September 10, 2018, former Governor Brown signed SB 100, establishing that 100 percent of all electricity in California must be obtained from renewable and zero-carbon energy resources by December 31, 2045. SB 100 also creates new standards for the Renewable Portfolio Standard (RPS) goals. Specifically, the law increases the percentage of energy that both investor-owned utilities and publicly owned utilities must obtain from renewable sources from 50 percent to 60 percent by 2030. Incrementally, these energy providers must also have a renewable energy supply of 33 percent by 2020, 44 percent by 2024, and 52 percent by 2027.

SB 1020 supersedes the goals of SB100 by requiring that 90 percent of all retain sales of electricity to California end-use customers are procured from renewable energy and zero-carbon sources by December 31, 2035. The requirement increases to 95 percent by December 31, 2040, and to 100 percent by December 31, 2045. Under SB 1020, State agencies must use 100 percent renewable and zero-carbon energy resources by December 31, 2035.

Assembly Bill 117

In 2002, California established the CCA; when a city or county joins a CCA, that CCA becomes the default electricity generation provider for customers in its jurisdiction. Customers are automatically enrolled in the CCA's service but retain the right to opt out and return to bundled service with the investor-owned utility (e.g., PG&E). The utility continues to handle transmission, distribution, and billing, while the CCA procures electricity on behalf of customers. The San José City Council created SJCE in 2017 and officially launched service as the City's electricity generation provider in 2019.

2022 Scoping Plan

To meet these mandates, the ARB must prepare and update a Scoping Plan every 5 years, detailing coordinated, cost-effective strategies across all economic sectors. While not legally binding, the plan's recommendations often result in enforceable regulations adopted by ARB and other agencies to ensure compliance with State climate goals.

The 2022 Scoping Plan targets reducing anthropogenic emissions to 85 percent below 1990 levels by 2045, outlining bold measures to cut GHGs and expand carbon capture and storage through natural and working lands and mechanical methods. Central to this transformation is aggressively reducing fossil fuel use across California, building on and accelerating long-standing carbon reduction programs. Key actions include a rapid shift to zero-emission transportation, phasing out fossil gas for building heat, expanding sustainable transportation alternatives, and reducing high-GWP chemicals and refrigerants. The plan also charts a path to meet SB 32's goal of at least 40 percent below 1990 emissions by 2030. It reaffirms the role of local governments in meeting State climate goals, particularly in approving new land use projects and conducting CEQA review. Local agencies are encouraged to adopt CEQA-qualified Climate Action Plans (CAPs) focused on transportation electrification, VMT reduction, and building decarbonization—addressing the largest local GHG sources and aligning local actions with State objectives.

Statewide Initiatives and Regulations

ARB has pioneered a range of approaches in California that have set the standard for effective air and climate programs for the nation and the world. The ARB regulations, based on extensive research and established science, have driven innovation, leading to significant technological developments such as the production of low- and zero-emission cars and trucks and cleaner fuels.

Other State agencies responsible for regulating GHGs include:

- **California Energy Commission (CEC):** The State's energy policy and planning agency, responsible for climate change related programs including energy efficiency and leading the State to a 100 percent clean energy reality. The CEC mandates building energy efficiency standards (in new and existing buildings) and manages the RPS.
- **California Department of Resources Recycling and Recovery (CalRecycle):** California's recycling and waste management agency, responsible for implementation of State climate policies including landfill methane emissions reduction, waste-to-energy production, and composting requirements. CalRecycle implements food and yard waste recycling regulations, including mandates to cut organic waste disposal 75 percent by 2025**.**
- **California Governor's Office of Land Use and Climate Innovation (LCI):** The LCI is California's long-range planning agency, responsible for implementing CEQA review and conducting Statewide research on all climate change policies and impacts.

As a result of these actions, California reached its 2020 GHG emissions reduction target of reducing GHG emissions back to 1990 levels 4 years early and is on track to meet the 2030 GHG reduction target. Below is a summary of State regulations that are applicable to the proposed project and will serve to reduce GHG emissions now and in the future to ensure California stays on the path to meeting the State-mandated 2030 and 2045 targets:

- **Advanced Clean Cars II (ACC II)**: Designed to reach 100 percent new vehicle ZEVs and clean plug-in hybrid-electric vehicles (PHEVs) in California by the 2035 model year.
- **Advanced Clean Trucks**: Requires increasing percentages of manufacturer sales of on-road medium- and heavy-duty vehicles to be ZEVs to reduce emissions of criteria pollutants, TACs, and GHGs. However, as of January 2026, the EPA has taken steps to rescind the waivers granted for implementation of this regulation.
- **Small Off-road Engine (SORE) Regulations:** Transition 100 percent of small off-road spark-ignition engines (at or below 25.5 horsepower and used in non-stationary equipment), which includes landscaping equipment, to zero-emission by 2035 (where feasible).[15]

[15] California Air Resources Board (ARB). 2024. SORE–Small Engine Fact Sheet. Website: https://ww2.arb.ca.gov/resources/fact-sheets/sore-small-engine-fact-sheet. Accessed October 7, 2025.

- **Low Carbon Fuel Standard:** Increase the availability and use of low carbon fuels, including renewable diesel, biodiesel, renewable and natural gas by mandating that the fuel carbon intensity in California must achieve a 20 percent reduction by 2030.[16]
- **Renewable Portfolio Standard:** One of California's key programs for advancing renewable energy, it sets continuously escalating renewable energy procurement requirements for the State's load-serving entities. All entities must procure 60 percent of their electricity portfolio from renewable energy resources by 2030.
- **Building Energy Efficiency Standards – Title 24, Part 6 (Energy Code):** Contain energy and water efficiency requirements (and indoor air quality requirements) for newly constructed buildings; the requirements have gradually increased in efficiency and technology over the past decades. The current standard, known as the 2022 Energy Code, builds on California's technology innovations and includes encouraging heat pumps, requiring electric-ready single-family homes and solar/battery storage standards for various building types. The 2022 Energy Code also strengthens ventilation standards to improve indoor air quality.
- **California Green Building Standards Code – Title 24, Part 11 (CALGreen):** Mandatory green building standards code for the State with the goal of reducing GHG emissions from buildings.
- **Model Water Efficient Landscape Ordinance**: The Model Water Efficient Landscape Ordinance (Ordinance) was required by AB 1881 Water Conservation Act. The bill required local agencies to adopt a local landscape ordinance at least as effective in conserving water as the Model Ordinance by January 1, 2010. Reductions in water use of 20 percent consistent with (SBX-7-7) 2020 mandate are expected under the Ordinance. New development projects that include landscaped areas of 500 square feet or more are subject to the Ordinance.

3.2.3 - Regional

Bay Area Air Quality Management District

The Bay Area Air District plays a leading role in guiding GHG emissions reduction across the San Francisco Bay Area through a mix of policy updates, rulemaking, and CEQA-based thresholds. Its efforts include current thresholds of significance for GHGs under CEQA to align with State climate goals such as reducing emissions 40 percent below 1990 levels by 2030 and achieving carbon neutrality by 2045. The thresholds encourage all-electric building designs, reduced VMT, and compliance with CALGreen Tier 2 standards for new developments. Additionally, its 2024–2025 regulatory agenda prioritizes rules targeting GHG reductions in stationary sources, flaring, and appliance emissions, while integrating community-driven strategies like the West Oakland Community Action Plan and the Path to Clean Air initiative.

[16] California Air Resources Board (ARB). 2024. Low Carbon Fuel Standard. Website: https://ww2.arb.ca.gov/our-work/programs/low-carbon-fuel-standard/about. Accessed October 7, 2025.

The Bay Area Air District prepares clean air plans in accordance with the federal and State CAA. The current Clean Air Plan in the Bay Area is the 2017 Clean Air Plan: Spare the Air, Cool the Climate, an update to the 2010 Clean Air Plan. The 2017 Clean Air Plan is a comprehensive plan that focuses on the closely related goals of protecting public health and protecting the climate. Consistent with the State's GHG reduction targets, the 2017 Clean Air Plan lays the groundwork for a long-term effort to reduce Bay Area GHG emissions 40 percent below 1990 levels by 2030 and 80 percent below 1990 levels by 2050.

In addition, the Bay Area Air District established a Climate Protection Program to reduce GHGs. While non-regulatory, the Climate Protection Program is focused on meeting the State and the Bay Area Air District's 2050 target. The Climate Protection Program includes measures that promote energy efficiency, reduce VMT, and develop alternative sources of energy, all of which assist in reducing GHG emissions and reducing air pollutants that affect the health of residents. The Bay Area Air District also seeks to support other climate protection programs in the region and to stimulate additional efforts through public education and outreach, technical assistance to local governments and other interested parties, and promotion of collaborative efforts among stakeholders.

3.2.4 - Local

City of San José, Envision San José General Plan

The City adopted the Envision San José 2040 General Plan in 2011. Many of the goals and policies identified in the General Plan reflect the City's commitment to sustainability and the General Plan goals listed below are directly related to reduction of GHG emissions and are applicable to the proposed project:

Goal MS-2 Energy Conservation and Renewable Energy Use. Maximize the use of green building practices in new and existing development to maximize energy efficiency and conservation and to maximize the use of renewable energy sources.

Goal MS-6 Waste Reduction. Reduce generation of solid and hazardous waste.

Goal MS-14 Reduce Consumption and Increase Efficiency. Reduce per capita energy consumption by at least 50% compared to 2008 levels by 2022 and maintain or reduce net aggregate energy consumption levels equivalent to the 2022 (Green Vision) level through 2040.

Goal MS-15 Renewable Energy. Receive 100% of electrical power from clean renewable sources (e.g., solar, wind, hydrogen) by 2022 and to the greatest degree feasible increase generation of clean, renewable energy within the City to meet its own energy consumption needs.

Goal TR-2 Walking and Bicycling. Improve walking and bicycling facilities to be more convenient, comfortable, and safe, so that they become primary transportation modes in San José.

Goal TR-3 Maximize Use of Public Transit. Maximize use of existing and future public transportation services to increase ridership and decrease the use of private automobiles.

Goal TR-7 Transportation Demand Management. Implement effective Transportation Demand Management (TDM) strategies that minimize vehicle trips and vehicle miles traveled.

City of San José Greenhouse Gas Reduction Strategy

The City of San José adopted a CAP in 2018.[17] The CAP establishes an emissions reductions target for 2030. The CAP includes a community-wide inventory, emissions reductions targets, and actions/measures that will allow the City to exceed the 2030 target and put the City on the trajectory to meet the 2050 goal. The City's Greenhouse Gas Reduction Strategy (GHGRS) is intended to meet the mandates outlined in the Bay Area Air District CEQA Guidelines and standards for "qualified plans," as established by the Bay Area Air District. In addition, the City's Green Vision, as reflected in the City's GHGRS, includes a monitoring component that allows for adaptation and adjustment of City programs and initiatives related to sustainability and associated reductions in GHG emissions.

The City's 2030 GHGRS is a comprehensive update to the City's original GHGRS and reflects the plans, policies, and codes as approved by the City Council. The strategy builds on the General Plan and Climate Smart San José; these plans expanded the City's Green Vision to advance urban sustainability. Leveraging these existing plans and supporting policy and program frameworks, the 2030 GHGRS provides a set of strategies and additional actions for achieving the 2030 target.

The City's GHGRS identifies GHG emissions reduction measures to be implemented by development projects in four categories: built environment and energy, land use and transportation, recycling and waste reduction, and other GHG reduction measures. Some measures are mandatory for all proposed development projects and others are voluntary.

City of San José Municipal Code

The City's Municipal Code includes the following laws and regulations that would reduce GHG emissions from future development:

- Green Building Ordinance (Chapter 17.84)
- Water Efficient Landscape Standards for New and Rehabilitated Landscaping (Chapter 15.11)
- Construction and Demolition Diversion Deposit Program (Chapter 9.10, Part 15)
- Wood-Burning Ordinance (Chapter 9.10)
- All-Electric Ordinance (Chapter 17.845)
- Transportation Demand Management (Chapter 11.105)

[17] City of San José Climate Action Plan 2030. Feburary, 2018. Website: https://www.sanjoseca.gov/your-government/departments-offices/environmental-services/climate-smart-san-jose. Accessed March 31, 2025.

City of San José Reach Code

The San José City Council approved Ordinance No. 30311 and adopted the Reach Code Ordinance (Reach Code) to reduce energy related GHG emissions consistent with the goals of Climate Smart San José. The Reach Code applies to new construction projects in San José. It requires all new construction developments to be all-electric buildings with no natural gas infrastructure. While the ordinance does contain a few exceptions, those would not be applicable to the proposed project. In addition, the Reach Code requires EV charging infrastructure for all building types (above current CALGreen requirements) and solar readiness for nonresidential buildings. Chapter 17.845, Prohibition of Natural Gas Infrastructure in Newly Constructed Buildings, prohibits natural gas infrastructure in all newly constructed buildings proposed to be located in whole or in part within the City.

Green Building Ordinance (Chapter 17.84)

The City's Green Building Ordinance requires new commercial and industrial developments over 10,000 square feet to meet minimum sustainability standards aligned with the LEED Silver certification or equivalent. The ordinance promotes energy and water efficiency, waste reduction, and improved indoor air quality by mandating green design, construction, and operational practices. Larger projects (over 25,000 square feet) must demonstrate compliance through third-party verification systems like LEED or GreenPoint Rated, and incorporate features such as recycled materials, solar readiness, and proximity to transit. These requirements support the City's Green Vision and Climate Smart San José goals by reducing GHG emissions and fostering healthier, more resilient buildings across the urban landscape.

4 - ENERGY

This section describes the existing energy setting in the proposed project area as well as the relevant regulatory framework. The "Existing Setting" provides a description of energy use and resources. The "Regulatory Framework" provides a description of relevant federal, State and local regulatory policies that serve to reduce energy use and consumption of energy resources and are applicable to the proposed project.

4.1 - Existing Setting

The existing setting focuses on Santa Clara County-level energy consumption and factors related to the use and availability of traditional fossil fuel and alternative, renewable energy sources.

4.1.1 - Energy

Electricity

Electricity, as a consumptive utility, is a man-made resource. The production of electricity requires the consumption or conversion of resources—including water, wind, oil, gas, coal, solar, geothermal, and nuclear resources—into usable energy. The delivery of electricity involves several system components for distribution and use. Electricity is distributed through a network of transmission and distribution lines commonly called a power grid. Energy capacity, or electrical power, is generally measured in watts (W), while energy use is measured in watt-hours. On a utility scale, the capacity of a generator is typically rated in megawatts (MW), which is 1 million watts, while energy usage is measured in megawatt-hours (MWh) or gigawatt-hours, which is 1 billion watt-hours.

California's 2024 electricity consumption was 282,783 gigawatt-hours (GWh) or 283 terawatt-hours (TWh). Santa Clara County's 2024 commercial and residential sectors utilized a total of 17,794 million kWh (GWh) divided into nonresidential usage of 13,521 GWh and residential usage of 4,273 GWh.[18]

As mentioned, the proposed project would be served by SJCE. The 2023 base package, Green Source, was 55 renewable energy from a combination of biomass, hydropower, wind, and solar sources with a GHG intensity of 50 pounds CO_2e/MWh. Its Total Green Program offered 100 percent renewable from wind sources while its Solar Access Program offered 100 percent renewable Solar option.[19] As stated above, the City's SPC GHG-1 would require the proposed project to demonstrate

[18] California Energy Commission (CEC). 2024. Energy Consumption Database, Electricity Consumption by County. Website: https://www.energy.ca.gov/data-reports/energy-almanac/california-electricity-data/california-energy-consumption-dashboards-0. Accessed October 10, 2025.

[19] San José Clean Power. 2025. 2023 Power Content Label. Website: https://sanjosecleanenergy.org/wp-content/uploads/2024/11/SJCE-2023-PCL.pdf. Accessed October 10, 2025.

proof of enrollment in SJCE's GreenSource program (approximately 95 percent carbon-free power) or TotalGreen (approximately 100 percent carbon-free power).

Although SJCE procures this power, PG&E continues to deliver electricity over existing power lines, maintain the lines, send bills, and provide customer service.

Natural Gas

Natural gas is a combustible mixture of simple hydrocarbon compounds (primarily methane) that is used as a fuel source. Natural gas consumed in California is obtained from naturally occurring reservoirs and delivered through high-pressure transmission pipelines. Natural gas provides almost one-third of California's total energy requirements and is measured in terms of both cubic feet and British Thermal Units (BTU). In 2024, Santa Clara County's natural gas usage was 386.9 total millions of therms (174.2 million therms for nonresidential usage and 212.6 million therms for residential).[20]

PG&E supplies natural gas in Santa Clara County. However, as previously stated, the proposed project would be constructed and operated as all-electric and therefore would not utilize natural gas.

4.1.2 - Energy Usage Sectors

Energy use in an area is distributed across several sectors: industrial, residential, and commercial energy and transportation.

- **Transportation Sector:** This is a significant consumer of energy, primarily in the form of gasoline and diesel for vehicles.
- **Industrial Sector:** The industrial sector includes consumption from construction, in addition to manufacturing, agriculture, and mining.
- **Residential and Commercial Sectors:** The residential sector covers energy used in homes, businesses, offices, stores, and other commercial establishments for heating, cooling, lighting, and appliances.

Transportation Sector

Estimated sales of transportation fuels in the State were 13,423 million gallons of gasoline and 2,212 gallons of diesel. San José is located within Santa Clara County, and Santa Clara County sold an estimated 547 million gallons of gasoline and 54 million gallons of diesel in 2024.[21]

[20] California Energy Commission (CEC). 2024. Energy Consumption Database, Gas Consumption by County. Website: https://www.energy.ca.gov/data-reports/energy-almanac/california-electricity-data/california-energy-consumption-dashboards-1. Accessed October 10, 2025.

[21] California Energy Commission (CEC). 2025. 2024 Annual Retail Fuel Outlet Report Results CEC-A15 Results and Analysis, Website: https://www.energy.ca.gov/media/3874, Accessed October 10, 2025.

A variety of alternative fuels are used to reduce petroleum-based fuel demand. The use of these fuels is encouraged through various statewide regulations and plans, such as the LCFS and SB 32. Conventional gasoline and diesel may be replaced, depending on the capability of the vehicle, with transportation fuels including hydrogen, biodiesel, and electricity. As of October 10, 2025, the State had 1,405 renewable diesel refueling stations, four private hydrogen stations, and 51 public hydrogen stations.[22]

Electricity can be used to power EVs and PHEVs directly from the power grid. Electricity used to power vehicles is generally provided by the electricity grid and stored in the vehicles' batteries. Fuel cells are being explored to use electricity generated onboard the vehicle to power electric motors. As of August 2024, California had a reported 201,180 public and shared private EV chargers; Santa Clara County had a reported 577 chargers. This includes 127 Public DC fast chargers, 278 Public Level 2 and 1 Shared Private DC fast chargers, and 171 Shared Private Level 2 chargers.[23]

Industrial Sector

Construction

While construction fuel use is not separately tracked within industrial fuel consumption, it is a significant contributor, with the industry relying almost exclusively on diesel for off-road equipment. Diesel is preferred for its 12 percent higher energy content per gallon than gasoline and engine-life-extending properties, making it ideal for heavy-duty applications. Biodiesel, introduced in California in 2000, is made mainly from soybean and recycled oils and can be blended into, but cannot replace, diesel. Renewable diesel, introduced in 2012 and produced largely from animal waste oils, is chemically similar to petroleum diesel and can fully substitute for it (up to 100 percent, or R100). Blends are labeled with "R" plus the renewable content percentage. California consumed over 62 million barrels of renewable diesel in 2023, up from 1 million in 2011 and 28 million in 2021, driven largely by the LCFS adopted in 2011. By early 2023, clean fuels replaced more than half of the diesel used statewide.

Residential and Commercial Sector

Electricity and natural gas in California are delivered by various load-serving entities (LSEs), including investor-owned and publicly owned utilities, rural electric cooperatives, community choice aggregators, and electric service providers. These providers are subject to State regulations such as the RPS, established by SB 350 and SB 100, which requires 60 percent renewable electricity by 2030 and 100 percent zero-carbon electricity by 2045. The renewable content depends on the energy mix, which may include coal, natural gas, nuclear, hydroelectric, wind, and solar. Under the Power Source

[22] United States Department of Energy (DOE). 2025. Alternative Fueling Station Counts by State. Website: https://afdc.energy.gov/stations/states. Accessed September 9, 2025.

[23] California Energy Commission (CEC). 2025. Electric Vehicle Chargers in California. Website: https://www.energy.ca.gov/data-reports/energy-almanac/zero-emission-vehicle-and-infrastructure-statistics-collection/electric. Accessed October 10, 2025.

Disclosure Program, retail providers must annually report their energy mix for the prior year, by portfolio, if applicable, through Power Content Labels provided to consumers.

4.2 - Regulatory Framework

The following section describes federal, State, regional, and local regulations and policies that are relevant to GHG emissions. Energy consumption focuses on traditional fossil fuels as well as replacement with renewable sources and overlaps considerably with regulations and policies designed to reduce GHG emissions. This section focuses primarily on energy regulations and policies, with references to GHG and air quality regulations that also reduce energy consumption.

4.2.1 - Federal

Federal energy regulations were first introduced in 1975 with the energy Policy and Conservation Act of 1975 in response to the 1973-1974 Arab Oil Embargo to improve the average fuel economy of cars and light trucks in the US. Other subsequent federal rules included the Energy Policy Act of 2005 (which introduced numerous energy efficiency standards for appliances, building off the existing Energy Star Program) and The Energy Independence and Security Act (EISA) of 2007 (which strengthened the vehicular fuel economy standards).

These regulations set important groundwork and foundation for subsequently promulgated California regulations.

4.2.2 - State

Because federal regulations generally preempt State and local regulations, they set the foundation for subsequent State regulations to build upon. The following addresses State regulations related to transportation fuel efficiency and regulations for commercial and residential energy usage related to building envelope and appliance usage.

Transportation Sector

California adheres to the federal Corporate Average Fuel Economy (CAFE) standards but also has several other State programs, policies and regulations that target and influence emissions reductions by reducing VMT, limiting idling, and increasing fuel efficiency which also results in increased energy efficiency. These include the following:

- Pavley Regulations and Fuel Efficiency Standards (AB 1493)
- Low Emission Standards (LEV Program)
- Zero-Emission Vehicle (ZEV Program)
- Advanced Clean Cars Program
- CA Phase 2 GHG Trailer Certification
- Truck and Bus Regulations
- Heavy-Duty Diesel GHG Certification Program

- Heavy-Duty Inspection and Maintenance (I&M) Regulation
- Clean Miles Standard
- ATCM to limit diesel-fueled commercial idling
- SB 375 (VMT reduction)

Industrial (Commercial) Sector

Land use development projects consume fuel during construction operations. Because of energy and efficiency requirements, off-road diesel equipment dominates the industry. Provisions in California's In-Use Off-Road Diesel Fleets regulation under California Code of Regulations Title 13 not only provide protection from air pollution but also promote the use of newer, well-tuned, and maintained equipment and provide regulatory limits on unnecessary idling. These measures minimize toxic diesel exhaust and result in energy efficiency and avoidance of wasteful energy use.

Residential and Commercial Sector

California Code of Regulations Title 24

Part 6 (Energy Efficiency Standards for Residential and Nonresidential Buildings)

California Code of Regulations Title 24 Part 6 (California's Energy Efficiency Standards for Residential and Nonresidential Buildings) was first adopted in 1978 in response to a legislative mandate to reduce California's energy consumption. The standards are updated periodically to allow consideration and possible incorporation of new energy-efficient technologies and methods. Energy-efficient buildings require less electricity; therefore, increased energy efficiency reduces fossil fuel consumption and decreases GHG emissions. The 2022 Building Energy Efficiency Standards went into effect on January 1, 2023.

This update to the building code provides crucial steps in the State's progress toward 100 percent clean carbon neutrality by midcentury. The 2022 Energy Code builds on California's technology innovations, encouraging energy-efficient approaches to encourage building decarbonization, emphasizing in particular heat pumps for space heating and water heating. This set of Energy Codes extends the benefits of photovoltaic (PV) and battery storage systems and other demand flexible technology to work in combinations with heat pumps to enable California buildings to be responsive to climate change. Buildings whose permit applications are applied for on or after January 1, 2023, must comply with the 2022 Energy Code. The Energy Code includes measures that will reduce energy use in single-family and multi-family buildings. These measures will:

- Affect newly constructed buildings by adding new prescriptive and performance standards for electric heat pumps for space conditioning and water heating, as appropriate for the various climate zones in California.
- Require PV and battery storage systems for newly constructed multi-family and selected nonresidential buildings.

- Implement a new electric-readiness mandate for dwelling unit space heating, water heating, cooking, and laundry. Common use areas are exempt from the electric-ready requirement, with the exception of common use area clothes dryers.
- Update efficiency measures for lighting, building envelope, and heating, ventilation, and air conditioning (HVAC).

California Code of Regulations Title 20 (Appliance Efficiency Regulations)

Sets standards for the energy efficiency of appliances sold or offered for sale in California covering a wide range of appliances. Title 20 ensures that individual appliances meet specific energy efficiency standards, complementing Title 24's focus on overall building energy efficiency.

California Code of Regulations Title 24 Part 11 (California Green Building Standards Code)

California Code of Regulations Title 24, Part 11 (commonly referred to as the CALGreen Code) includes voluntary energy efficiency provisions designed to support local jurisdictions and other entities aiming to exceed the mandatory energy efficiency requirements set by the Energy Code. These provisions apply to newly constructed buildings as well as additions and alterations to existing buildings. These voluntary measures focus on enhancing resource efficiency, improving building energy system performance, and aligning with broader environmental and public health goals, such as decarbonizing California's economy. They complement the mandatory provisions by offering additional strategies for energy conservation and efficiency.

Renewable Portfolio Standard

Established by SB 350, SB 100, and SB 1020, the RPS mandates that 60 percent of California's electricity come from renewable sources by 2030 and 100 percent from zero-carbon sources by 2045. Developers can support this by integrating renewable energy systems, such as solar panels, into their projects. This not only helps meet State energy goals but also enhances the sustainability and marketability of new developments.

California Energy Commission 2023 Integrated Energy Policy Report

The Integrated Energy Policy Report (IEPR) is prepared by the CEC biennially (every 2 years), as mandated by SB 1389. This report provides a comprehensive overview of the State's major energy trends and issues, covering sectors like electricity, natural gas, and transportation fuels. The 2023 report highlights the implementation of California's innovative policies and the role they have played in establishing a clean energy economy, as well as provides more detail on several key energy policies, including decarbonizing buildings, increasing energy efficiency savings, and integrating more renewable energy into the electricity system.

4.2.3 - Regional

Bay Area Air Quality Management District

The Bay Area Air District has implemented a comprehensive set of policies and efforts aimed at advancing energy efficiency, reducing reliance on fossil fuels, and promoting the adoption of renewable energy sources. Central to these efforts is the 2017 Clean Air Plan, Spare the Air, Cool the Climate, which outlines strategies such as building electrification, stringent NO_X emission standards for residential and commercial appliances (Regulation 9, Rules 4 and 6) and the phased replacement of natural gas appliances with electric heat pumps beginning in 2027. The Plan also includes control measures including BL1 (Green Building Standards), BL2 (Decarbonizing Buildings), and BL4 (Energy Efficiency), which encourage energy-efficient retrofits, electrification, and integration of renewable energy technologies in both new and existing buildings. These initiatives support the region's transition to a post-carbon economy and align with California's long-term climate goals.

Plan Bay Area

The Metropolitan Transportation Commission (MTC) is the federally recognized Metropolitan Planning Organization for the nine-county Bay Area, which includes Santa Clara County. On July 18, 2013, Plan Bay Area was jointly approved by the Association of Bay Area Governments (ABAG) Executive Board and the MTC. On July 26, 2017, the MTC adopted Plan Bay Area 2040, a focused update that builds upon the growth pattern and strategies developed in the original Plan Bay Area with updated planning assumptions that incorporate key economic, demographic, and financial trends since the original plan was adopted. In October 2021, MTC and ABAG adopted Plan Bay Area 2050, which is now the official long-range plan that addresses housing, the economy, transportation, and the environment in the Bay Area through the implementation of 35 strategies, including those that address energy use both directly and indirectly through the promotion of greener buildings and use of alternative modes of transportation.

4.2.4 - Local

Envision San José General Plan

The following policies in the City's General Plan have been adopted for the purpose of reducing or avoiding impacts related to energy resources and are relevant to the proposed project and this analysis:

Policy MS-1.1 Demonstrate leadership in the development and implementation of green building policies and practices. Ensure that all projects are consistent with or exceed the City's Green Building Ordinance and City Council Policies as well as State and/or regional policies which require that projects incorporate various green building principles into their design and construction.

Policy MS-2.2 Encourage maximized use of on-site generation of renewable energy for all new and existing buildings.

Policy MS-2.3	Utilize solar orientation (i.e., building placement), landscaping, design, and construction techniques for new construction to minimize energy consumption.
Policy MS-2.4	Promote energy-efficient construction industry practices.
Policy MS-2.11	Require new development to incorporate green building practices, including those required by the Green Building Ordinance. Specifically, target reduced energy use through construction techniques (e.g., design of building envelopes and systems to maximize energy performance), through architectural design (e.g., design to maximize cross ventilation and interior daylight) and through site design techniques (e.g., orienting buildings on sites to maximize the effectiveness of passive solar design).
Policy MS-3.1	Require water efficient landscaping, which conforms to the State's Model Water Efficient Landscape Ordinance, for all new commercial, institutional, industrial, and developer installed residential development unless for recreation needs or other area functions.
Policy MS-14.4	Implement the City's Green Building Policies (see Green Building Section) so that new construction and rehabilitation of existing buildings fully implements industry best practices, including the use of optimized energy systems, selection of materials and resources, water efficiency, sustainable site selection, and passive solar building design and planting of trees and other landscape materials to reduce energy consumption.
Policy TR-2.8	Require new development where feasible to provide on-site facilities such as bicycle storage and showers, provide connections to existing and planned facilities, dedicate land to expand existing facilities or provide new facilities such as sidewalks and/or bicycle lanes/paths, or share in the cost of improvements.

City of San José Reach Codes

The City of San José has adopted a Reach Code, which is a building code that is more advanced than those required by the State. Reach Codes that support energy efficiency, electrification, and renewable energy can save energy and reduce GHG emissions. In September 2019, the San José City Council approved a building Reach Code Ordinance adopting provisions of the California Green Building Code and California Building Energy Efficiency Standards to increase building efficiency, mandate solar readiness on nonresidential buildings, and increase EV readiness and installation of EV charging stations.[24]

[24] City of San José, Ordinance No. 30311, adopted September 2019. Website: www.sanjoseca.gov/home/showpublisheddocument/44078/637082139871830000. Accessed November 2025.

5 - METHODOLOGY

This section describes the methodologies used in the impact analyses relating to air quality, greenhouse gas emissions and energy use for the proposed project. The methodologies follow the guidance and recommendation of the Bay Area Air District, ARB, EPA, and the Office of Environmental Health Hazard Assessment (OEHHA).

5.1 - Air Quality and GHGs

5.1.1 - Air Pollutants and GHGs Assessed

Criteria Pollutants Assessed

Because of the SFBAAB's nonattainment status for particulate matter and ozone, the following criteria air pollutants are assessed in this analysis:

- ROG (ozone precursor)
- NO_X (ozone precursor)
- PM_{10}
- $PM_{2.5}$
- CO

The proposed project would emit ozone precursors (ROG and NO_X); as discussed above, ozone is not directly emitted; however, it is formed in the atmosphere during the photochemical reaction of these precursors. While the SFBAAB is in attainment for CO, the Bay Area Air District recommends considering CO during the environmental review process due to the potential for elevated localized concentrations of CO (also known as hot spots) which can pose localized health risks.

Both the regional and the localized emissions of $PM_{2.5}$ are analyzed and discussed.

Toxic Air Contaminants Assessed

The following TACs are assessed in this analysis:

- DPM
- $PM_{2.5}$

DPM is the most significant TAC in the SFBAAB, accounting for roughly 85 percent of the cancer risk from air toxics in the region.

Greenhouse Gases Assessed

The following GHGs are assessed in this analysis:

- CO_2
- CH_4
- N_2O

The total GHG emissions are converted to CO2e, as discussed in Section 3.1.

5.1.2 - Model Selection

California Emission Estimator Model

California Emission Estimator Model (CalEEMod) Version 2022.1.1 was used to calculate criteria air pollutants (including ozone precursors), TACs, and GHG emissions from construction and operational activities from all facets of the proposed project. CalEEMod provides a uniform platform for government agencies, land use planners, and environmental professionals to calculate emissions from land use development and linear projects in California. Use of CalEEMod is recommended by the Bay Area Air District.

CalEEMod provides default values for estimating construction and operational emissions based on land use type, site and building size. These defaults were utilized in the analysis unless indicated otherwise. Modifications or off-model calculations were made to the analysis, as described below. The CalEEMod output, included in Appendix A, includes notes as well as references to additional calculations.

EMFAC 2021-Project Level

EMFAC 2021 Project Level (PL) refers to a mode within ARB's Emission Factors (EMFAC) model that calculates localized, project-specific vehicle emissions rather than regional averages. It is designed for detailed air quality analysis of transportation or development projects.

EMFAC PL was used to supplement emissions estimates from CalEEMod to determine project-specific truck emissions for operations, including vehicle emission factors on a localized project level basis, such as idling emission rates specific to Santa Clara County for each truck type as well as emission rates at specific ranges of lower speeds representative of maneuvering, on-site, and local travel. The EMFAC PL truck emission factors were used to develop emission rates for the operational HRA, as further discussed below.

American Meteorological Society/Environmental Protection Agency Regulatory Model

The American Meteorological Society/EPA Regulatory Model (AERMOD) is a steady-state air dispersion model developed by the American Meteorological Society/EPA Regulatory Model Improvement Committee for predicting how air pollutants disperse in the atmosphere and is the preferred EPA-approved air dispersion model and is recommended for use by the Bay Area Air District.

AERMOD Version 24142 was used to estimate concentrations of air pollutants at sensitive receptor locations from the proposed project's construction and operation diesel PM_{10} exhaust emissions. The

construction emissions are from diesel-fueled off-road construction equipment, on-road medium heavy-duty, and heavy heavy-duty diesel vendor and haul trucks. Project-specific AERMOD output reports as well as inputs such as terrain elevations, meteorological data, receptor grid, and sources of emissions are described in Appendix A.

Hot Spots Analysis and Reporting Program Version 2

Hot Spots Analysis and Reporting Program Version 2 (HARP2) is a software system developed by the ARB to support the preparation of HRAs. HARP2 was used to calculate cancer risks associated with construction and operation of the proposed project. It is the recommended tool under AB 2588 for conducting HRAs and is widely accepted for use in CEQA analyses. HARP2 follows the OEHHA guidance methodology and provides a standardized framework for calculating and presenting health risk results, including cancer risk, chronic and acute hazard indices, and spatial exposure modeling.

The analysis used the Air Dispersion Modeling and Risk Tool (ADMRT) and the Risk Assessment Stand-alone Tool (RAST) version of the HARP release dated April 28, 2022. Project-specific HARP2 inputs and outputs are available in Appendix A.

5.1.3 - Modeling Parameters and Assumptions

Regional Criteria Pollutant Emissions

Construction Emissions

Construction activities associated with the proposed project would result in emissions of criteria air pollutants, TACs, and GHGs. Construction emissions can vary substantially from day to day, depending on the level of activity, the specific type of operation, and prevailing weather conditions and would result from on-site and off-site activities. On-site emissions principally consist of exhaust emissions from the activity of light- and heavy-duty construction equipment, motor vehicle operation, and fugitive dust (PM_{10} and $PM_{2.5}$) from disturbed soil. Additionally, paving operations and application of architectural coatings would release ROG emissions. Off-site emissions are caused by motor vehicle exhaust from delivery vehicles, worker traffic, and road dust (PM_{10} and $PM_{2.5}$). Calculated construction emissions are shown in the CalEEMod reports included in Appendix A.

The calculations of pollutant emissions from the construction equipment account for the type of equipment, horsepower and load factors of the equipment, and the duration of equipment use, which are available in Appendix A. Off-road equipment was modeled using the “Average” option, which uses statewide average fleetwide emission factors from ARB’s OFFROAD2017 model for the project construction year.[25]

[25] California Air Pollution Control Officers Association (CAPCOA), 2022. California Emission Estimator Model (CalEEMod): Appendix C Emission Calculation Details for CalEEMod. April.

Construction Schedule

Construction activities are anticipated to begin in July 2026 and would last approximately 18 months, ending in January 2028. Buildout of the proposed project would occur in one phase beginning with demolition, site preparation, and grading, followed by building construction. It was assumed that paving and architectural coating would occur concurrently with building construction. Although it does not form the basis of the evaluation or conclusion in this document, it is reasonable to assume that future improvements in technology would be incorporated into regulatory requirements related to equipment and fuels. Accordingly, should the construction schedule move to later years or take longer, construction emissions would be expected to decrease because of mandatory compliance with improvements in technology and more stringent regulatory requirements that would affect future construction equipment and fuels. (Therefore, this analysis represents a worst-case, conservative approach.) A detailed construction schedule is available in Appendix A.

Construction Activities

Demolition

Demolition activities would include demolition of the existing buildings (totaling 422,635 square feet) and existing pavement and hardscape (totaling 529,545 square feet), which would result in 39,424 cubic yards of demolition debris.

Site Preparation and Grading

Site preparation and grading activities were assumed to occur across the 23.75-acre project site following demolition. Site preparation would be followed by grading. Site preparation activities would include vegetation clearing (including the removal of 222 trees), removal of debris, and minor earthmoving. The removal of the trees was estimated to result in an additional 12 one-way vendor trips per day during the site preparation phase. Grading activities include soil compaction, trenching, and excavation. There would be no soil import or export.

Building Construction and Off-Site Improvements

Building construction would include the construction of the three warehouse buildings totaling 437,601 square feet and associated hardscape and parking areas. Off-site improvements would include the construction of Class IV bicycle lanes as well as sidewalk reconstruction along the project site frontage on Junction Avenue and Zanker Road. The northern sidewalk and curb cut at the intersection of Junction Avenue and East Plumeria Drive would also be reconstructed.

Architectural Coating and Paving

Architectural coating activities represent the application of paints, primers, sealants, and other surface coatings to building interiors and exteriors.

Paving activities include the installation of asphalt for roads, parking lots, and other paved surfaces on 9.4 acres of the project site. For the purposes of a conservative analysis, it was assumed that the entirety (1 acre) of the off-site improvements would be asphalt paved.

Operational Emissions

Operational activities associated with the proposed project would result in emissions of criteria pollutants and GHGs were quantified and estimated using CalEEMod Version 2022.1 for the operational scenario for the proposed project. Calculated construction emissions are shown in the CalEEMod reports included in Appendix A. Operational emissions are expected to occur from the following sources:

- Area Sources
- Energy Sources
- Mobile Sources
- Stationary Sources

Area Sources

Architectural Coatings

Area source emissions include occasional architectural coating activities for repainting of buildings or parking lots associated with the proposed project. These activities produce emissions resulting from the evaporation of solvents contained in paints, varnishes, primers, and other surface coatings. The analysis utilized CalEEMod default assumptions based on the proposed project's characteristics, including its land use and size.

Consumer Products

Other area source emissions include consumer products such as (but not limited to) detergents, cleaning compounds, polishes, personal care products, and lawn and garden products. Many of these products contain organic compounds when released in the atmosphere and can react to form ozone and other photochemically reactive pollutants. The analysis utilized CalEEMod default assumptions based on the proposed project's characteristics, including its land use and size.

Landscape Maintenance Equipment

Landscape maintenance equipment would generate emissions from fuel combustion and evaporation of unburned fuel. Equipment in this category would include lawnmowers, grinders, trimmers, and chain saws used to maintain the landscaping of the proposed project. CalEEMod emissions are based on OFFROAD inventories that assume a gasoline-only landscaping fleet inventory. As stated under the Regulatory Framework, AB 1346 aims to phase out the sale of new gasoline powered equipment under 25 gross horsepower (SOREs) beginning in 2024. Therefore, the analysis represents a conservative estimate of the landscaping-related emissions that continue to decline, phasing out almost entirely by 2040.

Energy

Energy sources would include those associated with building energy use. CalEEMod calculates building energy use by estimating electricity and natural gas consumption. It incorporates climate zone data, utility-specific emission factors, and building characteristics to model operational energy demand accounting for heating, cooling, lighting, and appliance usage and translates energy

consumption into greenhouse gas emissions. CalEEMod calculates default criteria air pollutant emissions from natural gas use as well. Building operations would result in indirect emissions related to electricity use and production, which is discussed below.

The proposed project would be all-electric and adjustments were made in CalEEMod to zero-out natural gas usage. To account for the additional electricity demand resulting from electrification, the analysis applied methods from the California Air Pollution Control Officers Association (CAPCOA) Handbook for Analyzing Greenhouse Gas Emission Reductions, Assessing Climate Vulnerabilities, and Advancing Health and Equity[26] (GHG Handbook). Specifically, California Commercial End-use Survey data were used to estimate electricity consumption for commercial building end uses that would otherwise rely on natural gas, including space heating, water heating, cooking, and other appliances. These adjustments follow the methodology outlined in Appendix E-15 of the CAPCOA Handbook for Analyzing Greenhouse Gas. Additional information is available in Appendix A.

Electricity (GHG Only)

GHG emissions modeling includes those indirect emissions from electricity consumption based on CalEEMod defaults for energy usage based on land use type and the 2019 Title 24 Building Standards. The energy consumption in megawatt-hour (MWh) per year is used in conjunction with the Energy Intensity of the purchased electricity to calculate the GHG emissions in CO_2e using the model default rate of CO_2 per megawatt of electricity produced, which is based on the local utility provider's default emissions rate in CalEEMod. Since the current version of CalEEMod 2022 included available forecasted GHG Emission Factor for SJCE, the default forecasted 2028 factor was used (3.6 pounds CO_2e/MWh electricity) was used for operational emission calculations.

Water and Waste (GHG Only)

CalEEMod includes calculations for indirect GHG emissions for electricity consumption, water consumption, and solid waste disposal. For water consumption, the model calculates embedded energy (e.g., treatment, conveyance, distribution) associated with providing each gallon of potable water to the project site. For solid waste disposal, GHG emissions are generated as solid waste generated by the proposed project decomposes in a landfill. CalEEMod defaults are assumed for the proposed project.

Mobile Sources

Motor vehicle emissions refer to exhaust and road dust emissions from the motor vehicles that would travel to and from and within the project site. The proposed project's operational-related air quality emissions from vehicle trips would be those generated by trucks, workers, and visitors traveling to and from the site.

[26] CAPCOA, 2024. Handbook for Analyzing Greenhouse Gas Emission Reductions, Assessing Climate Vulnerabilities, and Advancing Health and Equity. October.

Light-duty (Passenger) Vehicles

The trip generation rates for light-duty passenger vehicles were prepared for the project by Hexagon Transportation Consultants, Inc. (Hexagon) and were utilized for the CalEEMod modeling.[27] The trip generation estimates were based on average rates contained in the Institute of Transportation Engineers (ITE) Trip Generation Manual, 11th Edition for "Industrial Park" (Land Use Code 130) located in a general urban/suburban setting.

The traffic study adjusted the trip generation based on location-based mode share and assumed removal of the existing in-operation buildings, resulting in 882 **net** daily project trips. However, for the air quality analysis, a conservative approach was applied by using the **total** project trips (1,357 daily) rather than the net trips. This ensures that potential emissions are not underestimated and reflects a worst-case scenario for evaluating air quality impacts.

Passenger vehicle trip lengths were based on CalEEMod defaults.

Trucks

Truck trips (210 one-way trips per day) were estimated based on building square footage according to the ITE Trip Generation Manual, 12th Edition, for "Industrial Park" (Land Use Code 130).

The type of trucks associated with the proposed project was assumed to be comprised of 39.66 percent medium heavy-duty (MHDT) trucks and 60.34 percent heavy heavy-duty trucks (HHDT). The final tenant and commercial activity associated with the proposed project is unknown; therefore, the percentages of MHDT and HHDT is based on the City of Fontana Truck Trip Generation Study which represents a conservative, worst-case assessment of potential truck activity.[28]

As stated, the proposed project has no identified tenants at the time of this writing. The overall project site offers approximately 440,000 square feet of warehouse space and is strategically located in San José with efficient access to South Bay population centers, San José Mineta International Airport (SJC) and major freight corridors such as U.S. Highway 101 (US-101) and Interstate 880 (I-880), making it well suited for last-mile and regional distribution. Based on industry benchmarks, last-mile trips typically range from 5 to 15 miles, regional trips from 30 to 60 miles, and port trips to Oakland (from the project site) are, on average, approximately 40 miles. To represent a conservative scenario for regional distribution, it was assumed that 45 miles would be the average truck trip length, reflecting the upper end of regional delivery distances while accounting for the site's strong connectivity to Bay Area freight networks.

Stationary Sources

According to applicant-provided information, each building would include a 300-horsepower fire pump directly powered by a diesel engine. The emissions associated with the diesel engines were modeled

[27] Hexagon Transportation Consultants, Inc. 2025. Montague Pointe Industrial Trip Generation. September 9.

[28] City of Fontana, County of San Bernardino, and State of California. 2003. Truck Trip Generation Study. August.

in CalEEMod. Pursuant to current Bay Area Air District regulations, the diesel engines would be required to comply with Tier 3 emissions standards and operate up to 50 hours per year for regular testing and maintenance and were modeled as such.

Localized Emissions

Localized air emissions, including $PM_{2.5}$ and DPM, can pose significant health risks to nearby sensitive receptors due to their concentrated exposure levels. Unlike regional emissions, which contribute to broader air quality trends, a localized emissions analysis focuses on site-specific risks like cancer and respiratory effects, ensuring that sensitive receptors adjacent to a project are adequately protected.

Sensitive receptors are land uses where occupants may be more vulnerable to air pollutants due to age, health status, or long-term exposure. These typically include residences, schools, daycare centers, hospitals, senior facilities, and parks. Within approximately 1,000 feet of the project area, the closest sensitive receptors include residences, places of employment, and the HeadsUp Montessori Preschool.

Health Risk Assessment

To quantify and assess these risks, an HRA was conducted using dispersion modeling and exposure assumptions to estimate potential cancer and non-cancer health impacts from project-related construction and ongoing operational emissions. The HRA analyses follow OEHHA guidance and recommendations on conducting health risk assessments.[29] The following sources of emissions were included in the HRAs:

Construction

DPM and $PM_{2.5}$ emissions were quantified using CalEEMod for off-road construction equipment, as well as on-road mobile source emissions from construction vehicles including workers, vendors, and haul trucks traveling on roadways within 1,000 feet of the project site.

Construction equipment exhaust emissions were represented as area sources and exhaust from on-road diesel trucks travel paths within 1,000 feet if the site were represented as a line-volume source in AERMOD to estimate DPM concentrations in the surrounding area. Pre-processed meteorological data from the San José Mineta International Airport (2013–2017) was used to perform the dispersion calculations to determine the downwind concentrations of DPM at different locations or receptors.

Operation

DPM emissions were quantified from MHDT and HHDT trucks serving the warehouse. Trucks were assumed as 60.34 percent heavy heavy-duty diesel trucks and 39.66 percent medium heavy-duty

[29] Office of Environmental Health Hazard Assessment. 2015. Risk Assessment Guidelines, Guidance Manual for Preparation of Health Risk Assessments. February.

diesel trucks based on truck trip generation studies for warehouses.[30] All vehicle emission factors are based on EMFAC2021, as contained within CalEEMod for the initial operation year of 2028. Truck emissions included:

- Idling emissions (up to 15 minutes per truck—assuming multiple idling occurrences and compliance with 5-minute idling limits) split equally at loading docks across the three buildings areas. Idling emissions were modeled as area sources defined by the loading dock truck parking area.
- Exhaust emissions for low-speed on-site truck travel to each of the buildings (assuming travel at speeds of 0–5 mph). On-site truck travel exhaust emissions were modeled as line-volume sources based on truck circulation/access diagrams.
- Exhaust emissions from off-site trucks traveling in the vicinity of the site (at 15 mph) within the 1,000 foot buffer area on local roadways outside the project site. While posted speed limits may be higher than 15 mph, lower speeds result in higher emissions and this provides a conservative estimate of health risk accounting for low speeds due to congestion. Off-site truck travel exhaust emissions were modeled as line-volume sources following the local roadway taking into account truck heights and roadway widths.

A total of three 300-horsepower diesel fire pumps would be installed, one at each of the warehouse buildings. The diesel fire pumps would be required to comply with Bay Area Air District permit requirements which include meeting Tier 3 engines (at minimum). The modeling assumed that each of the 300-horsepower diesel fire pumps would operate up to a maximum of 50 hours per year based on the allowable limit for maintenance and testing. he diesel fire pumps are modeled as point sources.

Cancer risk, expressed as excess cancer cases per 1 million exposed individuals, was calculated at each receptor for the construction HRA and the operational HRA. For construction, the cancer risk is based on the exposure of individual receptors to diesel exhaust particulate over the construction period of 18 months and averaged over a lifetime exposure of 70 years. For operations, the residential cancer risk is based on the exposure of individual receptors to diesel exhaust particulate over an exposure duration of 30 years averaged over a lifetime exposure of 70 years. Worker risk for operations is based on an exposure of 25 years, consistent with Bay Area Air District and OEHHA guidance. Student risk from operational diesel emissions was based on the exposure duration based on a maximum potential 10-year attendance span at the Montessori preschool, elementary, and middle schools (from ages of 3 to 13 years of age). Resident risk is based on 350 days exposure per year while worker and student risk based on 250 days per year (year-round weekday exposure).

The results were analyzed to determine the location of the greatest affected individual resident and worker. Health risks were analyzed for the HeadsUp Montessori Preschool (also known as the

[30] City of Fontana, County of San Bernardino, State of California. 2003. Truck Trip Generation Study. August.

Emerson Montessori School) as well. The residential risk assessment methodology accounted for the developmental sensitivity of infants and children and was calculated based on infant exposure beginning in the third trimester. The worker risk assessment methodology was calculated based on exposure of workers aged 16 and older. The preschool and elementary school risk assessment methodology accounted for the developmental sensitivity and increased breathing rates of children aged three and older. For worker receptors and school receptors, the AERMOD period average concentrations (averaged over 24 hours per day, 365 per year) were corrected by utilizing an adjustment factor of 4.2 {(24/8 x (7/5)} to reflect the coinciding peak activity periods of emissions during construction and operation and worker and in-school presence (8 hours per day, 5 days per week). This adjustment ensures that emissions estimates capture the maximum overlapping impacts rather than including periods of inactivity or zero emissions that are averaged into the long-term concentrations. Health risk calculations were performed automatically utilizing HARP2.

TACs can also cause chronic (long-term) effects related to non-cancer illnesses, such as reproductive effects or birth defects, or adverse environmental effects. Annual concentrations of DPM as predicted by AERMOD and input in HARP2 were used to estimate chronic non-cancer hazards.

Additional details on the modeling parameters and assumptions utilized in the construction and operational HRAs are included in Appendix A.

5.2 - Energy

The approach to analysis for energy use is based on the CEQA Guidelines Appendix F (Energy Conservation) which is focused on energy conservation through the efficient use of energy resources. Estimates of energy consumption associated with the proposed project are based, in part, on information provided by the CalEEMod output included in Appendix A, according to the Methodology outlined in Section 5. Assumptions for construction and operations used to determine energy consumption are consistent with those used to determine Air Quality and Greenhouse Gas Impacts.

5.2.1 - Construction

Fuel consumption for on-site construction equipment and off-site construction vehicles is calculated using results derived from CalEEMod modeling. Off-road equipment fuel consumption is based on the mix of construction equipment and duration utilizing the CalEEMod inputs including number and type of equipment, duration of use, operating load factor, fuel type, and fuel consumption. Fuel consumption factors in terms of gallons per hour of diesel for off-road equipment were calculated using a factor of 0.054 gallons per brake horsepower hour (gal/bhp-hr).[31]

Fuel consumption for worker, vendor, and haul construction vehicles are also calculated based on CalEEMod inputs. The fuel consumption rates (miles per gallons) were obtained using the ARB

[31] California Air Resources Board (ARB). 2021. Low Emission Diesel (LED) Study: Biodiesel and Renewable Diesel Emissions in Legacy and New Technology Diesel Engines. November 2021.

EMFAC2021 Web Tool.[32] The rates were based on the County-specific inventory for the initial construction year and calculated for the vehicle categories for each vehicle type in CalEEMod. Consistent with CalEEMod assumptions for workers, the assumed fleet is 25 percent light-duty auto (LDA), 50 percent light-duty truck 1 axel (LDT1), and 25 percent light-duty truck 2 axel (LDT2) and is assumed to be gasoline fueled. Haul and vendor truck fuel consumption was calculated consistently with CalEEMod assumptions that the trucks are all diesel-fueled. Vendor trucks during building construction were assumed 50 percent MHDT and HHDT, while asphalt vendor trucks and demolition haul trucks were assumed to all be HHDT.

5.2.2 - Operation

Mobile Sources

Fuel consumption factors for operational mobile sources were calculated based on the VMT and operational fleet for each land use modeled in CalEEMod. The EMFAC WebTool was used to develop fuel consumption rates corresponding to the County fleet for the Operational Year modeled in CalEEMod. These up-to-date inventories include electric and conventional vehicle inventory data as well as compressed natural gas (CNG) bus and truck data. Electric usage was characterized as kWh/vehicle-mile and fossil fuel usage by miles per gallon (mpg). CNG usage is reported in gallons equivalent.

Building Energy

Natural gas and electricity estimates are based on CalEEMod Energy Calculations and include Title 24 and non-Title 24 energy based on size, land use, and Electricity Demand Forecast Zone (EDFZ) climate zone. CalEEMod Energy Calculations are based on 2019 Title 24, providing somewhat conservative estimates of building energy use. In addition, the proposed project would include the use of diesel engines to power fire pumps on-site within each of the three buildings. The diesel engines would be subject to Bay Area Air District permitting requirements; these diesel engines contribute to the proposed project's baseline energy demand.

[32] California Air Resources Board (ARB). 2023. EMFAC Web Tool. Website: https://arb.ca.gov/emfac/emissions-inventory. Accessed January 16, 2026.

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6 - AIR QUALITY ANALYSIS

According to CEQA Guidelines Appendix G, the following questions are analyzed and evaluated to determine whether impacts related to air quality are significant environmental effects. Would the project:

1) Conflict with or obstruct implementation of the applicable air quality plan?
2) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or State Ambient Air Quality Standard?
3) Expose sensitive receptors to substantial pollutant concentrations?
4) Create objectionable odors affecting a substantial number of people?

6.1 - Thresholds of Significance

Where available, significance criteria established by the applicable air quality management or air pollution control district may be relied upon to assist in making significance determinations. The Bay Area Air District's 2022 CEQA Guidelines contain significance criteria for evaluating air quality impacts of projects and plans proposed within the Bay Area, are presented in Table 6, and were utilized for this analysis.

Table 6: Bay Area Air District Air Quality Thresholds of Significance (Project Level)

	Construction Related*	Operational Related	
Criteria Air Pollutants and Precursors (Regional)			
Pollutant	**Average Daily Emissions (lb/day)**	**Average Daily Emissions (lb/day)**	**Maximum Annual Emissions (tpy)**
ROG	54	54	10
NO_X	54	54	10
PM_{10}	82 (exhaust)	82	15
$PM_{2.5}$	54 (exhaust)	54	10
$PM_{10}/PM_{2.5}$ (fugitive dust)	Best Management Practices**	None	
Local CO	None	9.0 ppm (8-hour average), 20.0 ppm (1-hour average)	

	Construction Related*	Operational Related
Criteria Air Pollutants and Precursors (Regional)		
Local Risks and Hazards		
Risks and hazards for new sources and receptors (cumulative threshold)	Same as operational thresholds	Cancer Risk: > 100 in a million (from all local sources) Non-cancer: > 10.0 Hazard Index (chronic, from all sources) $PM_{2.5}$: >0.8 ug/m^3 annual average (from all local sources) OR Compliance with Qualified Risk Reduction Plan
Risks and hazards for new sources and receptors (individual project)	Same as operational thresholds	Cancer Risk: > 10.0 in a million (from all local sources) Non-cancer: > 1.0 Hazard Index (chronic, from all sources) $PM_{2.5}$: >0.3 ug/m4 annual average (from all local sources) OR Compliance with Qualified Risk Reduction Plan
Accidental release of acutely hazardous air pollutants		
--	None	Storage of use of acutely hazardous materials locating near receptors or new receptors locating near stored or used acutely hazardous materials considered significant.
Odors		
--	None	Five confirmed complaints per year averaged over 3 years.

Notes:
ug/m^3 = micrograms per cubic meter
CO = carbon monoxide
lb = pounds
ppm = parts per million
ROG = reactive organic gases
NO_X = oxides of nitrogen
PM_{10} = particulate matter 10 micrometers or less
$PM_{2.5}$ = particulate matter 10 micrometers or less
tpy = tons per year
Source: Bay Area Air Quality Management District (Bay Area Air District). 2022. CEQA Air Quality Guidelines. April.

6.2 - Consistency with Air Quality Management Plan

AIR-1:	**The proposed project could conflict with or obstruct implementation of the applicable air quality plan.**

The Bay Area Air District has adopted several air quality policies and plans to address the attainment and maintenance of State and federal air quality standards. The current Bay Area Air District attainment plan is the 2017 Clean Air Plan, adopted in April 2017. The 2017 Clean Air Plan serves as the regional Air Quality Plan (AQP) for the SFBAAB for attaining federal AAQS. A project would be judged to conflict with or obstruct the 2017 Clean Air Plan implementation if it would result in substantial new regional emissions not foreseen in the air quality planning process.

The Bay Area Air District's 2022 CEQA Guidelines outlines the following criteria that should be used for determining a project's consistency with the AQP.

- **Criterion 1:** Does the project support the primary goals of the AQP?
- **Criterion 2:** Does the project include applicable control measures from the AQP?
- **Criterion 3:** Does the project disrupt or hinder implementation of any AQP control measures?

Primary Goals of the Air Quality Plan

The primary goals of the 2017 Clean Air Plan are to attain air quality standards, reduce population exposure to unhealthy air and protect the public health in the Bay Area, and reduce GHG emissions and protect the climate.

As discussed under impact AIR-2 below, the proposed project would not result in a cumulatively considerable net increase of any criteria pollutant during project construction or operation and, therefore, would not impede the 2017 Clean Air Plan's goal to attain air quality standards. Therefore, the proposed project supports the 2017 Clean Air Plan's goal to attain air quality standards.

As discussed under impact AIR-3 below, implementation of the proposed project would not expose sensitive populations to unhealthy air during project construction or operation, and therefore, the proposed project supports the 2017 Clean Air Plan's goal to reduce population exposure to unhealthy air and protect public health in the Bay Area.

Finally, the proposed project would incorporate several attributes to protect the climate. The proposed project consists of three new industrial warehouse buildings replacing older, less efficient existing structures and utilizing an urban infill location already served by municipal infrastructure and transit. By situating the development near major employment centers and freight corridors, the proposed project minimizes regional VMT compared to similar facilities in more remote areas, supporting regional efforts to reduce transportation-related GHG emissions. In addition, the proposed project includes sustainability features such as all-electric design, solar-ready roofs, and EV charging stations, further advancing clean energy goals. Therefore, the proposed project supports the 2017 Clean Air Plan's goal to reduce GHG emissions and protect the climate.

The proposed project supports the goals of the 2017 Clean Air Plan and would be consistent with Criterion 1.

Applicable Control Measures

The 2017 Clean Air Plan contains 85 control measures that describe specific actions to reduce air pollutants and GHG emissions at the local, regional, and global levels. To establish compliance with the Clean Air Plan, the proposed project would be required to comply with applicable Clean Air Plan control measures, listed in Table 7 below:[33]

Table 7: Project Consistency with the Bay Area Air District 2017 Clean Air Plan

Control Measures	Measures Description	Project Consistency
BL1: Green Buildings	Collaborate with partners to identify energy improvements and renewable energy opportunities in school districts while exploring funding strategies for implementation. Address barriers to local enforcement of the California Green Building Standards Code (CALGreen; Title 24) building Energy Code and develop solutions to improve compliance. Work with Association of Bay Area Governments (ABAG) BayREN program and other partners to expand funding and reduce emissions from targeted building types.	**Consistent**. The proposed project would comply with the current energy efficiency standards (set forth in the 2022 California Title 24 Energy Code and the current 2025 CALGreen). Accordingly, the proposed project would incorporate applicable energy efficiency and other green building features designed to reduce project energy consumption. The proposed project will be built as all-electric, which exceeds current energy efficiency and renewable energy standards in the building code.
BL4: Urban Heat Island Mitigation	Develop and urge adoption of model ordinances and building code updates that promote cool surface treatments for parking areas and roofing upgrades in new and existing buildings.	**Consistent**. The proposed project would incorporate ample landscaping around the perimeter of the project site and throughout the parking areas, which would help to mitigate the urban heat island effect. The proposed landscape plan would meet the City's landscape, tree protection, and irrigation requirements as set forth in Ordinance 15.11 and other relevant

[33] Bay Area Air Quality Management District (Bay Area Air District). 2017. Final 2017 Clean Air Plan. Website: https://www.baaqmd.gov/plans-and-climate/air-quality-plans/current-plans#:~:text=The%202017%20Plan%20includes%20a,climate%20pollutants%20in%20the%20near%2D. Accessed January 16, 2026.

Control Measures	Measures Description	Project Consistency
		provisions in the City's Municipal Code.
EN1: Decarbonize Electricity Generation	Engage with Pacific Gas and Electric Company (PG&E), municipal utilities, and Community Choice Aggregations (CCAs) to increase the share of renewable energy used in electricity generation within and imported into the Bay Area. Collaborate with local governments and stakeholders—including dairy farms, forest managers, and waste facilities—to expand local renewable energy programs and boost biomass use in electricity production.	**Consistent**. The proposed project would enroll in San José Clean Energy (SJCE) as part of the Standard Permit Condition (SPC) applied to the project. Additionally, sustainability measures include a solar "ready" roof to accommodate future solar arrays on the roof, as desired by the tenant.
EN2: Decrease Electricity Demand	Work with local governments to adopt new energy efficiency policies and support their programs through best practices, model ordinances, and technical assistance. Collaborate with partners to develop messaging that helps reduce electricity demand during peak usage times.	**Consistent**. The proposed project would comply with the current energy efficiency standards (set forth in the 2025 California Title 24 Energy Code), and 2025 CALGreen) incorporating applicable energy efficiency and other green building features designed to reduce project energy consumption, including flat, solar-ready roofs and new state-of-the-art construction incorporating energy-efficient and renewable elements, which would replace the old, less efficient buildings. The proposed project would include skylights to enhance natural lighting, thereby reducing energy needs.
NW2: Urban Tree Planting	Develop or identify a model municipal tree planting ordinance and encourage its adoption by local governments, incorporating recommendations from the Air District's technical guidance, best practices for local planning, and CEQA review.	**Consistent**. The proposed project would incorporate ample landscaping around the perimeter of the project site and throughout the parking areas, and would meet the City's landscape, tree protection, and irrigation requirements as set forth in Ordinance 15.11 and other relevant provisions in the City's Municipal Code.
WA3: Green Waste Diversion	Develop model policies to facilitate local adoption of ordinances and programs to reduce the amount of green waste going to landfills.	**Consistent**. The proposed project would utilize a waste service provider with services that are compliant with applicable

Control Measures	Measures Description	Project Consistency
		requirements of Assembly Bill (AB) 341, Senate Bill (SB) 939, and SB 1374.
WA4: Recycling and Waste Reduction	Develop or identify and promote model ordinances on community-wide zero waste goals and recycling of construction and demolition materials in commercial and public construction projects.	**Consistent**. The proposed project would utilize a waste service provider with services that are compliant with applicable requirements of AB 341, SB 939, and SB 1374.
SS36: Particulate Matter from Trackout	Develop new air district rule to prevent mud/dirt and other solid trackout from construction, landfills, quarries and other bulk material sites.	**Consistent**. The proposed project would be required to implement the City's Standard Permit Condition (SPC) AQ-1 for fugitive dust mitigation, which would require the incorporation of Bay Area Air District's Basic Construction Mitigation Measures.
TR9: Bicycle and Pedestrian Access and Facilities	Encourage planning for bicycle and pedestrian facilities in local plans and fund bike lanes, routes, paths, and bicycle parking facilities.	**Consistent**. The proposed project would install Class IV bicycle lanes along the project site frontage on Junction Avenue and Zanker Road as well as reconstruct portions of the sidewalk on the project site frontage along Zanker Road. It would also provide bicycle parking.
Source: Bay Area Air Quality Management District (Bay Area Air District). 2017. Final 2017 Clean Air Plan. April 19.		

The proposed project would not conflict with any applicable measures under the 2017 Clean Air Plan given the application of SPC AIR-1 for dust control measures; therefore, the proposed project would be consistent with Criterion 2.

Hindrance of Implementation of AQP Control Measures

The proposed project would not preclude extension of a transit line or bike path, propose excessive parking beyond parking requirements, or otherwise create an impediment or disruption to implementing any AQP control measures, as discussed above. The proposed project would not disrupt or hinder the implementation of any AQP control measures and would be consistent with Criterion 3.

Summary

Overall, the proposed project would demonstrate consistency with the relevant and applicable air quality plan, and impacts would be less than significant.

6.3 - Cumulatively Considerable Net Increase in Criteria Air Pollutants

AIR-2:	**The proposed project would not result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or State ambient air quality standard**

Potential proposed project impacts could result in exceedances of State or federal standards for which the SFBAAB is in nonattainment including ozone and PM_{10} and $PM_{2.5}$. Therefore, the following analysis assesses ozone (e.g., precursor emissions NO_X and ROG), and particulate matter (both PM_{10} and $PM_{2.5}$) emissions associated with the proposed project.

As discussed in Section 5, Methodology, it is well-established that adverse health effects may result from exposure of various criteria air pollutants and precursors, both acutely and chronically. Therefore, to assess the potential, foreseeable health impacts from the proposed project, the NO_X, ROG, and particulate matter emissions were calculated and compared against the Bay Area Air District's project-level mass thresholds. These project-level mass emissions thresholds were developed in consideration of long-term air quality planning in the SFBAAB and are designed to capture excess emissions that would inhibit attainment of the NAAQS and CAAQS for various pollutants. Projects that exceed these mass emissions thresholds, whether before mitigation or following application of mitigation measures, may contribute emissions that would degrade the ambient air quality of the SFBAAB and expose people to concentrations of criteria air pollutants found by the EPA and ARB to be hazardous to human health. By the same logic, projects that would not exceed the mass emissions thresholds of significance on a project level also would not be considered to result in a cumulatively considerable contribution to these regional air quality impacts and would not expose people to concentrations of criteria air pollutants found by the EPA and ARB to be hazardous to human health.

Although the SFBAAB is in attainment for CO, elevated concentrations of CO still warrant consideration according to the Bay Area Air District. Occurrences of elevated localized CO concentrations, known as hot spots, are often associated with heavy traffic congestion, which most frequently occurs at signalized intersections of high-volume roadways. Thus, CO emissions are evaluated in accordance with Bay Area Air District guidance.

Construction and operational emissions are analyzed separately below.

Construction Emissions

Construction Emissions: Fugitive Dust

Construction-related activities, such as site preparation and grading, demolition, and material delivery and hauling, would result in fugitive dust emissions (e.g., $PM_{2.5}$ and PM_{10}). PM_{10}/$PM_{2.5}$ (fugitive dust) is recognized to impact local communities. The Bay Area Air District does not have a numerical

threshold of significance for fugitive dust particulate matter emissions. Instead, the Bay Area Air District bases the determination of significance for fugitive dust on whether feasible and effective control measures have been implemented or not. For a project to have a less than significant impact related to construction-related fugitive dust emissions, it must implement the Bay Area Air District's Basic BMPs. With the incorporation of the City's SPC AQ-1, the proposed project would implement Basic Construction Mitigation Measures for fugitive dust and would therefore demonstrate a less than significant impact related to short-term construction fugitive dust emissions. In addition, the proposed project would comply with all applicable Bay Area Air District rules, including Regulation 6, Rule 1 (General Requirements) and Regulation 6, Rule 6 (Prohibition of Trackout), which require dust-generating operations to limit PM emissions.

Construction Air Pollutant Emissions: ROG, NO_X, PM_{10}, and $PM_{2.5}$

Construction-related emissions for the proposed project were estimated according to the methods and assumptions described in Section 5, Methodology. Table 8 shows the proposed project's average daily emissions from construction. As shown, construction exhaust emissions from construction activities would be below the recommended thresholds of significance. Fugitive dust emissions require certain Bay Area Air District Basic Construction Control Measures which (as stated above) would be implemented by the proposed project as enforced through the City's SPC AQ-1 to control dust at the project site during all phases of construction.

Table 8: Regional Criteria Pollutant Emissions–Construction

	Construction Emissions					
	ROG	**NO_X**	**PM_{10} (Exhaust)**	**$PM_{2.5}$ (Exhaust)**	**PM_{10} (Fugitive Dust)[1]**	**$PM_{2.5}$ (Fugitive Dust)[1]**
Construction Activity	**Average Working Daily Emissions (lbs/day)**					
2026	2.7	29.6	0.95	0.88	14.7 (8.5)	4.4 (2.0)
2027	16.0	13.1	0.40	0.37	2.06	0.50
2028	47.1	20.1	0.61	0.55	2.54	0.62
Significance Threshold (lbs/day)	**54**	**54**	**82**	**54**	**BMPs**	**BMPs**
Exceeds Significance Threshold?	**No**	**No**	**No**	**No**	**NA**	**NA**

Notes:
lbs = pounds
NO_X = oxides of nitrogen
PM_{10} = particulate matter 10 micrometers or less in diameter
$PM_{2.5}$ = particulate matter 2.5 micrometers or less in diameter
ROG = reactive organic gases

Construction Activity	Construction Emissions					
	ROG	NO_X	PM_{10} (Exhaust)	$PM_{2.5}$ (Exhaust)	PM_{10} (Fugitive Dust)[1]	$PM_{2.5}$ (Fugitive Dust)[1]
	Average Working Daily Emissions (lbs/day)					

Average daily emissions were calculated by dividing the pounds of emissions by the number of net workdays of construction for each construction year (124 days in 2026, 261 days in 2027 and 15 days in 2028).

[1] The numbers without parentheses are the emissions without the BMPs; the numbers within parentheses are the emissions after incorporation of the BMPs.

Source: California Emissions Estimator Model (CalEEMod) Output (see Appendix A).

Operational Emissions

Operational Emissions: ROG, NO_X, PM_{10}, and $PM_{2.5}$

Operational-related emissions for the proposed project were estimated according to the methods and assumptions described in Section 5, Methodology, and compared against the Bay Area Air District's thresholds of significance. As shown in Table 9, the proposed project would not exceed any of the Bay Area Air District's thresholds of significance for regional daily operational emissions. Therefore, the proposed project's operation would have less than significant impact related to emissions of ROG, NO_X, exhaust PM_{10}, and exhaust $PM_{2.5}$.

Table 9: Regional Criteria Pollutant Emissions–Operation

Year	ROG	NO_X	PM_{10} Total	$PM_{2.5}$ Total
2028–Project Buildout				
Area (lbs/day)	12	0.08	0.02	0.01
Energy, all-electric (lbs/day)	<0.005	<0.005	<0.005	<0.005
Mobile (lbs/day)	2.5	29	16	4.5
Stationary Sources, diesel engines (lbs/day)	0.20	0.57	0.03	0.03
Total (lb/day)	**15**	**30**	**16**	**4.5**
Significance Threshold (lbs/day)	**54**	**54**	**82**	**54**
Exceeds Significance Threshold?	**No**	**No**	**No**	**No**
Annual Average (tons/year)	2.4	5.3	1.8	0.54
Significance Threshold (tons/year)	**10**	**10**	**15**	**10**
Exceeds Significance Threshold?	**No**	**No**	**No**	**No**

Year	ROG	NO_X	PM_{10} Total	$PM_{2.5}$ Total
Notes: Bay Area Air District = Bay Area Air Quality Management District NO_X = nitrogen oxides PM_{10} = particulate matter, including dust, 10 micrometers or less in diameter $PM_{2.5}$ = particulate matter, including dust, 2.5 micrometers or less in diameter ROG = reactive organic gases Source: California Emissions Estimator Model (CalEEMod) Output (see Appendix A).				

Operational Emissions: Carbon Monoxide Hotspot

A CO hotspot is a localized concentration of CO that is above a CO AAQS. Localized CO hotspots typically occur at areas with high vehicle density, such as intersections with heavy peak-hour traffic, and also where vertical and/or horizontal mixing is substantially limited (e.g., tunnel, parking garage, bridge underpass, natural or urban street canyon, below-grade roadway). The CO emissions from traffic generated by the proposed project are a concern at the local level because project trip generation could lead to congested intersections that can result in high localized concentrations of CO.

The Bay Area Air District provides screening criteria to determine whether implementing the proposed project could result in local CO emissions that exceed thresholds of significance. If all the following screening criteria are met, operation of the proposed project would result in a less than significant impact related to CO:

- The project is consistent with an applicable congestion management program established by the county congestion management agency for designated roads or highways, the regional transportation plan, and local congestion management agency plans.
- Project-generated traffic would not increase traffic volumes at affected intersections to more than 44,000 vehicles per hour.
- Project-generated traffic 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, below-grade roadway).

Consistency with an Applicable Congestion Management Program

In accordance with SB 743, transportation analysis under CEQA no longer uses delay-based metrics such as congestion to analyze project impacts. The City's Transportation Analysis Handbook (2023) provides CEQA traffic analysis exemption screening criteria for development projects. The criteria are based on the type of project, characteristics, and location. If a project meets the City's screening criteria, the project is expected to result in less than significant VMT impacts and a detailed CEQA VMT analysis is not required. The proposed project would demolish existing office uses and construct new industrial uses, resulting in an overall reduction in square footage and associated VMT. It was

determined that the proposed project would not require a VMT analysis (and would be considered less than significant for VMT). **Therefore, the proposed project is consistent with the first criterion.**

Increase Traffic Volumes at Affected Intersections to No More Than 44,000 Vehicles Per Hour (or 24,000 Vehicles Per Hour Where Mixing Is Substantially Limited)

The traffic analysis prepared by Hexagon for the proposed project includes a study of the nearby intersections, including an analysis of AM and PM peak-hour traffic volumes. The intersections were within 0.5 mile of the proposed project's property line. The intersection with the highest recorded AM and PM peak-hour traffic is Montague Expressway and Zanker Road with maximum AM peak-hour counts of 2,498 and maximum PM peak-hour trip counts of up to 1,769. **Therefore, project-generated traffic would not increase traffic volumes at affected intersections to more than 44,000 or 24,000 vehicles per hour, which satisfies the screening requirements for criterion two and criterion three.**

Therefore, based on the above criteria, **the proposed project would not exceed the CO screening criteria and would have a less than significant impact related to CO.**

6.4 - Local Community Risks and Hazards

AIR-3:	**The proposed project would not expose sensitive receptors to substantial pollutant concentrations.**

The proposed project is within 1,000 feet of residential, worker and daycare receptors and the construction emissions have the potential to result in significant health risks due to DPM and/or $PM_{2.5}$ concentrations. Sensitive receptors are particularly affected by air pollution because they are persons that are ill, elderly, or have lungs that are not fully developed.

Construction

Health Risk Assessment–Project Construction

An HRA was conducted according to the methods discussed above in Section 5, Methodology, and potential health risks from the proposed project's construction were assessed at the nearby residential receptors, worker receptors, and the HeadsUp Montessori Preschool. The HRA identified a Maximally Exposed Individual Resident (MEIR) and a Maximally Exposed Individual Worker (MEIW) and evaluated health risks at the HeadsUp Montessori Preschool (Emerson Montessori School). The MEIR is the residential receptor that would experience the highest health effects from the project construction and is located northeast across Montague Expressway. The MEIW is the worker receptor that would experience the highest health effects from project construction and is located to the southeast across East Plumeria Road.

Table 10 presents a summary of the proposed project's construction cancer risk, chronic non-cancer hazard, and predicted annual $PM_{2.5}$ concentration impacts at the MEIR, the MEIW, and at the preschool. As shown, estimated health risks and $PM_{2.5}$ concentrations from DPM related to project

construction would not exceed the single source significance thresholds established by Bay Area Air District at any of the receptors, and impacts would be less than significant.

Table 10: Estimated Health Risks and $PM_{2.5}$ Concentrations–Project Construction

	Cancer Risk (risk per million)	Chronic Non-cancer Hazard Index	Acute Non-cancer Hazard Index	Maximum Annual $PM_{2.5}$ ($\mu g/m^3$)
Maximally Exposed Individual Receptor	4.4	<0.01	—	0.025
Maximally Exposed Individual Worker	0.43	<0.01	—	0.03
HeadsUp Montessori Preschool Emerson Montessori School	4.9	<0.01	—	0.006
Thresholds of Significance	**10**	**1**	**1**	**0.3**
Exceeds Individual Source Threshold?	**No**	**No**	**No**	**No**

Notes:
$\mu g/m^3$ = micrograms per cubic meter
$PM_{2.5}$ = particulate matter less than 2.5 microns in diameter
[1] The Maximally Exposed Individual Receptor is located in the multi-family apartment building (Elan Village) directly east of the site to the site. The Maximally Exposed Individual Worker was found to be a worker to the southeast of the project site across E. Plumeria Drive.
Risk was evaluated for diesel exhaust particulate matter, which does not have an established Acute Reference Exposure Level Emissions.
Source: Appendix A.

Health Risk Assessment – Cumulative (Project Construction and Existing Sources)

The Bay Area Air District recommends conducting a cumulative HRA to assess the cumulative impacts of the proposed project's construction-related health risks and $PM_{2.5}$ concentrations in combination with existing sources of TACs and $PM_{2.5}$ concentrations within 1,000 feet of the proposed project at the most impacted nearby receptors, including the MEIR, the MEIW, and the HeadsUp Montessori Preschool.

To conduct a cumulative HRA, the Bay Area Air District provides several tools for use in identifying the existing sources of air pollution and associated health risks nearby a project. These tools include the Stationary Source Screening Map,[34] which provides the location of all the stationary sources permitted by the Bay Area Air District; and the Mobile Screening Map (and associated data layers),

[34] Bay Area Air Quality Management District (Bay Area Air District). 2024. Stationary Source Screening Map. Website: https://baaqmd.maps.arcgis.com/apps/webappviewer/index.html?id=845658c19eae4594b9f4b805fb9d89a3. Accessed December 12, 2025.

which provides estimated cancer risk, hazards estimates, and $PM_{2.5}$ concentrations at varying distances from all Bay Area roadways, rail lines and railyards. Outputs from the Bay Area Air District screening tools are documented in Appendix A.

The cumulative health risks at the maximally exposed receptors are summarized in Table 11. As shown, health risks and $PM_{2.5}$ concentrations would be below the Bay Area Air District's cumulative thresholds of significance (including when considered in combination with project operation, as shown in Table 13) and impacts would be less than significant.

Table 11: Summary of the Cumulative Health Impacts–Project Construction at Maximally Exposed Receptors

Sources and Receptors	Cancer Risk (per million)	Chronic Hazard Index	Maximum Annual $PM_{2.5}$ Concentration ($\mu g/m^3$)
Maximally Exposed Individual Resident (MEIR)			
Project Construction	4.4	<0.01	0.03
Stationary Sources[1]	18	0	0.03
Roadways	19.98	0.07	0.53
Cumulative Health Risks MEIR	**42.38**	**0.08**	**0.57**
Maximally Exposed Individual Worker (MEIW)			
Project Construction	0.43	<0.01	0.03
Stationary Sources[1]	10	0	0.01
Roadways	9.59	0.04	0.25
Cumulative Health Risks at MEIW	**20.02**	**<0.05**	**0.29**
HeadsUp Montessori Preschool (Emerson Montessori School)			
Project Construction	4.9	<0.01	0.01
Stationary Sources[1]	4	0.11	0.02
Roadways	7.02	0.03	0.26
Cumulative Health Risks at HeadsUp Montessori Preschool (Emerson Montessori School)	**15.92**	**<0.15**	**0.29**
Threshold of Significance	**100**	**10**	**0.8**
Threshold Exceedance?	**No**	**No**	**No**

Notes:
$PM_{2.5}$ = particulate matter less than 2.5 microns in diameter
$\mu g/m^3$ = micrograms per cubic meter

Sources and Receptors	Cancer Risk (per million)	Chronic Hazard Index	Maximum Annual $PM_{2.5}$ Concentration ($\mu g/m^3$)

[1] The stationary source associated with Facility ID 23806 (MediaTek USA Inc.) at 2840 Junction Avenue was assumed to be decommissioned (as part of the project demolition) and therefore the health risks from this stationary source are omitted.
[2] Stationary source cancer risks, hazards and $PM_{2.5}$ concentrations are based on Bay Area Air District values at the source centroid and represent a conservative estimate and screening evaluation of maximum cumulative impacts. The predicted values decrease with increasing distance from the project site.
There are no rail lines or railyards in the vicinity of the project site. Bay Area Air District raster data shows 0 cancer risk, chronic hazard index, and $PM_{2.5}$ concentration contributions from all identified locations.
Stationary sources within 1,000 feet of each receptor are reflected in the table, and therefore health risk values are different and representative of the varying locations of the MEIR, the MEIW, and the school.
Project and stationary source risks and hazards are for diesel exhaust, which does not have an established Acute Reference Exposure Level.
Source: Appendix A

Operation

Health Risk Assessment–Project Operation

An HRA was conducted according to the methods discussed above in Section 5, Methodology, and potential health risks from the proposed project's operation were assessed at the nearby residential receptors, worker receptors, and the HeadsUp Montessori Preschool. The HRA identified a MEIR and a MEIW and evaluated health risks at the HeadsUp Montessori Preschool (Emerson Montessori School). The MEIR is the residential receptor that would experience the highest health effects from the project's operation and is located northeast across Montague Expressway. The MEIW is the worker receptor that would experience the highest health effects from project's operation and is located to the west across Junction Avenue.

Table 12 presents a summary of the proposed project's operational cancer risk, chronic non-cancer hazard, and predicted annual $PM_{2.5}$ concentration impacts at the MEIR, the MEIW, and at the preschool. As shown, estimated health risks and $PM_{2.5}$ concentrations from DPM related to project operation would not exceed the single source significance thresholds established by Bay Area Air District at any of the receptors, and impacts would be less than significant.

Table 12: Estimated Health Risks and $PM_{2.5}$ Concentrations–Project Operation

	Cancer Risk (risk per million)	Chronic Non-cancer Hazard Index	Acute Non-cancer Hazard Index	Maximum Annual $PM_{2.5}$ ($\mu g/m^3$)
Maximally Exposed Individual Receptor	1.48	0	—	0
Maximally Exposed Individual Worker	0.18	0	—	0

	Cancer Risk (risk per million)	Chronic Non-cancer Hazard Index	Acute Non-cancer Hazard Index	Maximum Annual $PM_{2.5}$ ($\mu g/m^3$)
HeadsUp Montessori Preschool Emerson Montessori School	0.17	0	—	0
Thresholds of Significance	**10**	**1**	**1**	**0.3**
Exceeds Individual Source Threshold?	**No**	**No**	**No**	**No**

Notes:
$\mu g/m^3$ = micrograms per cubic meter
$PM_{2.5}$ = particulate matter less than 2.5 microns in diameter

The Maximally Exposed Individual Resident is located in the multi-family apartment building (Elan Village) directly east of the site to the site. The Maximally Exposed Individual Worker was found to be a worker to the south of the project site across Junction Avenue.

Risk was evaluated for Diesel Exhaust Particulate Matter which does not have an established Acute Reference Exposure Level.

Source: Appendix A.

Health Risk Assessment–Cumulative (Project Operation and Existing Sources)

The Bay Area Air District recommends conducting a cumulative HRA to assess the cumulative impacts of the proposed project's operational-related health risks and $PM_{2.5}$ concentrations in combination with existing sources of TACs and $PM_{2.5}$ concentrations within 1,000 feet of the proposed project at the most impacted nearby receptors, including the MEIR, the MEIW, and the HeadsUp Montessori Preschool.

To conduct a cumulative HRA, the Bay Area Air District provides several tools for use in identifying the existing sources of air pollution and associated health risks nearby a project. These tools include the Stationary Source Screening Map,[35] which provides the location of all the stationary sources permitted by the Bay Area Air District; and the Mobile Screening Map (and associated data layers), which provides estimated cancer risk, hazards estimates, and $PM_{2.5}$ concentrations at varying distances from all Bay Area roadways, rail lines and railyards. Outputs from the Bay Area Air District screening tools are documented in Appendix A.

The cumulative health risks at the maximally exposed receptors are summarized in Table 13. As shown, health risks and $PM_{2.5}$ concentrations would be below the Bay Area Air District's cumulative

[35] Bay Area Air Quality Management District (Bay Area Air District). 2024. Stationary Source Screening Map. Website: https://baaqmd.maps.arcgis.com/apps/webappviewer/index.html?id=845658c19eae4594b9f4b805fb9d89a3. Accessed December 12, 2025.

thresholds of significance (including when in combination with construction-related health risks, as shown in Table 11) and impacts would be less than significant.

Table 13: Summary of the Cumulative Health Impacts–Project Operation at Maximally Exposed Receptors

Sources and Receptors	Cancer Risk (per million)	Chronic Hazard Index	Maximum Annual $PM_{2.5}$ Concentration ($\mu g/m^3$)
Maximally Exposed Individual Resident (MEIR)			
Project Operation	1.48	0	0
Stationary Sources[1]	18	0	0.03
Roadways	19.98	0.07	0.53
Cumulative Health Risks MEIR	**39.46**	**0.07**	**0.56**
Maximally Exposed Individual Worker (MEIW)			
Project Operation	0.18	0	0
Stationary Sources[2]	0	0.11	0
Roadways	7.4	0.03	0.25
Cumulative Health Risks at MEIW	**7.58**	**0.14**	**0.25**
HeadsUp Montessori Preschool (Emerson Montessori School)			
Project Operation	0.17	0	0
Stationary Sources	4	0.11	0.02
Roadways	7.02	0.03	0.26
Cumulative Health Risks at HeadsUp Montessori Preschool (Emerson Montessori School)	**11.19**	**0.14**	**0.28**
Threshold of Significance	**100**	**10**	**0.8**
Threshold Exceedance?	**No**	**No**	**No**

Notes:
$PM_{2.5}$ = particulate matter less than 2.5 microns in diameter
$\mu g/m^3$ = micrograms per cubic meter

[1] The stationary source associated with Facility ID 23806 (MediaTek USA Inc) at 2840 Junction Avenue was assumed to be decommissioned (as part of the project demolition) and therefore the health risks from this stationary source are omitted.

Stationary source cancer risks, hazards, and $PM_{2.5}$ concentrations are based on Bay Area Air District values at the source centroid and represent a conservative estimate and screening evaluation of maximum cumulative impacts. The predicted values decrease with increasing distance from the project site.

There are no rail lines or railyards in the vicinity of the project site. Bay Area Air District raster data shows 0 cancer risk, chronic hazard index, and $PM_{2.5}$ concentration contributions from all identified locations.

Sources and Receptors	Cancer Risk (per million)	Chronic Hazard Index	Maximum Annual $PM_{2.5}$ Concentration ($\mu g/m^3$)
Stationary sources within 1,000 feet of each receptor are reflected in the table, and therefore health risk values are different and representative of the varying locations of the MEIR, the MEIW and the school.			
Project and stationary source risks and hazards are for diesel exhaust, which does not have an established Acute Reference Exposure Level.			
Source: Appendix A			

Summary

The proposed project would not expose sensitive receptors to substantial pollutant concentrations during project construction or project operation and impacts would be less than significant.

6.5 - Odors

AIR-4: The proposed project would not result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

According to the Bay Area Air District 2022 CEQA Guidelines, odor impacts could occur if the proposed project introduces a new odor source near existing receptors. The Bay Area Air District provides a list of recommended odor screening distances for specific odor-generating facilities. According to Bay Area Air District, warehouse uses such as the proposed project are not odor-generating facilities.[36]

Construction

Potential sources that may emit odors during construction activities include exhaust from diesel construction equipment. However, because of the temporary nature of these emissions, the intermittent duration of construction activities, and the highly diffusive properties of DPM exhaust, substantial numbers of nearby receptors would not be adversely affected by diesel exhaust odors associated with project construction. Odors from these sources would be localized and generally confined to the immediate area surrounding the project site. The proposed project would utilize typical construction techniques, and the odors would be typical of most construction sites and temporary in nature. Thus, the proposed project would not result in a new odor source adversely affecting a substantial number of nearby existing receptors.

[36] Bay Area Air Quality Management District (Bay Area Air District). 2022. Bay Area Air District CEQA Guidelines, Chapter 5 Project-level Air Quality Impacts, Table 5-4, Odor Screening Distances. April 20.

Operation

The proposed project would result in the operation of light industrial and ancillary office uses and related improvements. As previously stated, the permitted uses (such as warehouse and distribution, advanced manufacturing, etc.) are not identified by Bay Area Air District as sources of objectionable odors (e.g., wastewater treatment plant). Minor sources of odors, such as exhaust from mobile sources, are not typically associated with substantial odor complaints, and in any event such potential odors would be temporary and insignificant. Therefore, the proposed project would have less than significant odor impacts during operation.

Summary

The proposed project would not result in other emissions (such as those leading to odors) adversely affecting a substantial number of people, and impacts would be less than significant.

7 - GREENHOUSE GAS EMISSIONS ANALYSIS

The following criteria are established in the CEQA Guidelines Appendix G to determine whether a project could potentially have a significant adverse effect on GHGs. A project would have a significant impact on GHGs if it would:

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

7.1 - Thresholds of Significance

The CEQA Guidelines define a significant effect on the environment as “a substantial, or potentially substantial, adverse change in the environment.” To determine whether a proposed project would have a significant impact with respect to GHG emissions, the type, level, and impact of emissions generated by the proposed project must be evaluated and then compared to the applicable thresholds.

As set forth in CEQA, where available, significance criteria established by the applicable air quality management or air pollution control district (in this case, Bay Area Air District) may be relied upon as a methodology to reach significance determinations. The City, as Lead Agency, in its discretion, has determined to rely on the Bay Area Air District’s subject matter expertise on GHG emissions and thus utilize the Bay Area Air District significance thresholds for purposes of this analysis to determine whether the proposed project would have a significant impact under the Appendix G thresholds listed above.

The Bay Area Air District’s 2022 CEQA Air Quality Guidelines are shown in Table 14 and provide recommended significance thresholds for GHGs for land use development projects and plans. The current thresholds state that if a project would contribute its “fair share” of what will be required to achieve California’s long-term climate goal of carbon neutrality by 2045, then a reviewing agency can find that the impact will not be significant because the project will help to solve the problem of global climate change. The thresholds for new land use projects require projects to meet either of one of two enumerated Criterion “A” or “B” are shown below. If a land use development project cannot demonstrate consistency with Criterion A or Criterion B, then that project would result in a potentially significant impact related to the generation of direct and indirect GHG emissions.

Table 14: Bay Area Air District Air Quality Thresholds of Significance (Project Level)

Bay Area Air District Thresholds for Land Use Projects (Must Include A or B)
A. Projects must include, at a minimum, the following project design elements: 1. Buildings a. The project will not include natural gas appliances or natural gas plumbing (in both residential and nonresidential development). b. The project will not result in any wasteful, inefficient, or unnecessary energy usage as determined by the analysis required under CEQA Section 21100(b)(3) and Section 15126.2(b) of the State CEQA Guidelines. 2. Transportation a. Achieve a reduction in project-generated Vehicle Miles Traveled (VMT) below the regional average consistent with the current version of the California Climate Change Scoping Plan (currently 15 percent) or meet a locally adopted Senate Bill 743 VMT target, reflecting the recommendations provided in the Governor's Office of Planning and Research's Technical Advisory on Evaluating Transportation Impacts in CEQA: i. Residential projects: 15 percent below the existing VMT per capita ii. Office projects: 15 percent below the existing VMT per employee iii. Retail projects: no net increase in existing VMT b. Achieve compliance with off-street electric vehicle (EV) requirements in the most recently adopted version of CALGreen Tier 2. **B. Projects must be consistent with a local GHG reduction strategy that meets the criteria under State CEQA Guidelines Section 15183.5(b).**
Source: Bay Area Air Quality Management District (Bay Area Air District). 2022. CEQA Guidelines. April 20.

This analysis utilizes Criterion B for purposes of the impact analysis, and thus evaluates the proposed project's consistency with the 2030 San José GHGRS, which is identified as the local GHG reduction strategy that meets the criteria under CEQA Guidelines Section 15183.5(b) to constitute a qualifying plan. Project consistency with the applicable provisions of the 2030 GHGRS is addressed by evaluating consistency with measures presented in the Compliance Checklist in Appendix A of this document. As such, the applicable threshold of significance for the proposed project's construction and operational GHG emissions is consistency with the 2030 San José GHGRS under Criterion B.

7.2 - Direct or Indirect Emissions of Greenhouse Gases

GHG-1:	**The proposed project would not generate direct and indirect greenhouse gas emissions; however, these emissions would not result in a cumulatively considerable contribution to a significant impact on the environment.**

CEQA Guidelines Section 15064.4(a) requires a good faith effort to describe, calculate, or estimate emissions using scientific and factual data. Quantification provides substantial evidence to support

the lead agency's determination of significance and ensures transparency, even when the threshold to support the analysis and significance finding relies on consistency with plans or policies rather than numeric limits. Therefore, the construction- and operational-related GHG emissions are disclosed for informational purposes, and project impact is discussed below.

Project Emissions (for Informational Purposes)

Construction

The proposed project's construction emissions were calculated as described in Section 5, Methodology, and are presented in Table 15. The emissions are quantified and disclosed below for informational purposes only, and project impact is discussed below.

Table 15: Proposed Project Construction GHG Emissions–Informational Purposes

Construction Activity	Total GHG Emissions (MT CO_2e per year)
Construction (2026)	678
Construction (2027)	718
Construction (2028)	57
Total Construction Emissions	**1,453**
Emissions Amortized Over 30 Years[1]	**48**

Notes:
GHG = greenhouse gas
MT CO_2e = metric tons carbon dioxide equivalent
Totals may not appear to sum exactly due to rounding.
[1] Construction GHG emissions are amortized over the 30-year lifetime of the proposed project.
Source: Appendix A.

Operation

The proposed project's operational emissions at full project buildout were calculated as described in Section 5, Methodology, and are presented in Table 16. The emissions are quantified and disclosed below for informational purposes only, and project impact is discussed below.

Table 16: Operational Annual Greenhouse Gas Emissions–Informational Purposes

GHG Emissions Source	GHG Emissions (MT CO_2e per year)
Area	6.4
Energy	8.7
Mobile	6,065
Waste	128

GHG Emissions Source	GHG Emissions (MT CO_2e per year)
Water	133
Stationary (Fire Pumps)	17
Subtotal Operational	**6,358**
Amortized Construction Emissions	48
Total Annual Project Emissions	**6,406**

Notes:
MT CO_2e = metric tons carbon dioxide equivalent
Totals were summed using unrounded numbers and may not appear to sum exactly due to rounding.
Source: Appendix A.

Project Impact

Construction

The City's 2030 GHGRS is a local GHG reduction strategy that meets the criteria under CEQA Guidelines Section 15183.5(b) and therefore consistency therewith is considered for purposes of this analysis in accordance with the Bay Area Air District's recommended significance criteria (Criterion B) for the determination of impacts.

The 2030 GHGRS outlines the actions the City will undertake to achieve its proportional share of State GHG emission reductions for the interim target year 2030. In addition, the City's GHGRS contains a Compliance Checklist (Appendix A) with actions for individual development projects to be taken for purposes of confirming consistency. Individual projects are tasked with reviewing the GHG Reduction Strategy Compliance Checklist to assess the project. The GHGRS includes two checklists: (1) General Plan Policy Compliance, and (2) Greenhouse Gas Reduction Strategies. Proposed development projects that are consistent with the GHGRS as determined through the use of the Compliance Checklist may rely on the 2030 GHGRS for the cumulative impacts analysis of GHG emissions. As shown in the GHG Compliance Checklist in Appendix A, the proposed project is consistent with the City's 2030 GHGRS.

Key measures that the proposed project has committed to (and which would be enforceable via implementation of the SPCs noted below) include enrollment in SJCE, which offers a TotalGreen service option of procuring 100 percent renewable power; an all-electric design; and ample landscaping including new tree and shrub plantings around the perimeter and throughout the project site.

Therefore, the proposed project would have a less than significant GHG emissions impact.

7.3 - Conflict with Applicable Plan, Policy, or Regulation for Reducing GHGs

GHG-2:	**The proposed project would not conflict with any applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases.**

The consistency of the proposed project with respect to ARB's 2022 Scoping Plan, the City's 2030 GHGRS, and Climate Smart San José are discussed below.

2022 Scoping Plan

As described above, ARB's 2022 Scoping Plan is a document that sets forth the path for how the State will achieve carbon neutrality by 2045 and reduce anthropogenic emissions to 85 percent below 1990 levels by 2045. The Bay Area Air District's qualitative thresholds were designed with a focus on helping to ensure future projects consider the incorporation of their respective "fair share" of project design to help achieve the State's carbon neutrality goal. A project that can meet the energy and transportation design elements outlined in the Bay Area Air District thresholds (Criterion A) or is consistent with a qualified GHG reduction strategy (Criterion B) is consistent with the goals outlined in the 2022 Scoping Plan and would not hinder the State from achieving carbon neutrality. The proposed project would be consistent with Criterion B outlined in the Bay Area Air District thresholds by demonstrating consistency with the City's 2030 GHGRS (Appendix A). Therefore, the proposed project would be consistent with the State's goal to achieve carbon neutrality and is consistent with the 2022 Scoping Plan.

2030 Greenhouse Gas Reduction Strategy

The proposed project is subject to the applicable GHG reduction strategies identified in the City's 2030 GHGRS Compliance Checklist. The proposed project is consistent with the City's zoning and land use and would implement and comply with all relevant GHG reduction measures as determined by the City. A complete project comparison is included as Appendix A. In summary, applicable GHG reduction strategies with which the proposed project is consistent include the following:

- **Consistency with the Land Use/Transportation Diagram**: The City's General Plan and zoning designate the project site as Industrial Park (IP). The IP designation is intended to allow a wide variety of industrial uses, such as R&D, manufacturing, assembly, testing, and office. IP-designated areas "may contain a very limited number of supportive and compatible commercial uses, when those uses are of a scale and design providing support only to the needs of businesses and their employees in the immediate industrial area." Therefore, the proposed project is consistent with the City's General Plan and Zoning Ordinance.
- **Implementation of Green Building Measures**: The proposed buildings roofs would be designed to be solar ready and could accommodate photovoltaic systems. This satisfies the applicable 2025 California Building Standards Code (CBC) and CALGreen requirements for nonresidential solar readiness in new construction (Section 120.11 of Title 24, Part 6). The

buildings would include skylights for passive lighting and reduced energy load. The proposed project design complies with and incorporates green building practices, including those required by the Green Building Ordinance. For example, the proposed project design includes a high-performance envelope, energy-efficient mechanical systems, and low-impact site layout.

- **Pedestrian, Bicycle, and Transit Site Design Measures**: The proposed project would include bicycle lanes along the project frontage on Junction Avenue and Zanker Road which would also connect to the existing bicycle lanes on East Plumeria Drive. Additionally, the proposed project would reconstruct portions of the sidewalk on the project site frontage along Zanker Road.
- **Renewable Energy Development**: The proposed project facility would be solar ready and prepped for future photovoltaic arrays. In addition, the proposed project would be all-electric.
- **Building Retrofits–Natural Gas**: As stated, the proposed project would be constructed as all-electric.
- **Zero Waste Goal**: The proposed project would be required to divert at least 65 percent of waste generated during construction and demolition activities in compliance with SB 1374 and California Green Building Standards Code (CALGreen) Sections 4.408, 5.408, 301.1.1, and 301.3. Therefore, the proposed project would be consistent with this checklist item.
- **Caltrain Modernization**: The proposed project is located in North San José, outside the immediate vicinity of Caltrain stations or planned Caltrain electrification infrastructure. It is not a transit-oriented development and would not directly connect to Caltrain services. However, the proposed project would support broader VMT reduction goals through bicycle infrastructure, EV readiness, and pedestrian access, even though it would not contribute directly to Caltrain Modernization efforts. In addition, the project site has numerous transit stops in close vicinity, including at Orchard and North First Street, at North First Street and Montague Expressway, and at East Plumeria Drive and Seely Avenue, which also provide regional transit connections to Caltrain and other modes.
- **Water Conservation**: The proposed project would be required to comply with the applicable provisions of the City's Landscape Ordinance, with water efficient landscaping including low-water-use tree and shrub plantings along the perimeter and interior of the project site in accordance with applicable standards. Trees selected would be drought-tolerant and placement would provide shade and related benefit to the project site and nearby area.

Accordingly, the proposed project would be consistent with the applicable measures outlined in the GHGRS. Therefore, the proposed project would be consistent with the GHGRS.

Climate Smart San José

Climate Smart San José, adopted by the City, is a community-wide initiative intended to create a more sustainable, connected, and economically inclusive City. Climate Smart San José is aligned with General Plan growth patterns and General Plan policies which prioritize automobile-alternative transportation modes, encourage denser development, and ensure energy-efficient features are

included in new buildings. As discussed above, the proposed project would be required to be designed and constructed in compliance with the City of San José Council Policy 6-32, the City's Reach Code, and the City's Green Building Ordinance. In addition, Action MS-2.11 of the General Plan requires new development (such as the proposed project) to incorporate energy conservation and efficiency through site design, architectural design, and construction techniques. As explained above and further detailed in the Project Description and Appendix A, the proposed project is consistent with Action MS-2.11.

The proposed project would also be required to comply with the SPCs on GHG, which requires enrollment in either the SJCE GreenSource program (approximately 95 percent carbon-free power) or TotalGreen program (approximately 100 percent carbon-free power). Enrollment into this SJCE program would further reduce reliance on fossil fuel and increase use of renewable energy sources. Furthermore, the proposed project would be solar ready, would be constructed as all-electric, and would incorporate an approved TDM strategy to reduce employee VMT and therefore reduce reliance on fossil fuels, consistent with the 2030 GHGRS checklist requirements.

For these reasons, the proposed project is consistent with the City's CAP goals as set forth in Climate Smart San José.

Summary

The proposed project would be consistent with the State's climate planning and reduction measures identified in the ARB's 2022 Scoping Plan, City 2030 GHGRS, and Climate Smart San José initiative, and therefore would not conflict with any applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases. Impacts would be less than significant.

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8 - ENERGY ANALYSIS

The following criteria is established in CEQA Guidelines Appendix G, to determine whether a project could potentially have a significant adverse effect on GHGs. A project would have a significant impact on GHGs if it would:

1) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation; or
2) Conflict with or obstruct a State or local plan for renewable energy or energy efficiency.

8.1 - Wasteful, Inefficient or Unnecessary Energy Use

ENER-1:	**The proposed project would not result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during construction or operation.**

A discussion of the proposed project's anticipated energy usage is presented below. Energy use consumed by the proposed project was estimated for project construction and operation. Energy calculations are included as part of Appendix A.

Construction

The proposed project's construction was assumed to begin in July 2026 and last for approximately 18 months. If the construction schedule moves to later years, or takes longer than anticipated, the construction energy usage would likely decrease because of improvements in technology and more stringent regulatory requirements as older, less efficient equipment is replaced by newer and cleaner equipment. The construction phase would require energy for the manufacture and transportation of building materials, preparation of the site (e.g., site clearing and grading), and the subsequent building construction phases. Petroleum-based fuels, such as diesel fuel and gasoline, would be the primary sources of energy for these tasks.

The types of equipment used during the construction of the proposed project would include gasoline- and diesel-powered construction and transportation equipment, including trucks, excavators, forklifts, and pavers. Construction equipment is estimated to consume a total of 60,015 gallons of diesel fuel over the entire construction duration (Appendix A).

Fuel use associated with construction vehicle trips generated by the proposed project was also estimated; trips include construction worker trips, haul truck trips for material transport, on-site trucks, and vendor trips for construction material deliveries. Fuel use from these vehicles traveling to the project site was based on (1) the projected number of trips the proposed project would generate during construction, (2) average trip distances by trip type, and (3) fuel efficiencies estimated in the ARB EMFAC mobile source emission model. The specific parameters used to estimate fuel usage are

included in Appendix A. In total, the proposed project is estimated to generate 1,155,397 VMT and 88,549 gallons of combined gasoline and diesel for worker and vendor vehicle travel over all of the construction phases combined.

The overall construction schedule and process is designed to be efficient to avoid excess monetary costs. For example, equipment and fuel are not typically used wastefully due to the added expense associated with renting the equipment, maintaining it, and fueling it. Therefore, the opportunities for future efficiency gains during construction are limited. Compliance with regulations such as the In-use Off-road ATCM minimizes emissions by using a modern fleet, keeping equipment well-tuned and limiting idling time. In addition, SPC AQ-1 would require that idling times do not exceed 2 minutes. Thus, it is anticipated that the construction phase of the proposed project would not result in wasteful, inefficient, and unnecessary consumption of energy.

Operation

The proposed project would consume energy as part of building operations and transportation activities. Project energy consumption at full project buildout is summarized in Table 17.

Table 17: Operational Energy Consumption

Energy Consumption Activity	Annual Consumption
Operation Vehicle Fuel Consumption	159,453 gallons of gasoline
	436,000 gallons of diesel
	22,663 gallons of compressed natural gas (CNG)
	300,476 kWh of electricity
Building Energy Consumption (Including the warehouse and office space)	5,334,777 kWh of electricity
	0 kBTU of natural gas
Notes: kWh = kilowatt hour, kBTU = kilo-British Thermal Unit Source: Appendix A.	

Considering the guidance provided by Appendix F of the CEQA Guidelines, a project would be considered to result in wasteful, inefficient, or unnecessary consumption of energy resources if it would conflict with the following energy conservation goals:

- Decreasing overall per capita energy consumption;
- Decreasing reliance on fossil fuels such as coal, natural gas, or oil; and
- Increasing reliance on renewable energy sources.

Decreasing Overall Per Capita Energy Consumption

The proposed project's buildings would be designed and constructed in accordance with applicable CALGreen energy efficiency standards of Title 24. Title 24 standards include a broad set of energy conservation requirements that apply to the structural, mechanical, electrical, and plumbing systems in a building. For example, the Title 24 Lighting Power Density requirements define the maximum wattage of lighting that can be used in a building based on its square footage. Title 24 standards, widely regarded as the most advanced and stringent energy efficiency standards, would help to reduce the amount of energy required for lighting, water heating, and heating and air conditioning in buildings and would promote energy conservation. In addition, the proposed project would be replacing older, less efficient existing buildings with new, state-of-the-art construction. Therefore, the proposed project would be consistent with this criterion. The decreasing reliance on fossil fuels and increasing use of renewable energy discussed below would also reduce per capita energy consumption for the proposed project.

Decreasing Reliance on Fossil Fuels

The proposed project would incorporate all applicable requirements pursuant to the CALGreen Code, which would include, among others, water efficient landscaping, heat-reflecting roof membranes, and roofing structures to support the installation of solar panels. In addition, the proposed project would include skylights to allow for natural light and reduced lighting use. These project design features would reduce the amount of electricity used by the proposed project during operation and, consequently, the amount of fossil fuels needed to generate power to meet this demand. For example, low water demand landscaping would reduce the amount of water that would need to be conveyed to the project site. In addition, the proposed project would have less than significant VMT impacts due to a net reduction in vehicle trips as compared to existing conditions, thereby reducing fossil fuel use associated with vehicles. Furthermore, the proposed project's building would be all-electric in design and would not rely on natural gas and thus would have decreasing reliance on fossil fuel.

Increasing Reliance on Renewable Energy Sources

As previously discussed, the proposed project would include the installation of EV charging infrastructure in accordance with applicable provisions of the City's Reach Code, which would accelerate to a certain degree the ability of the region as a whole (as well as and the vehicles involved with the proposed project to the extent EV vehicles are available and otherwise utilized) to transition away from fuel-based energy sources and to be substituted with renewable energy sources over time. As such, the proposed project would facilitate a greater reliance on renewable energy sources for building and transportation energy demands. Therefore, the proposed project would be consistent with this criterion

Summary

As discussed above, the proposed project's energy consumption would not result in the wasteful, inefficient, or unnecessary consumption of energy resources, consistent with the guidance derived from Appendix F of the CEQA Guidelines, and impacts would be less than significant.

8.2 - Consistency with Relevant Energy Plans

ENER-2: The proposed project would not conflict with or obstruct a State or local plan for renewable energy or energy efficiency.

Construction practices would be required to comply with all local and State regulatory requirements related to equipment age, operation, and design. Adherence with applicable Bay Area Air District Basic Construction Mitigation Measures would ensure that idling time of trucks is limited to 5 minutes. Construction equipment would be maintained and tuned according to manufacturer specifications, which would promote fuel efficiency. Compliance with the ARB Regulation for In-use Off-road Diesel-fueled Fleets (Off-road Diesel Regulation) would address unnecessary idling for off-road construction equipment, preventing the unnecessary or wasteful use of energy.

Operational design elements of the proposed project, which reflect consistency with applicable provisions of relevant GHG emission reductions plans, would have the co-benefits of energy efficiency and reductions in fossil fuel consumption. The proposed project's buildings are designed to be all-electric, eliminating natural gas usage. The buildings would be required to comply with all applicable provisions of Title 24, Part 6, Subchapter 8 of the CBC and would be rooftop solar ready.

In addition, all proposed indoor and outdoor lighting, including parking lot lighting, would be modern energy-efficient lighting, as required under the CBC. The proposed project would also incorporate EV-ready parking spaces pursuant to the City's Reach Code. The proposed project would utilize electricity from SJCE and would be compliant with all State and local regulations for renewable energy and energy efficiency. The project design will result in a decreasing reliance on fossil fuels and increasing reliance on renewable energy sources, and energy impacts from operation of the proposed project would be less than significant.

Summary

As discussed above, the proposed project's energy consumption would not result in the wasteful, inefficient, or unnecessary consumption of energy resources, consistent with the guidance derived from Appendix F of the CEQA Guidelines, and impacts would be less than significant.

Appendix A:

Air Quality, Greenhouse Gas Emissions, and Energy Supporting Information

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Appendix A - Air Quality, Greenhouse Gas, and Energy Supporting Information

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Montague Point Industrial Project - Construction
Construction Start Date	7/13/2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.0
Precipitation (days)	31
Location	3050 Zanker Rd, San Jose, CA 95134, USA
County	Santa Clara
City	San Jose
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1809
EDFZ	1
Electric Utility	San Jose Clean Energy
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.35

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Refrigerated Warehouse-No Rail	428	1000sqft	24	427,601	0.00	—	—	Project Site - Construction Only

User Defined Linear	0.47	Mile	1.00	0.00	0.00	—	—	Off-Site Frontage Improvements

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	47	46	50	39	0.19	1.4	25	26	1.3	4.5	5.6	—	26,979	26,979	2.0	3.8	49	28,210
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	48	47	34	39	0.08	1.4	4.1	5.5	1.3	1.5	2.8	—	8,495	8,495	0.37	0.49	0.30	8,527
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	12	11	10	15	0.03	0.32	2.9	3.2	0.30	0.69	0.99	—	4,250	4,250	0.24	0.37	2.9	4,335
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.1	2.1	1.8	2.8	0.01	0.06	0.53	0.59	0.05	0.13	0.18	—	704	704	0.04	0.06	0.48	718

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	5.2	4.0	50	39	0.19	1.4	25	26	1.3	4.5	5.6	—	26,979	26,979	2.0	3.8	49	28,210
2027	47	46	13	23	0.04	0.38	2.3	2.7	0.35	0.55	0.91	—	6,130	6,130	0.24	0.36	10.0	6,253
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	4.8	4.0	34	39	0.08	1.4	4.1	5.5	1.3	1.5	2.8	—	8,495	8,495	0.34	0.43	0.29	8,527
2027	48	47	21	33	0.06	0.69	2.6	3.3	0.64	0.63	1.3	—	8,340	8,340	0.37	0.49	0.30	8,497
2028	48	47	20	32	0.06	0.61	2.6	3.2	0.55	0.63	1.2	—	8,248	8,248	0.35	0.48	0.27	8,400
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.3	0.93	10	10	0.03	0.32	2.9	3.2	0.30	0.69	0.99	—	3,976	3,976	0.24	0.37	2.4	4,095
2027	12	11	9.4	15	0.03	0.28	1.5	1.8	0.26	0.36	0.62	—	4,250	4,250	0.17	0.26	2.9	4,335
2028	2.0	1.9	0.82	1.3	< 0.005	0.02	0.10	0.13	0.02	0.03	0.05	—	340	340	0.01	0.02	0.19	346
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.23	0.17	1.8	1.9	0.01	0.06	0.53	0.59	0.05	0.13	0.18	—	658	658	0.04	0.06	0.39	678
2027	2.1	2.1	1.7	2.8	0.01	0.05	0.27	0.32	0.05	0.07	0.11	—	704	704	0.03	0.04	0.48	718
2028	0.36	0.35	0.15	0.24	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	56	56	< 0.005	< 0.005	0.03	57

3. Construction Emissions Details

3.1. Linear, Grading & Excavation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	1.0	0.86	6.8	11	0.02	0.32	—	0.32	0.29	—	0.29	—	1,643	1,643	0.07	0.01	—	1,649
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.0	0.86	6.8	11	0.02	0.32	—	0.32	0.29	—	0.29	—	1,643	1,643	0.07	0.01	—	1,649
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.46	0.73	< 0.005	0.02	—	0.02	0.02	—	0.02	—	113	113	< 0.005	< 0.005	—	113
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	19	19	< 0.005	< 0.005	—	19

Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.48	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	105	105	< 0.005	< 0.005	0.38	107
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.41	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	97	97	< 0.005	< 0.005	0.01	99
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.7	6.7	< 0.005	< 0.005	0.01	6.8
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.1	1.1	< 0.005	< 0.005	< 0.005	1.1
Vendor	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	0.00
Hauling	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	0.00

3.3. Linear, Drainage, Utilities, & Sub-Grade (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.65	0.55	5.1	7.9	0.01	0.22	—	0.22	0.20	—	0.20	—	1,251	1,251	0.05	0.01	—	1,255
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.25	0.39	< 0.005	0.01	—	0.01	0.01	—	0.01	—	62	62	< 0.005	< 0.005	—	62
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10	10	< 0.005	< 0.005	—	10

Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.33	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	78	78	< 0.005	< 0.005	0.01	79
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.9	3.9	< 0.005	< 0.005	0.01	3.9
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.64	0.64	< 0.005	< 0.005	< 0.005	0.65
Vendor	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	0.00
Hauling	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	0.00

3.5. Linear, Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	0.44	4.0	5.3	0.01	0.18	—	0.18	0.16	—	0.16	—	812	812	0.03	0.01	—	814
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16	16	< 0.005	< 0.005	—	16
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.6	2.6	< 0.005	< 0.005	—	2.6
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.33	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	78	78	< 0.005	< 0.005	0.01	79
Vendor	0.05	0.01	0.65	0.34	< 0.005	0.01	0.11	0.11	0.01	0.03	0.04	—	426	426	0.04	0.07	0.02	448

Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.5	1.5	< 0.005	< 0.005	< 0.005	1.5
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.2	8.2	< 0.005	< 0.005	0.01	8.6
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.25	0.25	< 0.005	< 0.005	< 0.005	0.25
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.4	1.4	< 0.005	< 0.005	< 0.005	1.4
Hauling	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	0.00

3.7. Demolition (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.7	2.3	21	19	0.03	0.84	—	0.84	0.78	—	0.78	—	3,427	3,427	0.14	0.03	—	3,438
Demolition	—	—	—	—	—	—	18	18	—	2.8	2.8	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.22	0.19	1.7	1.6	< 0.005	0.07	—	0.07	0.06	—	0.06	—	282	282	0.01	< 0.005	—	283
Demolition	—	—	—	—	—	—	1.5	1.5	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.31	0.29	< 0.005	0.01	—	0.01	0.01	—	0.01	—	47	47	< 0.005	< 0.005	—	47
Demolition	—	—	—	—	—	—	0.28	0.28	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.57	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	126	126	< 0.005	< 0.005	0.46	128
Vendor	0.05	0.01	0.53	0.29	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	—	365	365	0.03	0.06	0.74	384
Hauling	2.3	0.50	28	14	0.15	0.29	6.1	6.4	0.29	1.7	2.0	—	23,061	23,061	1.8	3.7	48	24,260
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.7	9.7	< 0.005	< 0.005	0.02	9.8
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	30	30	< 0.005	< 0.005	0.03	32
Hauling	0.19	0.04	2.4	1.2	0.01	0.02	0.49	0.52	0.02	0.14	0.16	—	1,896	1,896	0.15	0.30	1.7	1,992
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.6	1.6	< 0.005	< 0.005	< 0.005	1.6
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.0	5.0	< 0.005	< 0.005	< 0.005	5.2

Hauling	0.03	0.01	0.44	0.21	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	314	314	0.02	0.05	0.28	330

3.9. Site Preparation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.7	3.1	29	29	0.05	1.2	—	1.2	1.1	—	1.1	—	5,298	5,298	0.21	0.04	—	5,316
Dust From Material Movement	—	—	—	—	—	—	7.7	7.7	—	3.9	3.9	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.09	0.80	0.79	< 0.005	0.03	—	0.03	0.03	—	0.03	—	145	145	0.01	< 0.005	—	146
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.02	0.02	0.15	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24	24	< 0.005	< 0.005	—	24
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.67	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	147	147	< 0.005	0.01	0.54	149
Vendor	0.03	0.01	0.39	0.19	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.03	—	318	318	0.02	0.05	0.78	333
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.8	3.8	< 0.005	< 0.005	0.01	3.8
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.7	8.7	< 0.005	< 0.005	0.01	9.1
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.63	0.63	< 0.005	< 0.005	< 0.005	0.63
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.4	1.4	< 0.005	< 0.005	< 0.005	1.5
Hauling	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	0.00

3.11. Grading (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.6	3.0	27	28	0.06	1.1	—	1.1	1.0	—	1.0	—	6,599	6,599	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	3.6	3.6	—	1.4	1.4	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.6	3.0	27	28	0.06	1.1	—	1.1	1.0	—	1.0	—	6,599	6,599	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	3.6	3.6	—	1.4	1.4	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.29	2.6	2.6	0.01	0.11	—	0.11	0.10	—	0.10	—	633	633	0.03	0.01	—	635
Dust From Material Movement	—	—	—	—	—	—	0.34	0.34	—	0.14	0.14	—	—	—	—	—	—	—
Onsite truck	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	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.48	0.48	< 0.005	0.02	—	0.02	0.02	—	0.02	—	105	105	< 0.005	< 0.005	—	105
Dust From Material Movement	—	—	—	—	—	—	0.06	0.06	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.76	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	168	168	< 0.005	0.01	0.61	171
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.06	0.65	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	156	156	< 0.005	0.01	0.02	158
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15	15	< 0.005	< 0.005	0.03	15
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.5	2.5	< 0.005	< 0.005	< 0.005	2.5
Vendor	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	0.00
Hauling	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	0.00

3.13. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.3	1.1	9.9	13	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.3	1.7	< 0.005	0.05	—	0.05	0.05	—	0.05	—	314	314	0.01	< 0.005	—	315
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.24	0.31	< 0.005	0.01	—	0.01	0.01	—	0.01	—	52	52	< 0.005	< 0.005	—	52
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.56	0.50	0.50	5.8	0.00	0.00	1.5	1.5	0.00	0.35	0.35	—	1,399	1,399	0.04	0.06	0.14	1,418
Vendor	0.17	0.05	2.4	1.1	0.01	0.03	0.49	0.52	0.03	0.14	0.16	—	1,859	1,859	0.10	0.27	0.12	1,943
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	0.76	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	185	185	< 0.005	0.01	0.31	188
Vendor	0.02	0.01	0.31	0.15	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	244	244	0.01	0.04	0.26	255
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.14	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	31	31	< 0.005	< 0.005	0.05	31
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	40	40	< 0.005	0.01	0.04	42
Hauling	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	0.00

3.15. Building Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.2	1.0	9.4	13	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	1.2	1.0	9.4	13	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.88	0.74	6.7	9.2	0.02	0.24	—	0.24	0.22	—	0.22	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.16	0.13	1.2	1.7	< 0.005	0.04	—	0.04	0.04	—	0.04	—	283	283	0.01	< 0.005	—	284
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.56	0.50	0.38	6.4	0.00	0.00	1.5	1.5	0.00	0.35	0.35	—	1,482	1,482	0.02	0.06	5.0	1,505
Vendor	0.16	0.06	2.2	1.1	0.01	0.03	0.49	0.52	0.03	0.14	0.16	—	1,820	1,820	0.10	0.27	4.0	1,907
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.54	0.48	0.44	5.5	0.00	0.00	1.5	1.5	0.00	0.35	0.35	—	1,373	1,373	0.03	0.06	0.13	1,392
Vendor	0.16	0.05	2.3	1.1	0.01	0.03	0.49	0.52	0.03	0.14	0.16	—	1,821	1,821	0.10	0.27	0.10	1,905
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.38	0.34	0.31	3.9	0.00	0.00	1.0	1.0	0.00	0.24	0.24	—	992	992	0.02	0.04	1.5	1,006
Vendor	0.11	0.04	1.6	0.79	0.01	0.02	0.35	0.37	0.02	0.10	0.11	—	1,300	1,300	0.07	0.19	1.2	1,361
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	0.70	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	164	164	< 0.005	0.01	0.25	167
Vendor	0.02	0.01	0.30	0.14	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	215	215	0.01	0.03	0.20	225
Hauling	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	0.00

3.17. Building Construction (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.2	0.99	8.9	13	0.02	0.30	—	0.30	0.28	—	0.28	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.37	0.53	< 0.005	0.01	—	0.01	0.01	—	0.01	—	99	99	< 0.005	< 0.005	—	99
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.01	0.01	0.07	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16	16	< 0.005	< 0.005	—	16
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.52	0.46	0.44	5.1	0.00	0.00	1.5	1.5	0.00	0.35	0.35	—	1,350	1,350	0.03	0.06	0.12	1,368
Vendor	0.14	0.05	2.2	1.1	0.01	0.03	0.49	0.52	0.01	0.14	0.15	—	1,777	1,777	0.09	0.26	0.09	1,856
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.21	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	56	56	< 0.005	< 0.005	0.08	57
Vendor	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	73	73	< 0.005	0.01	0.06	76
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.3	9.3	< 0.005	< 0.005	0.01	9.4
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12	12	< 0.005	< 0.005	0.01	13
Hauling	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	0.00

3.19. Paving (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.88	0.74	6.9	10.0	0.01	0.30	—	0.30	0.27	—	0.27	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.45	0.64	< 0.005	0.02	—	0.02	0.02	—	0.02	—	98	98	< 0.005	< 0.005	—	98
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16	16	< 0.005	< 0.005	—	16
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.04	0.46	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	115	115	< 0.005	< 0.005	0.01	116

Vendor	0.08	0.02	1.1	0.57	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	—	714	714	0.07	0.11	0.04	750
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.5	7.5	< 0.005	< 0.005	0.01	7.6
Vendor	0.01	< 0.005	0.07	0.04	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	46	46	< 0.005	0.01	0.04	48
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.2	1.2	< 0.005	< 0.005	< 0.005	1.3
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.6	7.6	< 0.005	< 0.005	0.01	8.0
Hauling	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	0.00

3.21. Paving (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.82	0.69	6.6	9.9	0.01	0.26	—	0.26	0.24	—	0.24	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.03	0.03	0.27	0.41	< 0.005	0.01	—	0.01	0.01	—	0.01	—	62	62	< 0.005	< 0.005	—	62
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10	10	< 0.005	< 0.005	—	10
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.43	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	113	113	< 0.005	< 0.005	0.01	114
Vendor	0.08	0.02	1.1	0.56	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	—	696	696	0.06	0.11	0.03	732
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.7	4.7	< 0.005	< 0.005	0.01	4.8
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	29	29	< 0.005	< 0.005	0.02	30
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.78	0.78	< 0.005	< 0.005	< 0.005	0.79
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.7	4.7	< 0.005	< 0.005	< 0.005	5.0
Hauling	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	0.00

3.23. Architectural Coating (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	0.83	1.1	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	45	45	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	0.83	1.1	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	45	45	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.19	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31	31	< 0.005	< 0.005	—	31

Architect Coatings	10	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.03	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.1	5.1	< 0.005	< 0.005	—	5.1
Architectural Coatings	1.9	1.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.08	1.3	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	296	296	< 0.005	0.01	0.99	301
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.09	1.1	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	275	275	0.01	0.01	0.03	278
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.25	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	64	64	< 0.005	< 0.005	0.10	65
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11	11	< 0.005	< 0.005	0.02	11
Vendor	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	0.00
Hauling	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	0.00

3.25. Architectural Coating (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.81	1.1	< 0.005	0.02	—	0.02	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	45	45	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.03	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.5	5.5	< 0.005	< 0.005	—	5.5
Architectural Coatings	1.8	1.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.91	0.91	< 0.005	< 0.005	—	0.91
Architectural Coatings	0.33	0.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.09	1.0	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	270	270	0.01	0.01	0.02	274
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11	11	< 0.005	< 0.005	0.02	11
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.9	1.9	< 0.005	< 0.005	< 0.005	1.9
Vendor	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	0.00
Hauling	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	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Linear, Grading & Excavation	Linear, Grading & Excavation	9/7/2026	10/9/2026	5.0	25	Sidewalks, Driveways and Intersection Improvements
Linear, Drainage, Utilities, & Sub-Grade	Linear, Drainage, Utilities, & Sub-Grade	10/10/2026	11/4/2026	5.0	18	Sidewalks, Driveways and Intersection Improvements
Linear, Paving	Linear, Paving	11/5/2026	11/13/2026	5.0	7.0	Sidewalks, Driveways and Intersection Improvements
Demolition	Demolition	7/13/2026	8/21/2026	5.0	30	Demolition of Existing 422,635 SF of office and associated parking
Site Preparation	Site Preparation	8/24/2026	9/4/2026	5.0	10.0	—
Grading	Grading	9/7/2026	10/23/2026	5.0	35	—
Building Construction	Building Construction	10/26/2026	1/21/2028	5.0	325	—
Paving	Paving	11/29/2027	1/21/2028	5.0	40	—
Architectural Coating	Architectural Coating	9/6/2027	1/21/2028	5.0	100	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Linear, Grading & Excavation	Excavators	Diesel	Average	1.00	8.0	36	0.38
Linear, Grading & Excavation	Graders	Diesel	Average	1.00	8.0	148	0.41
Linear, Grading & Excavation	Rollers	Diesel	Average	1.00	8.0	36	0.38
Linear, Grading & Excavation	Rubber Tired Loaders	Diesel	Average	1.00	8.0	150	0.36
Linear, Grading & Excavation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.0	84	0.37
Linear, Drainage, Utilities, & Sub-Grade	Graders	Diesel	Average	1.00	8.0	148	0.41
Linear, Drainage, Utilities, & Sub-Grade	Plate Compactors	Diesel	Average	1.00	8.0	8.0	0.43
Linear, Drainage, Utilities, & Sub-Grade	Rough Terrain Forklifts	Diesel	Average	1.00	8.0	96	0.40
Linear, Drainage, Utilities, & Sub-Grade	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.0	84	0.37
Linear, Paving	Pavers	Diesel	Average	1.00	8.0	81	0.42
Linear, Paving	Paving Equipment	Diesel	Average	1.00	8.0	89	0.36
Linear, Paving	Rollers	Diesel	Average	1.00	8.0	36	0.38
Linear, Paving	Cement and Mortar Mixers	Diesel	Average	1.00	8.0	10.0	0.56
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.0	33	0.73
Demolition	Excavators	Diesel	Average	3.0	8.0	36	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.0	8.0	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.0	8.0	367	0.40

Site Preparation	Tractors/Loaders/Back	Diesel	Average	4.0	8.0	84	0.37
Grading	Excavators	Diesel	Average	2.0	8.0	36	0.38
Grading	Graders	Diesel	Average	1.00	8.0	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.0	367	0.40
Grading	Scrapers	Diesel	Average	2.0	8.0	423	0.48
Grading	Tractors/Loaders/Back hoes	Diesel	Average	2.0	8.0	84	0.37
Building Construction	Cranes	Diesel	Average	1.00	7.0	367	0.29
Building Construction	Forklifts	Diesel	Average	3.0	8.0	82	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.0	14	0.74
Building Construction	Tractors/Loaders/Back hoes	Diesel	Average	3.0	7.0	84	0.37
Building Construction	Welders	Diesel	Average	1.00	8.0	46	0.45
Paving	Pavers	Diesel	Average	2.0	8.0	81	0.42
Paving	Paving Equipment	Diesel	Average	2.0	8.0	89	0.36
Paving	Rollers	Diesel	Average	2.0	8.0	36	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.0	37	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Linear, Grading & Excavation	Worker	13	12	LDA,LDT1,LDT2
Linear, Grading & Excavation	Vendor	0.00	8.4	HHDT,MHDT
Linear, Grading & Excavation	Hauling	0.00	20	HHDT
Linear, Grading & Excavation	Onsite truck	—	—	HHDT
Linear, Drainage, Utilities, & Sub-Grade	Worker	10.0	12	LDA,LDT1,LDT2
Linear, Drainage, Utilities, & Sub-Grade	Vendor	0.00	8.4	HHDT,MHDT

Linear, Drainage, Utilities, & Sub-Grade	Hauling	0.00	20	HHDT
Linear, Drainage, Utilities, & Sub-Grade	Onsite truck	—	—	HHDT
Linear, Paving	Worker	10.0	12	LDA,LDT1,LDT2
Linear, Paving	Vendor	14	8.4	HHDT
Linear, Paving	Hauling	0.00	20	HHDT
Linear, Paving	Onsite truck	—	—	HHDT
Demolition	Worker	15	12	LDA,LDT1,LDT2
Demolition	Vendor	12	8.4	HHDT
Demolition	Hauling	329	20	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	Worker	18	12	LDA,LDT1,LDT2
Site Preparation	Vendor	12	8.4	HHDT,MHDT
Site Preparation	Hauling	0.00	20	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	20	12	LDA,LDT1,LDT2
Grading	Vendor	—	8.4	HHDT,MHDT
Grading	Hauling	0.00	20	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	180	12	LDA,LDT1,LDT2
Building Construction	Vendor	70	8.4	HHDT,MHDT
Building Construction	Hauling	0.00	20	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15	12	LDA,LDT1,LDT2
Paving	Vendor	24	8.4	HHDT
Paving	Hauling	0.00	20	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	36	12	LDA,LDT1,LDT2

Architectural Coating	Vendor	—	8.4	HHDT,MHDT
Architectural Coating	Hauling	0.00	20	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	641,402	213,801	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Linear, Grading & Excavation	—	—	1.00	0.00	0.00
Linear, Drainage, Utilities, & Sub-Grade	—	—	1.00	0.00	0.00
Demolition	0.00	0.00	0.00	39,424	0.00
Site Preparation	—	—	15	0.00	0.00
Grading	—	—	105	0.00	0.00
Paving	0.00	0.00	0.00	0.00	10

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction

Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Refrigerated Warehouse-No Rail	9.4	0%
Paving	User Defined Linear	1.00	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	152	0.00	0.00
2027	0.00	152	0.00	0.00
2028	0.00	152	0.00	0.00

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Characteristics: Utility Information	Load Service Entity for San Jose GHG Intensity for Base Plan from 2024 Power Content Label = 152 lb CO2e/MWhr
Land Use	Landscaping not included since this is a construction only run Paved Area of 9.4 Acres inclusive in the 23.75 acres and included in Paved Area for ROG from asphalt off-gassing. User-Defined Linear = Off-Site Improvements (1.0 acre) - Includes driveways, intersection improvement and bike path
Construction: Construction Phases	Schedule Adjusted per Applicant Provided Information. Demolition, Architectural Coating extended from default phase lengths to account for increased activity; daily equipment number and hours conservatively preserved.

Construction: Off-Road Equipment	Eqpt For Off-Site Improvements for Sidewalk, Road Improvements and Driveway
Construction: Trips and VMT	Site Preparation includes Vendor Trips for the Removal of Trees Paving Includes Vendor Trips for Delivery of Asphalt for On-Site and Off-Site Improvements
Construction: Paving	Per Applicant and confirmed via Site /Stormwater Plans Off-Site Linear = Roadway Improvements, Bike Path, Driveway and Sidewalks (conservatively assume all is asphalt paved)
Construction: Electricity	CO2 intensity factor = CO2e Intensity Factor for San Jose Clean Energy based on 2024 Power Content Label

Montague Point Industrial Project - Operationsv2 Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Montague Point Industrial Project - Operationsv2
Operational Year	2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.0
Precipitation (days)	31
Location	3050 Zanker Rd, San Jose, CA 95134, USA
County	Santa Clara
City	San Jose
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1809
EDFZ	1
Electric Utility	Silicon Valley Clean Energy
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.35

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Unrefrigerated Warehouse-No Rail	365	1000sqft	8.4	365,001	230,000	—	—	Warehouse Space (including Mezzanine)

General Office Building	73	1000sqft	1.7	72,600	0.00	—	—	Office Space

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	22	19	37	64	0.35	0.86	16	17	0.84	4.2	5.0	408	37,354	37,762	43	4.9	81	40,362
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	18	16	38	42	0.34	0.83	16	17	0.81	4.2	5.0	408	36,747	37,155	43	4.9	2.3	39,686
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	17	15	30	43	0.33	0.44	16	16	0.42	4.1	4.5	408	35,450	35,857	43	4.9	35	38,412
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.0	2.7	5.5	7.9	0.06	0.08	2.9	3.0	0.08	0.75	0.82	68	5,869	5,937	7.1	0.80	5.8	6,360

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.3	2.6	28	37	0.33	0.39	16	16	0.38	4.2	4.5	—	35,706	35,706	1.6	4.4	81	37,133
Area	14	14	0.16	19	< 0.005	0.03	—	0.03	0.03	—	0.03	—	78	78	< 0.005	< 0.005	—	79
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	53	53	0.00	0.00	—	53
Water	—	—	—	—	—	—	—	—	—	—	—	186	6.4	193	19	0.45	—	806
Waste	—	—	—	—	—	—	—	—	—	—	—	221	0.00	221	22	0.00	—	774
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.18	0.18
Stationary	3.2	3.0	8.3	7.5	0.01	0.43	0.00	0.43	0.43	0.00	0.43	0.00	1,511	1,511	0.06	0.01	0.00	1,516
Total	22	19	37	64	0.35	0.86	16	17	0.84	4.2	5.0	408	37,354	37,762	43	4.9	81	40,362
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.2	2.6	30	34	0.33	0.39	16	16	0.38	4.2	4.5	—	35,177	35,177	1.6	4.4	2.1	36,536
Area	11	11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	53	53	0.00	0.00	—	53
Water	—	—	—	—	—	—	—	—	—	—	—	186	6.4	193	19	0.45	—	806
Waste	—	—	—	—	—	—	—	—	—	—	—	221	0.00	221	22	0.00	—	774
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.18	0.18
Stationary	3.2	3.0	8.3	7.5	0.01	0.43	0.00	0.43	0.43	0.00	0.43	0.00	1,511	1,511	0.06	0.01	0.00	1,516
Total	18	16	38	42	0.34	0.83	16	17	0.81	4.2	5.0	408	36,747	37,155	43	4.9	2.3	39,686
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.2	2.5	29	34	0.33	0.39	16	16	0.38	4.1	4.5	—	35,248	35,248	1.6	4.4	35	36,636
Area	12	12	0.08	9.4	< 0.005	0.02	—	0.02	0.01	—	0.01	—	39	39	< 0.005	< 0.005	—	39
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	53	53	0.00	0.00	—	53
Water	—	—	—	—	—	—	—	—	—	—	—	186	6.4	193	19	0.45	—	806
Waste	—	—	—	—	—	—	—	—	—	—	—	221	0.00	221	22	0.00	—	774

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.18	0.18
Stationary	0.22	0.20	0.57	0.52	< 0.005	0.03	0.00	0.03	0.03	0.00	0.03	0.00	104	104	< 0.005	< 0.005	0.00	104
Total	17	15	30	43	0.33	0.44	16	16	0.42	4.1	4.5	408	35,450	35,857	43	4.9	35	38,412
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.76	0.47	5.4	6.1	0.06	0.07	2.9	2.9	0.07	0.75	0.82	—	5,836	5,836	0.27	0.73	5.8	6,065
Area	2.2	2.2	0.01	1.7	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.4	6.4	< 0.005	< 0.005	—	6.4
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	8.7	8.7	0.00	0.00	—	8.7
Water	—	—	—	—	—	—	—	—	—	—	—	31	1.1	32	3.2	0.08	—	133
Waste	—	—	—	—	—	—	—	—	—	—	—	37	0.00	37	3.7	0.00	—	128
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Stationary	0.04	0.04	0.10	0.09	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	17	17	< 0.005	< 0.005	0.00	17
Total	3.0	2.7	5.5	7.9	0.06	0.08	2.9	3.0	0.08	0.75	0.82	68	5,869	5,937	7.1	0.80	5.8	6,360

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.9	0.46	27	12	0.26	0.36	8.2	8.6	0.35	2.2	2.5	—	28,306	28,306	1.4	4.2	60	29,659

General Office Building	2.3	2.2	1.3	25	0.07	0.03	7.8	7.9	0.03	2.0	2.0	—	7,400	7,400	0.18	0.16	21	7,474
Total	4.3	2.6	28	37	0.33	0.39	16	16	0.38	4.2	4.5	—	35,706	35,706	1.6	4.4	81	37,133
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.9	0.45	28	12	0.26	0.36	8.2	8.6	0.35	2.2	2.5	—	28,310	28,310	1.4	4.2	1.6	29,606
General Office Building	2.3	2.1	1.7	22	0.07	0.03	7.8	7.9	0.03	2.0	2.0	—	6,867	6,867	0.21	0.19	0.54	6,930
Total	4.2	2.6	30	34	0.33	0.39	16	16	0.38	4.2	4.5	—	35,177	35,177	1.6	4.4	2.1	36,536
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.35	0.08	5.1	2.2	0.05	0.07	1.5	1.5	0.06	0.39	0.46	—	4,687	4,687	0.24	0.70	4.3	4,905
General Office Building	0.41	0.38	0.28	4.0	0.01	0.01	1.4	1.4	0.01	0.35	0.36	—	1,149	1,149	0.03	0.03	1.5	1,160
Total	0.76	0.47	5.4	6.1	0.06	0.07	2.9	2.9	0.07	0.75	0.82	—	5,836	5,836	0.27	0.73	5.8	6,065

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	37	37	0.00	0.00	—	37
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	16	16	0.00	0.00	—	16
Total	—	—	—	—	—	—	—	—	—	—	—	—	53	53	0.00	0.00	—	53
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	37	37	0.00	0.00	—	37
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	16	16	0.00	0.00	—	16
Total	—	—	—	—	—	—	—	—	—	—	—	—	53	53	0.00	0.00	—	53
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	6.2	6.2	0.00	0.00	—	6.2
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	2.6	2.6	0.00	0.00	—	2.6
Total	—	—	—	—	—	—	—	—	—	—	—	—	8.7	8.7	0.00	0.00	—	8.7

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	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
General Office Building	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
Total	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	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
General Office Building	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
Total	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	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
General Office Building	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
Total	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

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	9.4	9.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.3	1.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	3.4	3.1	0.16	19	< 0.005	0.03	—	0.03	0.03	—	0.03	—	78	78	< 0.005	< 0.005	—	79
Total	14	14	0.16	19	< 0.005	0.03	—	0.03	0.03	—	0.03	—	78	78	< 0.005	< 0.005	—	79
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	9.4	9.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.3	1.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	11	11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consumer Product	1.7	1.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.23	0.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.30	0.28	0.01	1.7	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.4	6.4	< 0.005	< 0.005	—	6.4
Total	2.2	2.2	0.01	1.7	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.4	6.4	< 0.005	< 0.005	—	6.4

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	162	5.5	167	17	0.39	—	699
General Office Building	—	—	—	—	—	—	—	—	—	—	—	25	0.83	26	2.5	0.06	—	107
Total	—	—	—	—	—	—	—	—	—	—	—	186	6.4	193	19	0.45	—	806
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-Rail	—	—	—	—	—	—	—	—	—	—	—	162	5.5	167	17	0.39	—	699
General Office Building	—	—	—	—	—	—	—	—	—	—	—	25	0.83	26	2.5	0.06	—	107
Total	—	—	—	—	—	—	—	—	—	—	—	186	6.4	193	19	0.45	—	806
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	27	0.92	28	2.7	0.07	—	116
General Office Building	—	—	—	—	—	—	—	—	—	—	—	4.1	0.14	4.2	0.42	0.01	—	18
Total	—	—	—	—	—	—	—	—	—	—	—	31	1.1	32	3.2	0.08	—	133

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	185	0.00	185	18	0.00	—	647
General Office Building	—	—	—	—	—	—	—	—	—	—	—	36	0.00	36	3.6	0.00	—	127

Total	—	—	—	—	—	—	—	—	—	—	—	221	0.00	221	22	0.00	—	774
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	185	0.00	185	18	0.00	—	647
General Office Building	—	—	—	—	—	—	—	—	—	—	—	36	0.00	36	3.6	0.00	—	127
Total	—	—	—	—	—	—	—	—	—	—	—	221	0.00	221	22	0.00	—	774
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	31	0.00	31	3.1	0.00	—	107
General Office Building	—	—	—	—	—	—	—	—	—	—	—	6.0	0.00	6.0	0.60	0.00	—	21
Total	—	—	—	—	—	—	—	—	—	—	—	37	0.00	37	3.7	0.00	—	128

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.18	0.18
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.18	0.18
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.18	0.18
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.18	0.18
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	3.2	3.0	8.3	7.5	0.01	0.43	0.00	0.43	0.43	0.00	0.43	0.00	1,511	1,511	0.06	0.01	0.00	1,516
Total	3.2	3.0	8.3	7.5	0.01	0.43	0.00	0.43	0.43	0.00	0.43	0.00	1,511	1,511	0.06	0.01	0.00	1,516
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	3.2	3.0	8.3	7.5	0.01	0.43	0.00	0.43	0.43	0.00	0.43	0.00	1,511	1,511	0.06	0.01	0.00	1,516
Total	3.2	3.0	8.3	7.5	0.01	0.43	0.00	0.43	0.43	0.00	0.43	0.00	1,511	1,511	0.06	0.01	0.00	1,516
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.04	0.04	0.10	0.09	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	17	17	< 0.005	< 0.005	0.00	17
Total	0.04	0.04	0.10	0.09	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	17	17	< 0.005	< 0.005	0.00	17

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	210	210	210	76,605	9,444	9,444	9,444	3,447,206
General Office Building	1,147	1,147	1,147	418,658	11,217	11,217	11,217	4,094,162

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Unrefrigerated Warehouse-No Rail	Wood Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Gas Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Propane Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Electric Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	No Fireplaces	0	0
Unrefrigerated Warehouse-No Rail	Conventional Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Catalytic Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Non-Catalytic Wood Stoves	0	0
Unrefrigerated Warehouse-No Rail	Pellet Wood Stoves	0	0
General Office Building	Wood Fireplaces	0	0
General Office Building	Gas Fireplaces	0	0
General Office Building	Propane Fireplaces	0	0
General Office Building	Electric Fireplaces	0	0
General Office Building	No Fireplaces	0	0
General Office Building	Conventional Wood Stoves	0	0
General Office Building	Catalytic Wood Stoves	0	0
General Office Building	Non-Catalytic Wood Stoves	0	0
General Office Building	Pellet Wood Stoves	0	0

5.10.2. Architectural Coatings

—	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
undefined	0.00	0.00	656,402	218,801	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	3,761,997	3.6	0.0000	0.0000	0.00
General Office Building	1,572,780	3.6	0.0000	0.0000	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	84,406,481	2,458,799
General Office Building	12,903,470	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	343	0.00
General Office Building	68	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.0	4.0	18

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Fire Pump	Diesel	3.0	2.0	50	300	0.73

5.16.2. Process Boilers

5.17. User Defined

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Characteristics: Utility Information	Silicon Valley Clean Energy is the Load Serving Entity. GHG Factors are from CalEEMod

Operations: Vehicle Data	Total Vehicle Trips = 1357 daily Truck Trips (using ITE Code 130 for industrial park ITE 12th edition rates for trucks) = 210 Passenger Vehicles= 1147 Avg Truck Trip length conservatively assumed 45 miles Avg Passenger Vehicle length based on CalEEMod Defaults
Operations: Fleet Mix	Truck Fleet Mix based on Heavy Warehouse Passenger Fleet Mix Based on Santa Clara County Avg Normalized for Passenger Vehicles
Operations: Energy Use	All Electric - Zone EDFZ 1 Additional Electricity From Replaced NG End Use updated from the following default values: Warehouse - 3,656,512 kWhr/yr Office - 1,536,843 KWhr/year

Montague Point Industrial Project - Construction without BMPs Custom Report

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8.1. Justifications

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Montague Point Industrial Project - Construction without BMPs
Construction Start Date	7/13/2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.0
Precipitation (days)	31
Location	3050 Zanker Rd, San Jose, CA 95134, USA
County	Santa Clara
City	San Jose
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1809
EDFZ	1
Electric Utility	San Jose Clean Energy
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.35

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Refrigerated Warehouse-No Rail	428	1000sqft	24	427,601	0.00	—	—	Project Site - Construction Only

User Defined Linear	0.47	Mile	1.00	0.00	0.00	—	—	Off-Site Frontage Improvements

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	47	46	50	39	0.19	1.4	35	36	1.3	10	11	—	26,979	26,979	2.0	3.8	49	28,210
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	48	47	34	39	0.08	1.4	10	11	1.3	3.8	5.1	—	8,495	8,495	0.37	0.49	0.30	8,527
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	12	11	10	15	0.03	0.32	4.7	5.0	0.30	1.2	1.5	—	4,250	4,250	0.24	0.37	2.9	4,335
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.1	2.1	1.8	2.8	0.01	0.06	0.85	0.91	0.05	0.22	0.27	—	704	704	0.04	0.06	0.48	718

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	5.2	4.0	50	39	0.19	1.4	35	36	1.3	10	11	—	26,979	26,979	2.0	3.8	49	28,210
2027	47	46	13	23	0.04	0.38	2.3	2.7	0.35	0.55	0.91	—	6,130	6,130	0.24	0.36	10.0	6,253
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	4.8	4.0	34	39	0.08	1.4	10	11	1.3	3.8	5.1	—	8,495	8,495	0.34	0.43	0.29	8,527
2027	48	47	21	33	0.06	0.69	2.6	3.3	0.64	0.63	1.3	—	8,340	8,340	0.37	0.49	0.30	8,497
2028	48	47	20	32	0.06	0.61	2.6	3.2	0.55	0.63	1.2	—	8,248	8,248	0.35	0.48	0.27	8,400
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.3	0.93	10	10	0.03	0.32	4.7	5.0	0.30	1.2	1.5	—	3,976	3,976	0.24	0.37	2.4	4,095
2027	12	11	9.4	15	0.03	0.28	1.5	1.8	0.26	0.36	0.62	—	4,250	4,250	0.17	0.26	2.9	4,335
2028	2.0	1.9	0.82	1.3	< 0.005	0.02	0.10	0.13	0.02	0.03	0.05	—	340	340	0.01	0.02	0.19	346
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.23	0.17	1.8	1.9	0.01	0.06	0.85	0.91	0.05	0.22	0.27	—	658	658	0.04	0.06	0.39	678
2027	2.1	2.1	1.7	2.8	0.01	0.05	0.27	0.32	0.05	0.07	0.11	—	704	704	0.03	0.04	0.48	718
2028	0.36	0.35	0.15	0.24	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	56	56	< 0.005	< 0.005	0.03	57

3. Construction Emissions Details

3.1. Linear, Grading & Excavation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	1.0	0.86	6.8	11	0.02	0.32	—	0.32	0.29	—	0.29	—	1,643	1,643	0.07	0.01	—	1,649
Dust From Material Movement	—	—	—	—	—	—	0.53	0.53	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.0	0.86	6.8	11	0.02	0.32	—	0.32	0.29	—	0.29	—	1,643	1,643	0.07	0.01	—	1,649
Dust From Material Movement	—	—	—	—	—	—	0.53	0.53	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.46	0.73	< 0.005	0.02	—	0.02	0.02	—	0.02	—	113	113	< 0.005	< 0.005	—	113
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	19	19	< 0.005	< 0.005	—	19

Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.48	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	105	105	< 0.005	< 0.005	0.38	107
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.41	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	97	97	< 0.005	< 0.005	0.01	99
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.7	6.7	< 0.005	< 0.005	0.01	6.8
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.1	1.1	< 0.005	< 0.005	< 0.005	1.1
Vendor	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	0.00
Hauling	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	0.00

3.3. Linear, Drainage, Utilities, & Sub-Grade (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.65	0.55	5.1	7.9	0.01	0.22	—	0.22	0.20	—	0.20	—	1,251	1,251	0.05	0.01	—	1,255
Dust From Material Movement	—	—	—	—	—	—	0.53	0.53	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.25	0.39	< 0.005	0.01	—	0.01	0.01	—	0.01	—	62	62	< 0.005	< 0.005	—	62
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10	10	< 0.005	< 0.005	—	10

Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.33	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	78	78	< 0.005	< 0.005	0.01	79
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.9	3.9	< 0.005	< 0.005	0.01	3.9
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.64	0.64	< 0.005	< 0.005	< 0.005	0.65
Vendor	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	0.00
Hauling	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	0.00

3.5. Linear, Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	0.44	4.0	5.3	0.01	0.18	—	0.18	0.16	—	0.16	—	812	812	0.03	0.01	—	814
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16	16	< 0.005	< 0.005	—	16
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.6	2.6	< 0.005	< 0.005	—	2.6
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.33	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	78	78	< 0.005	< 0.005	0.01	79
Vendor	0.05	0.01	0.65	0.34	< 0.005	0.01	0.11	0.11	0.01	0.03	0.04	—	426	426	0.04	0.07	0.02	448

Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.5	1.5	< 0.005	< 0.005	< 0.005	1.5
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.2	8.2	< 0.005	< 0.005	0.01	8.6
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.25	0.25	< 0.005	< 0.005	< 0.005	0.25
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.4	1.4	< 0.005	< 0.005	< 0.005	1.4
Hauling	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	0.00

3.7. Demolition (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.7	2.3	21	19	0.03	0.84	—	0.84	0.78	—	0.78	—	3,427	3,427	0.14	0.03	—	3,438
Demolition	—	—	—	—	—	—	29	29	—	4.4	4.4	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.22	0.19	1.7	1.6	< 0.005	0.07	—	0.07	0.06	—	0.06	—	282	282	0.01	< 0.005	—	283
Demolition	—	—	—	—	—	—	2.4	2.4	—	0.36	0.36	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.31	0.29	< 0.005	0.01	—	0.01	0.01	—	0.01	—	47	47	< 0.005	< 0.005	—	47
Demolition	—	—	—	—	—	—	0.43	0.43	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.57	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	126	126	< 0.005	< 0.005	0.46	128
Vendor	0.05	0.01	0.53	0.29	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	—	365	365	0.03	0.06	0.74	384
Hauling	2.3	0.50	28	14	0.15	0.29	6.1	6.4	0.29	1.7	2.0	—	23,061	23,061	1.8	3.7	48	24,260
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.7	9.7	< 0.005	< 0.005	0.02	9.8
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	30	30	< 0.005	< 0.005	0.03	32
Hauling	0.19	0.04	2.4	1.2	0.01	0.02	0.49	0.52	0.02	0.14	0.16	—	1,896	1,896	0.15	0.30	1.7	1,992
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.6	1.6	< 0.005	< 0.005	< 0.005	1.6
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.0	5.0	< 0.005	< 0.005	< 0.005	5.2

Hauling	0.03	0.01	0.44	0.21	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	314	314	0.02	0.05	0.28	330

3.9. Site Preparation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.7	3.1	29	29	0.05	1.2	—	1.2	1.1	—	1.1	—	5,298	5,298	0.21	0.04	—	5,316
Dust From Material Movement	—	—	—	—	—	—	20	20	—	10	10	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.09	0.80	0.79	< 0.005	0.03	—	0.03	0.03	—	0.03	—	145	145	0.01	< 0.005	—	146
Dust From Material Movement	—	—	—	—	—	—	0.54	0.54	—	0.28	0.28	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.02	0.02	0.15	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24	24	< 0.005	< 0.005	—	24
Dust From Material Movement	—	—	—	—	—	—	0.10	0.10	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.67	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	147	147	< 0.005	0.01	0.54	149
Vendor	0.03	0.01	0.39	0.19	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.03	—	318	318	0.02	0.05	0.78	333
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.8	3.8	< 0.005	< 0.005	0.01	3.8
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.7	8.7	< 0.005	< 0.005	0.01	9.1
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.63	0.63	< 0.005	< 0.005	< 0.005	0.63
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.4	1.4	< 0.005	< 0.005	< 0.005	1.5
Hauling	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	0.00

3.11. Grading (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.6	3.0	27	28	0.06	1.1	—	1.1	1.0	—	1.0	—	6,599	6,599	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	9.2	9.2	—	3.7	3.7	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.6	3.0	27	28	0.06	1.1	—	1.1	1.0	—	1.0	—	6,599	6,599	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	9.2	9.2	—	3.7	3.7	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.29	2.6	2.6	0.01	0.11	—	0.11	0.10	—	0.10	—	633	633	0.03	0.01	—	635
Dust From Material Movement	—	—	—	—	—	—	0.88	0.88	—	0.35	0.35	—	—	—	—	—	—	—
Onsite truck	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	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.48	0.48	< 0.005	0.02	—	0.02	0.02	—	0.02	—	105	105	< 0.005	< 0.005	—	105
Dust From Material Movement	—	—	—	—	—	—	0.16	0.16	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.76	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	168	168	< 0.005	0.01	0.61	171
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.06	0.65	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	156	156	< 0.005	0.01	0.02	158
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15	15	< 0.005	< 0.005	0.03	15
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.5	2.5	< 0.005	< 0.005	< 0.005	2.5
Vendor	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	0.00
Hauling	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	0.00

3.13. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.3	1.1	9.9	13	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.3	1.7	< 0.005	0.05	—	0.05	0.05	—	0.05	—	314	314	0.01	< 0.005	—	315
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.24	0.31	< 0.005	0.01	—	0.01	0.01	—	0.01	—	52	52	< 0.005	< 0.005	—	52
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.56	0.50	0.50	5.8	0.00	0.00	1.5	1.5	0.00	0.35	0.35	—	1,399	1,399	0.04	0.06	0.14	1,418
Vendor	0.17	0.05	2.4	1.1	0.01	0.03	0.49	0.52	0.03	0.14	0.16	—	1,859	1,859	0.10	0.27	0.12	1,943
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	0.76	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	185	185	< 0.005	0.01	0.31	188
Vendor	0.02	0.01	0.31	0.15	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	244	244	0.01	0.04	0.26	255
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.14	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	31	31	< 0.005	< 0.005	0.05	31
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	40	40	< 0.005	0.01	0.04	42
Hauling	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	0.00

3.15. Building Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.2	1.0	9.4	13	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	1.2	1.0	9.4	13	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.88	0.74	6.7	9.2	0.02	0.24	—	0.24	0.22	—	0.22	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.16	0.13	1.2	1.7	< 0.005	0.04	—	0.04	0.04	—	0.04	—	283	283	0.01	< 0.005	—	284
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.56	0.50	0.38	6.4	0.00	0.00	1.5	1.5	0.00	0.35	0.35	—	1,482	1,482	0.02	0.06	5.0	1,505
Vendor	0.16	0.06	2.2	1.1	0.01	0.03	0.49	0.52	0.03	0.14	0.16	—	1,820	1,820	0.10	0.27	4.0	1,907
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.54	0.48	0.44	5.5	0.00	0.00	1.5	1.5	0.00	0.35	0.35	—	1,373	1,373	0.03	0.06	0.13	1,392
Vendor	0.16	0.05	2.3	1.1	0.01	0.03	0.49	0.52	0.03	0.14	0.16	—	1,821	1,821	0.10	0.27	0.10	1,905
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.38	0.34	0.31	3.9	0.00	0.00	1.0	1.0	0.00	0.24	0.24	—	992	992	0.02	0.04	1.5	1,006
Vendor	0.11	0.04	1.6	0.79	0.01	0.02	0.35	0.37	0.02	0.10	0.11	—	1,300	1,300	0.07	0.19	1.2	1,361
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	0.70	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	164	164	< 0.005	0.01	0.25	167
Vendor	0.02	0.01	0.30	0.14	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	215	215	0.01	0.03	0.20	225
Hauling	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	0.00

3.17. Building Construction (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.2	0.99	8.9	13	0.02	0.30	—	0.30	0.28	—	0.28	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.37	0.53	< 0.005	0.01	—	0.01	0.01	—	0.01	—	99	99	< 0.005	< 0.005	—	99
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.01	0.01	0.07	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16	16	< 0.005	< 0.005	—	16
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.52	0.46	0.44	5.1	0.00	0.00	1.5	1.5	0.00	0.35	0.35	—	1,350	1,350	0.03	0.06	0.12	1,368
Vendor	0.14	0.05	2.2	1.1	0.01	0.03	0.49	0.52	0.01	0.14	0.15	—	1,777	1,777	0.09	0.26	0.09	1,856
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.21	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	56	56	< 0.005	< 0.005	0.08	57
Vendor	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	73	73	< 0.005	0.01	0.06	76
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.3	9.3	< 0.005	< 0.005	0.01	9.4
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12	12	< 0.005	< 0.005	0.01	13
Hauling	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	0.00

3.19. Paving (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.88	0.74	6.9	10.0	0.01	0.30	—	0.30	0.27	—	0.27	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.45	0.64	< 0.005	0.02	—	0.02	0.02	—	0.02	—	98	98	< 0.005	< 0.005	—	98
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16	16	< 0.005	< 0.005	—	16
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.04	0.46	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	115	115	< 0.005	< 0.005	0.01	116

Vendor	0.08	0.02	1.1	0.57	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	—	714	714	0.07	0.11	0.04	750
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.5	7.5	< 0.005	< 0.005	0.01	7.6
Vendor	0.01	< 0.005	0.07	0.04	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	46	46	< 0.005	0.01	0.04	48
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.2	1.2	< 0.005	< 0.005	< 0.005	1.3
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.6	7.6	< 0.005	< 0.005	0.01	8.0
Hauling	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	0.00

3.21. Paving (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.82	0.69	6.6	9.9	0.01	0.26	—	0.26	0.24	—	0.24	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.03	0.03	0.27	0.41	< 0.005	0.01	—	0.01	0.01	—	0.01	—	62	62	< 0.005	< 0.005	—	62
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10	10	< 0.005	< 0.005	—	10
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.43	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	113	113	< 0.005	< 0.005	0.01	114
Vendor	0.08	0.02	1.1	0.56	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	—	696	696	0.06	0.11	0.03	732
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.7	4.7	< 0.005	< 0.005	0.01	4.8
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	29	29	< 0.005	< 0.005	0.02	30
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.78	0.78	< 0.005	< 0.005	< 0.005	0.79
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.7	4.7	< 0.005	< 0.005	< 0.005	5.0
Hauling	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	0.00

3.23. Architectural Coating (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	0.83	1.1	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	45	45	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	0.83	1.1	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	45	45	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.19	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31	31	< 0.005	< 0.005	—	31

Architect Coatings	10	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.03	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.1	5.1	< 0.005	< 0.005	—	5.1
Architectural Coatings	1.9	1.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.08	1.3	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	296	296	< 0.005	0.01	0.99	301
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.09	1.1	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	275	275	0.01	0.01	0.03	278
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.25	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	64	64	< 0.005	< 0.005	0.10	65
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11	11	< 0.005	< 0.005	0.02	11
Vendor	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	0.00
Hauling	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	0.00

3.25. Architectural Coating (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.81	1.1	< 0.005	0.02	—	0.02	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	45	45	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.03	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.5	5.5	< 0.005	< 0.005	—	5.5
Architectural Coatings	1.8	1.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.91	0.91	< 0.005	< 0.005	—	0.91
Architectural Coatings	0.33	0.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.09	1.0	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	270	270	0.01	0.01	0.02	274
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11	11	< 0.005	< 0.005	0.02	11
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.9	1.9	< 0.005	< 0.005	< 0.005	1.9
Vendor	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	0.00
Hauling	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	0.00

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Linear, Grading & Excavation	Linear, Grading & Excavation	9/7/2026	10/9/2026	5.0	25	Sidewalks, Driveways and Intersection Improvements
Linear, Drainage, Utilities, & Sub-Grade	Linear, Drainage, Utilities, & Sub-Grade	10/10/2026	11/4/2026	5.0	18	Sidewalks, Driveways and Intersection Improvements
Linear, Paving	Linear, Paving	11/5/2026	11/13/2026	5.0	7.0	Sidewalks, Driveways and Intersection Improvements
Demolition	Demolition	7/13/2026	8/21/2026	5.0	30	Demolition of Existing 422,635 SF of office and associated parking
Site Preparation	Site Preparation	8/24/2026	9/4/2026	5.0	10.0	—
Grading	Grading	9/7/2026	10/23/2026	5.0	35	—
Building Construction	Building Construction	10/26/2026	1/21/2028	5.0	325	—
Paving	Paving	11/29/2027	1/21/2028	5.0	40	—
Architectural Coating	Architectural Coating	9/6/2027	1/21/2028	5.0	100	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Linear, Grading & Excavation	Excavators	Diesel	Average	1.00	8.0	36	0.38
Linear, Grading & Excavation	Graders	Diesel	Average	1.00	8.0	148	0.41
Linear, Grading & Excavation	Rollers	Diesel	Average	1.00	8.0	36	0.38

Linear, Grading & Excavation	Rubber Tired Loaders	Diesel	Average	1.00	8.0	150	0.36
Linear, Grading & Excavation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.0	84	0.37
Linear, Drainage, Utilities, & Sub-Grade	Graders	Diesel	Average	1.00	8.0	148	0.41
Linear, Drainage, Utilities, & Sub-Grade	Plate Compactors	Diesel	Average	1.00	8.0	8.0	0.43
Linear, Drainage, Utilities, & Sub-Grade	Rough Terrain Forklifts	Diesel	Average	1.00	8.0	96	0.40
Linear, Drainage, Utilities, & Sub-Grade	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.0	84	0.37
Linear, Paving	Pavers	Diesel	Average	1.00	8.0	81	0.42
Linear, Paving	Paving Equipment	Diesel	Average	1.00	8.0	89	0.36
Linear, Paving	Rollers	Diesel	Average	1.00	8.0	36	0.38
Linear, Paving	Cement and Mortar Mixers	Diesel	Average	1.00	8.0	10.0	0.56
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.0	33	0.73
Demolition	Excavators	Diesel	Average	3.0	8.0	36	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.0	8.0	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.0	8.0	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.0	8.0	84	0.37
Grading	Excavators	Diesel	Average	2.0	8.0	36	0.38
Grading	Graders	Diesel	Average	1.00	8.0	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.0	367	0.40
Grading	Scrapers	Diesel	Average	2.0	8.0	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.0	8.0	84	0.37
Building Construction	Cranes	Diesel	Average	1.00	7.0	367	0.29
Building Construction	Forklifts	Diesel	Average	3.0	8.0	82	0.20

Building Construction	Generator Sets	Diesel	Average	1.00	8.0	14	0.74
Building Construction	Tractors/Loaders/Back hoes	Diesel	Average	3.0	7.0	84	0.37
Building Construction	Welders	Diesel	Average	1.00	8.0	46	0.45
Paving	Pavers	Diesel	Average	2.0	8.0	81	0.42
Paving	Paving Equipment	Diesel	Average	2.0	8.0	89	0.36
Paving	Rollers	Diesel	Average	2.0	8.0	36	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.0	37	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Linear, Grading & Excavation	Worker	13	12	LDA,LDT1,LDT2
Linear, Grading & Excavation	Vendor	0.00	8.4	HHDT,MHDT
Linear, Grading & Excavation	Hauling	0.00	20	HHDT
Linear, Grading & Excavation	Onsite truck	—	—	HHDT
Linear, Drainage, Utilities, & Sub-Grade	Worker	10.0	12	LDA,LDT1,LDT2
Linear, Drainage, Utilities, & Sub-Grade	Vendor	0.00	8.4	HHDT,MHDT
Linear, Drainage, Utilities, & Sub-Grade	Hauling	0.00	20	HHDT
Linear, Drainage, Utilities, & Sub-Grade	Onsite truck	—	—	HHDT
Linear, Paving	Worker	10.0	12	LDA,LDT1,LDT2
Linear, Paving	Vendor	14	8.4	HHDT
Linear, Paving	Hauling	0.00	20	HHDT
Linear, Paving	Onsite truck	—	—	HHDT
Demolition	Worker	15	12	LDA,LDT1,LDT2

Demolition	Vendor	12	8.4	HHDT
Demolition	Hauling	329	20	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	Worker	18	12	LDA,LDT1,LDT2
Site Preparation	Vendor	12	8.4	HHDT,MHDT
Site Preparation	Hauling	0.00	20	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	20	12	LDA,LDT1,LDT2
Grading	Vendor	—	8.4	HHDT,MHDT
Grading	Hauling	0.00	20	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	180	12	LDA,LDT1,LDT2
Building Construction	Vendor	70	8.4	HHDT,MHDT
Building Construction	Hauling	0.00	20	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15	12	LDA,LDT1,LDT2
Paving	Vendor	24	8.4	HHDT
Paving	Hauling	0.00	20	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	36	12	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.4	HHDT,MHDT
Architectural Coating	Hauling	0.00	20	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	641,402	213,801	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Linear, Grading & Excavation	—	—	1.00	0.00	0.00
Linear, Drainage, Utilities, & Sub-Grade	—	—	1.00	0.00	0.00
Demolition	0.00	0.00	0.00	39,424	0.00
Site Preparation	—	—	15	0.00	0.00
Grading	—	—	105	0.00	0.00
Paving	0.00	0.00	0.00	0.00	10

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Refrigerated Warehouse-No Rail	9.4	0%
Paving	User Defined Linear	1.00	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	152	0.00	0.00
2027	0.00	152	0.00	0.00
2028	0.00	152	0.00	0.00

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Characteristics: Utility Information	Load Service Entity for San Jose GHG Intensity for Base Plan from 2024 Power Content Label = 152 lb CO2e/MWhr
Land Use	Landscaping not included since this is a construction only run Paved Area of 9.4 Acres inclusive in the 23.75 acres and included in Paved Area for ROG from asphalt off-gassing. User-Defined Linear = Off-Site Improvements (1.0 acre) - Includes driveways, intersection improvement and bike path
Construction: Construction Phases	Schedule Adjusted per Applicant Provided Information. Demolition, Architectural Coating extended from default phase lengths to account for increased activity; daily equipment number and hours conservatively preserved.
Construction: Off-Road Equipment	Eqpt For Off-Site Improvements for Sidewalk, Road Improvements and Driveway
Construction: Trips and VMT	Site Preparation includes Vendor Trips for the Removal of Trees Paving Includes Vendor Trips for Delivery of Asphalt for On-Site and Off-Site Improvements
Construction: Paving	Per Applicant and confirmed via Site /Stormwater Plans Off-Site Linear = Roadway Improvements, Bike Path, Driveway and Sidewalks (conservatively assume all is asphalt paved)
Construction: Electricity	CO2 intensity factor = CO2e Intensity Factor for San Jose Clean Energy based on 2024 Power Content Label

Montague Point Industrial Project

Construction - Demolition

Description	Footprint Area (sq ft)	height/depth (ft)	Volume (ft^3)	Demolition Waste Fraction	Demolition Volume (CY)	Demolition Waste Density (tons/cy)	Demolition Weight (tons)
Buildings	211,318	20	4,226,350	0.25	39,133	0.50	19,566
Pavement	529,545	0.5	264,773	1	9,806	2.025	19,858
	740,863					**Totals**	**39,424**

Notes:

1. Assumptions: Building demolition estimates are based on methods used in CalEEMod (CAPCOA, 2022), based on 1 story building , assume 10 ft per floor where 1 square ft floor area = 10 cubic ft (ft^3) of building volume, and 1 ft^3 of building volume = 0.25 ft^3 of waste. This approach can be used to estimate demolition for multiple story buildings. It also assumes 1 cubic yard (cy) building waste = 0.5 ton weight

2. Assumptions: 1 cubic yard of asphalt = 2.025 tons or 4050 lbs.

3. Source: ICF in collaboration with Sacramento Metropolitan Air Quality Management District, Fehr & Peers, STI and Ramboll. 2022. CalEEMod Appendix C Emission Calculation Details for CalEEMod. April.

Impervious Area demolished = 740,862 SF minus the footprint of 2 story buildings totalling 422,635 SF with footprint of ~211,318 SF - with resultant of ~ 529,545 SF hardscape (sidewalk/parking)

Montague Point Industrial Project

Construction - Trips and VMT

Landuse Asphalt Paved Area	Asphalt Paved Area (sf)	Asphalt volume (cubic feet)	Asphalt Volume (cy)	Capacity per vendor truck (cy per truck)	One Way Trips Total	Days in Paving Phase	One Way Vendor Trips Per Day (Asphalt)
Unrefrigerated Warehouse-No Rail	409,464	204,732	7,583	16	948	40	24
Linear, User Defined (Off-Site Improvements)	43,560	21,780	807	16	101	7	14

Notes:

1. Assumptions: Asphalt volume (cubic feet) assumes 6 inch pavement

Montague Point Industrial Project

Site Prep - Tree Removal Haul

Number of Trees to be Removed	Volume Factor (cy/tree)	Volume Tree Removal (c/y)	Capacity Per Vendor Truck (cy)	Truckloads Required	One-Way Trips (2 per truck load)	Days in Site Prep Phase	One Way Vendor Trips per Day
222	2.67	592.00	10	59	118	10	12

Notes:

1. Source: Federal Emergency Management Agency (FEMA). 2007. FEMA - Bulletin 325, Public Assistance Debris Management Guide, July.
2. Assumptions: 15 trees, 8 inches in diameter = 40 cy (average)

Montague Point Industrial Project

Measure E-15 All-Electric

CEC Electricity Demand Forecast Zone (EDFZ) 1

Land Use Subtype	Size	Units	Per Unit Annual Energy Use by Land Use Subtype and EDFZ[1] Total	Title 24	Non Title 24	Additional electricity use per Unit for equivalent electrified end uses Title 24 Water Heater	Primary Heat	Non Title 24 Cooking	Dryer
Unrefrigerated Warehouse-No Rail	365.001	1,000 sqft	10,018	3,468	6,550	2	286	1	0
General Office Building	72.600	1,000 sqft	21,169	13,750	7,419	82	385	28	0

Notes:

Source: CalEEMod Table G-28. Annual Energy Use by Land Use Subtype and EDFZ . Recreational Pool building assigned Health Club Usage

Land Use Subtype	Size	Units	CalEEMod Defaults Baseline Annual Energy Usage for Project Landuse Total	Title 24	Non Title 24	for equivalent electrified end uses Title 24 Water Heater	Primary Heat	Non Title 24 Cooking	Dryer
Unrefrigerated Warehouse-No Rail	437.601	1,000 sqft	**3,656,512**	1,265,771	2,390,741	730	104,390	365	0
General Office Building	72.6	1,000 sqft	1,536,843	998,258	538,585	5,953	27,951	2,033	0

Notes:

Source: CAPCOA GHG Handbook, Table E 15.1 and 2. Commercial Energy Consumption by End Use,1 Electricity Demand Forecast Zone, and Building Type

Handbook for Analyzing Greenhouse Gas Emission Reductions, Assessing Climate Vulnerabilities, and Advancing Health and Equity. Available at: Available at: https://www.airquality.org/ClimateChange/Documents/Final%20Handbook_AB434.pdf.

Building Type / LandUse	Amount	Units	Adjustment for Measure E-15 Annual Electrical Usage (kWhr) Total	Title 24	Non Title 24
Unrefrigerated Warehouse-No Rail	437.601	1,000 sqft	**3,761,997**	**1,370,891**	**2,391,106**
General Office Building	72.6	1,000 sqft	1,572,780	1,032,162	540,618

Montague Point Industrial Project

Dock Door Idling Emissions

Diesel Particulate Matter (DPM) Emissions from Idling Trucks

	Daily Truck Trip Rate[1] Trips/day
Industrial Truck Trips	210

Vehicle Fleet

	Project Trucks Vehicle Mix[2]	Project Trucks Daily One Way Trips	DPM Idle Exhaust Factor[3] (g/idle-hr)	Idle time per visit Visit (RT)	DPM Idle (lb/trip)	DPM Emissions (lb/day)	DPM Emissions[4] (lb/year)
MHDT (large 2 axle and 3 axle truck)	39.66%	83	0.041017	15	2.26E-05	1.88E-03	0.687
HHDT (4+ axle truck)	60.34%	127	0.012617	15	6.95E-06	8.81E-04	0.322
Truck Subtotal	100.0%	210	—	—	2.96E-05	2.76E-03	1.009

Notes:

1. Truck trips estimated based on ITE Trip Generation rate for Land Use 130 industrial Park and Rate of 0.48 trucks per ksf.. All trips refer to one-way trips.
2. Truck Fleet Mix based on Fontana Truck Trip Generation Study for Heavy Warehouses.
3. DPM emission rates from EMFAC2021_PL for diesel truck idling, Santa Clara County 2028.
4. Annual emissions based on 365 days operation per year

Montague Point Industrial Project

OnSite Low-Speed Travel

Diesel Particulate Matter (DPM) Emissions from Low-Speed Traveling Trucks

	Daily Truck Trip Rate[1] Trips/day
Industrial Truck Trips	210

Vehicle Fleet

	Project Trucks Vehicle Mix[3]	Project Trucks Daily One Way Trips	DPM Running Exhaust Factor[5] (g/mi)	Distance onsite per (mi)	DPM Running Exhaust (lb/trip)	DPM Emissions (lb/day)	DPM Emissions (lb/year)
1.22`1							
MHDT (large 2 axle and 3 axle truck)	39.66%	83	0.027379	0.39	2.35E-05	1.96E-03	0.716
HHDT (4+ axle truck)	60.34%	127	0.012704	0.39	1.09E-05	1.38E-03	0.505
Truck Subtotal	100.0%	210	—	—	3.45E-05	3.34E-03	1.221

Notes:

1. truck trips estimated based on ITE Trip Generation rate for Land Use 130 industrial Park and Rate of 0.48 trucks per ksf.

3. Truck Fleet Mix based on Fontana Truck Trip Generation Study. Refer to CalEEMod Worksheet :n Operation Fleet Mix Adjustments - Large Trucks.

5 . PM10 Running Exhaust Emission Factor from EMFAC2021-PL for 5 mph for Diesel Fueled Vehicles in Each Large Truck Category

6. All trips refer to one-way trips.

annual emissions based on 365 days operation per year

Montague Point Industrial Project

Off-Site Running Exhaust

Diesel Particulate Matter (DPM) Emissions from Traveling Trucks

	Daily Truck Trip Rate[1] Trips/day
Industrial Truck Trips	210

Vehicle Fleet

	Project Trucks Vehicle Mix[3]	Project Trucks Daily One Way Trips	DPM Running Exhaust Factor[5] (g/mi)	Distance traveled per trip within modeling buffer area (mi)	DPM Running Exhaust (lb/trip)	DPM Emissions (lb/day)	DPM Emissions (lb/year)
MHDT (large 2 axle and 3 axle truck)	39.66%	83	0.014506	0.97	3.10E-05	2.58E-03	0.943
HHDT (4+ axle truck)	60.34%	127	0.008096	0.97	1.73E-05	2.19E-03	0.801
Truck Subtotal	100.0%	210	—	—	4.83E-05	4.78E-03	1.744

Notes:

1. truck trips estimated based on ITE Trip Generation rate for Land Use 130 industrial Park and Rate of 0.48 trucks per ksf.
5 . PM10 Running Exhaust Emission Factor from EMFAC2021-PL for 15 mph for Diesel Fueled Vehicles in Each Large Truck Category
6. All trips refer to one-way trips.
annual emissions based on 365 days operation per year

Montague Point Industrial Project

PL_SantaClara_2028_Annual

calendar_year	season_mont	sub_area	vehicle_class	fuel	temperature	relative_humidity	process	speed_time	pollutant	emission_rate
2028	Annual	Santa Clara (SF)	HHDT	Dsl	77	50	RUNEX	5	PM10	0.01270426
2028	Annual	Santa Clara (SF)	MHDT	Dsl	77	50	RUNEX	5	PM10	0.027378557
2028	Annual	Santa Clara (SF)	HHDT	Dsl	77	50	RUNEX	10	PM10	0.010550381
2028	Annual	Santa Clara (SF)	MHDT	Dsl	77	50	RUNEX	10	PM10	0.022226325
2028	Annual	Santa Clara (SF)	HHDT	Dsl	77	50	RUNEX	15	PM10	0.008096488
2028	Annual	Santa Clara (SF)	MHDT	Dsl	77	50	RUNEX	15	PM10	0.014506447
2028	Annual	Santa Clara (SF)	HHDT	Dsl	77	50	RUNEX	20	PM10	0.006779901
2028	Annual	Santa Clara (SF)	MHDT	Dsl	77	50	RUNEX	20	PM10	0.00940965
2028	Annual	Santa Clara (SF)	HHDT	Dsl	77	50	RUNEX	25	PM10	0.005878505
2028	Annual	Santa Clara (SF)	MHDT	Dsl	77	50	RUNEX	25	PM10	0.007314748
2028	Annual	Santa Clara (SF)	HHDT	Dsl	77	50	RUNEX	30	PM10	0.005975942
2028	Annual	Santa Clara (SF)	MHDT	Dsl	77	50	RUNEX	30	PM10	0.006206446
2028	Annual	Santa Clara (SF)	HHDT	Dsl			IDLEX		PM10	0.012617075
2028	Annual	Santa Clara (SF)	MHDT	Dsl			IDLEX		PM10	0.041016681

Montague Point Industrial Project

AERMOD DPM Sources

Source ID	Modeled Source	Location Description	Source Type	Size		Source Release Parameters (m) Release Height	Initial Lateral Dimension	Initial Vertical Dimension	Emissions[4] (lb/hr)	AERMOD Source Emission Rate	
SITE_DPM	Off-Road Equipment Diesel Exhaust[1,4]	Project Site	Area	95942.3	m^2	5	—	1.4	0.0630	8.3E-08	g/m2-sec
OFFSITE_DPM	Off-Road Equipment Diesel Exhaust[1,4]	Off-Site Improvements	Line-Area	4047	m^2	—		1	0.0041	1.3E-07	g/m2-sec
ROAD1_DPM	Haul Road - On-Road Diesel Exhaust[2,3,4]	Truck Route - Montague Expressway	Line-Volume	1418	meters	3.40	12.09	3.16	4.12E-04	5.2E-05	g/s
ROAD2_DPM	Haul Road - On-Road Diesel Exhaust[2,3,5]	Truck Route - Junction Avenue	Line-Volume	956.5	meters	3.40	9.77	3.16	2.78E-04	3.5E-05	g/s

Notes:

1. Construction exhaust modeled as an area source. Release parameters for construction equipment DPM exhaust (PM10E) modeling from SCAQMD (2008) for gaseous exhaust from construction equipment.
2. Emissions for On-Road Mobile Sources (Vendor and Haul Diesel Exhaust) modeled only for roadways within 1,000 feet of the site within the modeling domain.
3. Parameters calculated as per US EPA Haul Road Workgroup Final Report released on March 2, 2012 which suggests the use of Adjacent Volume Sources to represent the haul road.
4. Emissions from CalEEModeling for Construction modeled over weekday (M-F)daytime construction hours of 8 am - 5 pm with a 1 hour break during lunch for 8 hours per day. HROFDY 9 -12 and 14-17 in AERMOD.

Montague Point Industrial Project

AERMOD PM2.5 Sources

Source ID	Modeled Source	Location Description	Source Type	Size		Source Release Parameters (m) Release Height	Initial Lateral Dimension	Initial Vertical Dimension	Emissions[4] (lb/hr)	AERMOD Source Emission Rate	
SITE_PM25	Off-Road Equipment PM2.5[1,4]	Project Site	Area	95942.3	m2	5	—	1.4	0.067	8.80E-08	g/m2-sec
OFFSITE_PM25	Off-Site Improvements	Oft-Site Improvements	Line-Area	4047	m2	—		1	0.004	1.28E-07	g/m2-sec
ROAD1_PM25	On-Road PM2.5 [2,3,4]	Truck Route - Montague Expressway	Line-Volume	1418	meters	3.40	12.09	3.16	4.12E-04	5.19E-05	g/s
ROAD2_PM25	On-Road PM2.5 [2,3,5]	Truck Route - Junction Avenue	Line-Volume	956.5	meters	3.40	9.77	3.16	2.78E-04	3.50E-05	g/s

Notes:

1. Construction exhaust modeled as an area source. Release parameters for construction equipment DPM exhaust modeling from SCAQMD (2008) for gaseous exhaust from construction equipment. PM2.5D modeled along with PM2.5E as per BAAQMD 2022 CEQA Guidelines which permits PM2.5 Dust to be modeled along with PM2.5 Exhaust.

2. Emissions for On-Road Mobile Sources (Worker, Vendor and Haul PM2.5) modeled only for roadways within 1,000 feet of the site within the modeling domain.

3. Parameters calculated as per US EPA Haul Road Workgroup Final Report released on March 2, 2012 which suggests the use of Adjacent Volume Sources to represent the haul road.

4. Emissions from CalEEModeling for Construction modeled during construction hours of 8 am - 5 pm with a 1 hour break during lunch for 8 hours per day. HROFDY 9 -12 and 14-17 in AERMOD.

Montague Point Industrial Project

DPM Emissions

Net Work Days	400
Net Construction Years	1.50
Total Working Hours	3,200

Construction Year	Construction Activity	On-site DPM (lbs)	Off-Site DPM (lbs)	Off-Site DPM(lbs)		
				Worker	Vendor	Haul
2026	Demolition	25.29	0.37	-	0.13	8.69
2026	Site Preparation	12.43	0.55	-	0.04	-
2026	Grading	39.25		-	-	-
2026	Building Construction	18.12		-	1.24	-
2027	Building Construction	87.75		-	6.77	-
2028	Building Construction	4.50		-	0.39	-
2027	Paving	7.03	0.58	-	0.21	-
2028	Paving	3.83	0.33	-	0.13	-
2027	Architectural Coating	1.59	0.04	-	-	-
2028	Architectural Coating	0.23	0.00	-	-	-
2026	**Linear, Grading & Excavation**	**7.88**	**0.00**	-	-	-
2026	**Linear, Drainage, Utilities, & Sub-Gr**	**3.91**	**0.00**	-	-	-
2026	**Linear, Paving**	**1.23**	**0.00**	-	-	-
Total PM Exhaust (On-site)		**213.05**	**1.88**	-	8.92	8.69

Note: PM10E = PM10 Exhaust which is a surrogate for Diesel Exhaust, particulate matter

	Worker	Vendor	Haul
CalEEMod Distance (miles)	11.7	8.4	20
Roadways Included within 1,000 ft	1.48	1.48	1.48
Roadway Emissions included	13%	18%	7%

Off-site Roadway DPM (lbs)	Off-Site Diesel PM (lbs) within 1,000 ft Roadways		
	Worker	Vendor	Haul
2.208	-	1.57	0.64

Source	acres/miles	lbs	lb/hr
Project Site	23.71	200.02	0.063
Off-Site Improvements	1.0	13.03	0.0041
Roadway 1	0.88	1.318	4.1E-04
Roadway 2	0.59	0.889	2.8E-04

Montague Point Industrial Project

PM2.5 Emissions

Net Work Days	261
Net Construction Years	1.0
Total Working Hours	2,088

Construction Year*	Construction Activity	% Included in Max Year	On-site PM2.5T (lbs)	Off-Site PM2.5T (lbs)	Off-Site PM2.5T (lbs)		
					Worker	Vendor	Haul
2026	**Demolition**	**100%**	**25.29**	**59.77**	**0.85**	**0.89**	**58.03**
2026	**Site Preparation**	**100%**	**12.43**	**0.61**	**0.33**	**0.27**	**-**
2026	**Grading**	**100%**	**39.25**	**1.33**	**1.33**	**-**	**-**
2026	**Building Construction**	**100%**	**18.12**	**23.97**	**16.30**	**7.67**	**-**
2027	**Building Construction**	**52%**	**87.75**	**130.60**	**88.80**	**41.80**	**-**
2028	Building Construction	0%	4.50	**7.32**	5.11	2.21	-
2027	Paving	0%	7.03	**2.07**	0.67	1.40	-
2028	Paving	0%	3.83	**1.32**	0.43	0.89	-
2027	Architectural Coating	0%	1.59	**5.69**	5.69	-	-
2028	Architectural Coating	0%	0.23	**1.02**	1.02	-	-
2026	**Linear, Grading & Excavation**	**100%**	**7.88**	**0.59**	**0.59**	**-**	**-**
2026	**Linear, Drainage, Utilities, & Sub-Grade**	**100%**	**3.91**	**0.34**	**0.34**	**-**	**-**
2026	**Linear, Paving**	**100%**	**1.23**	**0.38**	**0.13**	**0.24**	**-**
		Total PM2.5	213.05	235.00	121.60	55.38	58.03
		Max Year PM2.5 Total	153.74	154.90	66.06	30.81	58.03
		Max Year Site PM2.5	140.72				
		Max Year Linear PM2.5	**13.03**				

Note: PM2.5T = PM2.5 Total including PM2.5 Exhaust (on and off-road), Fugitive Dust from Demolition, Site Preparation and Grading, as well as brake wear, tire wear and re-entrained road dust.

*PM2.5 Emissions are modeled for the maximum annual emissions: from 7/13/2026-7/12/2027.

It includes all of the demolition, site prepration, grading, and off-site (linear) improvements and 2027 building construction emissions from 1/1/2027-7/12/2027 (52% of 2027 Building Construction)

	Worker	Vendor	Haul
CalEEMod Distance (miles)	11.7	8.4	20
Roadways Included within 1,000 ft	1.48	1.48	1.48
Roadway Emissions included	13%	18%	7%

Off-site Roadway PM2.5T (lbs)	Off-Site PM2.5 (lbs) within 1,000 ft Roadways		
	Worker	Vendor	Haul
18.027	8.33	5.41	4.28

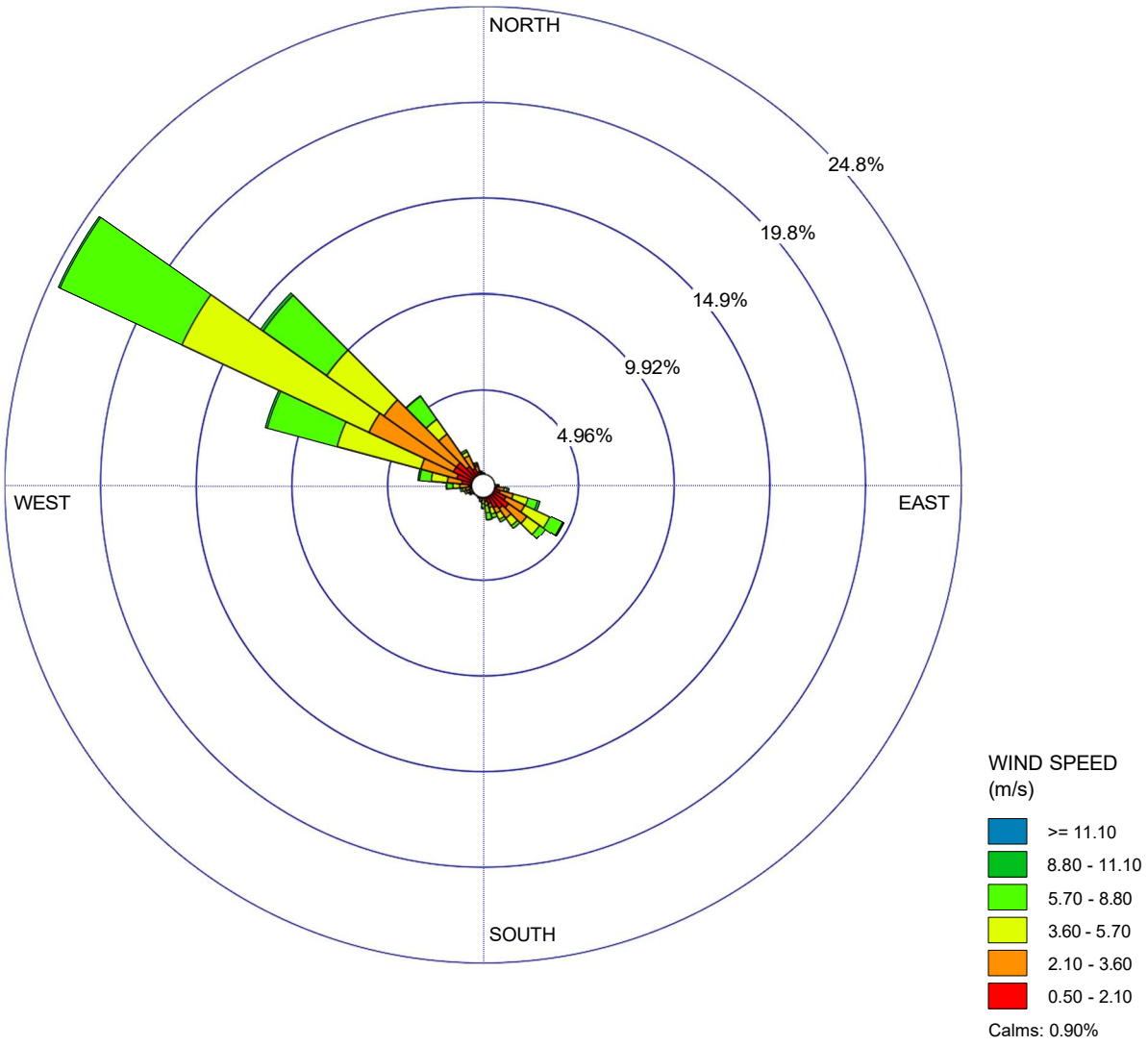
Source	acres/miles	lbs	lb/hr
Project Site	23.71	140.72	0.067
Off-Site Improvements	1.00	13.03	0.0062
Roadway 1	0.88	10.765	5.16E-03
Roadway 2	0.59	7.262	3.48E-03

WIND ROSE PLOT:

San Jose International Airport - KSJC
Wind Direction during Construction Hours

DISPLAY:

Wind Speed
Direction (blowing from)



COMMENTS:

Wind Rose is generated just for the hours with emissions when construction would occur or from 8 AM – 5 PM. This corresponds to the modeling hours in AERMOD.

DATA PERIOD:

Start Date: 1/1/2013 - 08:00
End Date: 12/31/2017 - 17:00

CALM WINDS:

0.90%

AVG. WIND SPEED:

3.77 m/s

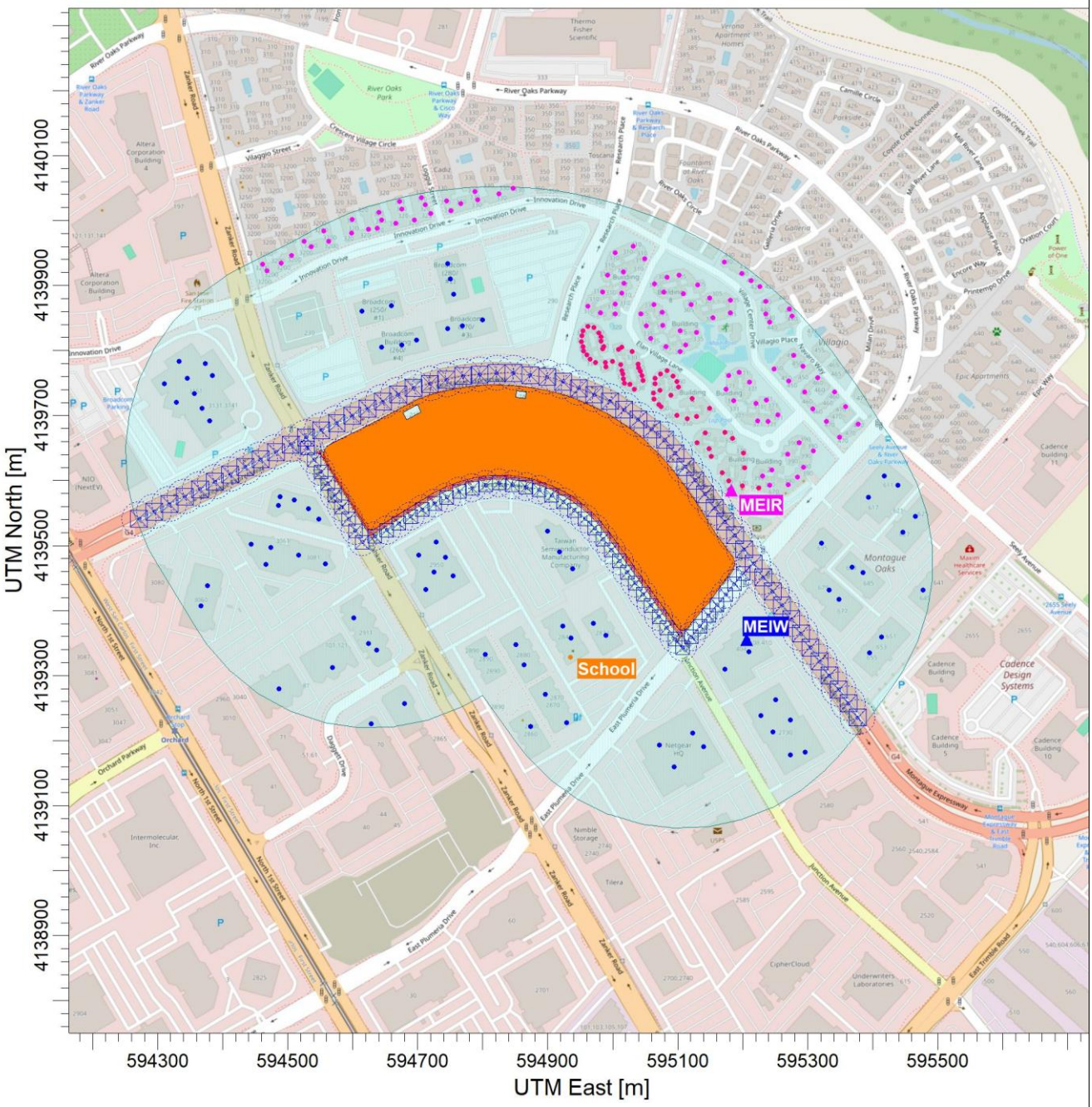
How to Read a Wind Rose Diagram

The wind rose above shows the general wind direction and speed for the meteorological data set used in the AERMOD modeling for the project.'

The circular format of the wind rose shows the direction the winds blew from and the length of each "spoke" around the circle shows how often the wind blew from that direction.

WRPLOT View - Lakes Environmental Software

Montague Point Industrial Project
Construction HRA - Source and Receptor Locations



Source Legend:

Site

Area Source

Truck Route

Receptor Legend:

- Residential Receptor
- Nearby Residential Receptor
- Non-Residential Receptor
- School Receptor
- Maximally Exposed Individual Resident (MEIR)
- Maximally Exposed Individual Worker (MEIW)

FCS
An ADEC Innovation

Control Pathway

AERMOD

Dispersion Options

Titles

Montague Point Industrial Project
Construction Health Risk Assessment

Dispersion Options

☑ Regulatory Default ☐ Non-Default Options

Dispersion Coefficient

Urban

Population:
Name (Optional):
Roughness Length:

Output Type

☑ Concentration
☐ Total Deposition (Dry & Wet)
☐ Dry Deposition
☐ Wet Deposition

Plume Depletion

☐ Dry Removal
☐ Wet Removal

Output Warnings

☐ No Output Warnings
☐ Non-fatal Warnings for Non-sequential Met Data

Pollutant / Averaging Time / Terrain Options

Pollutant Type

PM10

Averaging Time Options

Hours ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 6 ☐ 8 ☐ 12 ☐ 24

☐ Month ☑ Period ☐ Annual

Exponential Decay

Half-life of 4 hrs will be used

Terrain Height Options

☐ Flat ☑ Elevated

SO: Meters
RE: Meters
TG: Meters

Flagpole Receptors

☐ Yes ☑ No

Default Height = 0.00 m

Control Pathway

Optional Files

☐ Re-Start File	☐ Init File	☐ Multi-Year Analyses	☐ Event Input File	☒ Error Listing File

Detailed Error Listing File

Filename: ConHRA.err

Source Pathway - Source Inputs

AERMOD

Source Pathway - Source Inputs

Polygon Area Sources

Source Type: AREA POLY

Source: SITE_DPM

Base Elevation (Optional)	Release Height [m]	Emission Rate [g/ (s-m^2)]	Initial Vertical Dim. [m]	Number of Vertices (or sides)	X Coordinate for Vertices [m]	Y Coordinate for Vertices [m]
5.78	5.00	8.27E-8	1.40	36	594555.76	4139636.24
		8.27E-8			594618.70	4139532.90
		8.27E-8			594624.14	4139525.13
		8.27E-8			594631.91	4139525.91
		8.27E-8			594642.01	4139531.35
		8.27E-8			594719.71	4139578.74
		8.27E-8			594760.88	4139598.17
		8.27E-8			594795.85	4139606.71
		8.27E-8			594835.47	4139608.27
		8.27E-8			594872.77	4139603.61
		8.27E-8			594913.95	4139588.84
		8.27E-8			594941.92	4139574.08
		8.27E-8			594969.89	4139549.99
		8.27E-8			595013.40	4139494.83
		8.27E-8			595087.99	4139389.16
		8.27E-8			595101.20	4139372.07
		8.27E-8			595107.42	4139368.96
		8.27E-8			595188.22	4139467.63
		8.27E-8			595188.22	4139471.52
		8.27E-8			595187.44	4139476.18
		8.27E-8			595185.11	4139480.84
		8.27E-8			595119.85	4139581.85
		8.27E-8			595081.78	4139629.25
		8.27E-8			595039.04	4139672.76
		8.27E-8			594997.09	4139700.04
		8.27E-8			594931.04	4139731.03
		8.27E-8			594875.10	4139743.55
		8.27E-8			594812.17	4139747.35
		8.27E-8			594774.87	4139745.79
		8.27E-8			594740.68	4139738.80

Source Pathway - Source Inputs

Source Type: AREA POLY
Source: SITE_DPM

Base Elevation (Optional)	Release Height [m]	Emission Rate [g/ (s-m^2)]	Initial Vertical Dim. [m]	Number of Vertices (or sides)	X Coordinate for Vertices [m]	Y Coordinate for Vertices [m]
		8.27E-8			594718.15	4139732.58
		8.27E-8			594684.74	4139717.82
		8.27E-8			594603.94	4139675.22
		8.27E-8			594568.19	4139657.99
		8.27E-8			594565.09	4139655.66
		8.27E-8			594558.09	4139650.22

Source Pathway - Source Inputs

AERMOD

Source Type: AREA POLY
Source: SITE_PM2.5

Base Elevation (Optional)	Release Height [m]	Emission Rate [g/ (s-m^2)]	Initial Vertical Dim. [m]	Number of Vertices (or sides)	X Coordinate for Vertices [m]	Y Coordinate for Vertices [m]
5.78	5.00	8.80E-8	1.40	36	594555.76	4139636.24
		8.80E-8			594618.70	4139532.90
		8.80E-8			594624.14	4139525.13
		8.80E-8			594631.91	4139525.91
		8.80E-8			594642.01	4139531.35
		8.80E-8			594719.71	4139578.74
		8.80E-8			594760.88	4139598.17
		8.80E-8			594795.85	4139606.71
		8.80E-8			594835.47	4139608.27
		8.80E-8			594872.77	4139603.61
		8.80E-8			594913.95	4139588.84
		8.80E-8			594941.92	4139574.08
		8.80E-8			594969.89	4139549.99
		8.80E-8			595013.40	4139494.83
		8.80E-8			595087.99	4139389.16
		8.80E-8			595101.20	4139372.07
		8.80E-8			595107.42	4139368.96
		8.80E-8			595188.22	4139467.63
		8.80E-8			595188.22	4139471.52
		8.80E-8			595187.44	4139476.18
		8.80E-8			595185.11	4139480.84
		8.80E-8			595119.85	4139581.85
		8.80E-8			595081.78	4139629.25
		8.80E-8			595039.04	4139672.76
		8.80E-8			594997.09	4139700.04
		8.80E-8			594931.04	4139731.03
		8.80E-8			594875.10	4139743.55
		8.80E-8			594812.17	4139747.35
		8.80E-8			594774.87	4139745.79
		8.80E-8			594740.68	4139738.80
		8.80E-8			594718.15	4139732.58

Source Pathway - Source Inputs

Source Type: AREA POLY
Source: SITE_PM2.5

Base Elevation (Optional)	Release Height [m]	Emission Rate [g/ (s-m^2)]	Initial Vertical Dim. [m]	Number of Vertices (or sides)	X Coordinate for Vertices [m]	Y Coordinate for Vertices [m]
5.78	5.00	8.80E-8	1.40	36	594684.74	4139717.82
		8.80E-8			594603.94	4139675.22
		8.80E-8			594568.19	4139657.99
		8.80E-8			594565.09	4139655.66
		8.80E-8			594558.09	4139650.22

Source Pathway - Source Inputs

Line Volume Sources

Source Type: LINE VOLUME
Source: ROAD1_DPM

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
26.00	0.00005		595384.11	4139224.84	8.91	3.40
			595281.40	4139376.67	8.51	3.40
			595186.14	4139518.07	8.20	3.40
			595108.73	4139625.24	7.90	3.40
			595077.48	4139666.92	7.82	3.40
			595003.05	4139719.02	7.55	3.40
			594910.76	4139757.72	7.34	3.40
			594837.83	4139766.65	7.17	3.40
			594767.87	4139760.70	7.04	3.40
			594688.98	4139741.35	6.91	3.40
			594513.34	4139659.48	6.45	3.40
			594270.71	4139540.40	6.01	3.40

Source Type: LINE VOLUME
Source: ROAD1_PM25

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
26.00	0.00065		595384.11	4139224.84	8.91	3.40
			595281.40	4139376.67	8.51	3.40
			595186.14	4139518.07	8.20	3.40
			595108.73	4139625.24	7.90	3.40
			595077.48	4139666.92	7.82	3.40
			595003.05	4139719.02	7.55	3.40
			594910.76	4139757.72	7.34	3.40
			594837.83	4139766.65	7.17	3.40
			594767.87	4139760.70	7.04	3.40
			594688.98	4139741.35	6.91	3.40
			594513.34	4139659.48	6.45	3.40
			594270.71	4139540.40	6.01	3.40

Source Pathway - Source Inputs

Source Type: LINE VOLUME
Source: ROAD2_DPM

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
21.00	0.00004		594525.13	4139659.18	0.00	3.40
			594614.66	4139505.23	0.00	3.40
			594647.41	4139520.52	0.00	3.40
			594712.92	4139558.73	0.00	3.40
			594767.51	4139584.93	0.00	3.40
			594821.01	4139596.94	0.00	3.40
			594881.06	4139588.21	0.00	3.40
			594918.18	4139571.83	0.00	3.40
			594966.22	4139534.71	0.00	3.40
			595005.52	4139483.40	0.00	3.40
			595074.31	4139386.23	0.00	3.40
			595105.97	4139341.46	0.00	3.40
			595200.95	4139458.29	0.00	3.40

Source Pathway - Source Inputs

Source Type: LINE VOLUME
Source: ROAD2_PM25

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
21.00	0.00044		594525.13	4139659.18	0.00	3.40
			594614.66	4139505.23	0.00	3.40
			594647.41	4139520.52	0.00	3.40
			594712.92	4139558.73	0.00	3.40
			594767.51	4139584.93	0.00	3.40
			594821.01	4139596.94	0.00	3.40
			594881.06	4139588.21	0.00	3.40
			594918.18	4139571.83	0.00	3.40
			594966.22	4139534.71	0.00	3.40
			595005.52	4139483.40	0.00	3.40
			595074.31	4139386.23	0.00	3.40
			595105.97	4139341.46	0.00	3.40
			595200.95	4139458.29	0.00	3.40

Source Pathway - Source Inputs

Volume Sources Generated from Line Sources

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ROAD1_PM25	L0000056	595376.82	4139235.61	8.89	3.40	0.00001	26.00		12.09	3.16
	L0000057	595362.25	4139257.14	8.83	3.40	0.00001	26.00		12.09	3.16
	L0000058	595347.69	4139278.68	8.76	3.40	0.00001	26.00		12.09	3.16
	L0000059	595333.12	4139300.21	8.69	3.40	0.00001	26.00		12.09	3.16
	L0000060	595318.55	4139321.75	8.66	3.40	0.00001	26.00		12.09	3.16
	L0000061	595303.98	4139343.28	8.64	3.40	0.00001	26.00		12.09	3.16
	L0000062	595289.41	4139364.82	8.57	3.40	0.00001	26.00		12.09	3.16
	L0000063	595274.86	4139386.37	8.51	3.40	0.00001	26.00		12.09	3.16
	L0000064	595260.34	4139407.93	8.44	3.40	0.00001	26.00		12.09	3.16
	L0000065	595245.81	4139429.49	8.40	3.40	0.00001	26.00		12.09	3.16
	L0000066	595231.28	4139451.06	8.35	3.40	0.00001	26.00		12.09	3.16
	L0000067	595216.76	4139472.62	8.29	3.40	0.00001	26.00		12.09	3.16
	L0000068	595202.23	4139494.18	8.21	3.40	0.00001	26.00		12.09	3.16
	L0000069	595187.70	4139515.75	8.19	3.40	0.00001	26.00		12.09	3.16
	L0000070	595172.56	4139536.88	8.12	3.40	0.00001	26.00		12.09	3.16
	L0000071	595157.33	4139557.95	8.08	3.40	0.00001	26.00		12.09	3.16
	L0000072	595142.11	4139579.03	8.03	3.40	0.00001	26.00		12.09	3.16
	L0000073	595126.89	4139600.11	8.00	3.40	0.00001	26.00		12.09	3.16
	L0000074	595111.66	4139621.19	7.94	3.40	0.00001	26.00		12.09	3.16
	L0000075	595096.14	4139642.04	7.91	3.40	0.00001	26.00		12.09	3.16
	L0000076	595080.54	4139662.84	7.85	3.40	0.00001	26.00		12.09	3.16
	L0000077	595060.36	4139678.91	7.76	3.40	0.00001	26.00		12.09	3.16
	L0000078	595039.06	4139693.82	7.70	3.40	0.00001	26.00		12.09	3.16
	L0000079	595017.76	4139708.73	7.64	3.40	0.00001	26.00		12.09	3.16

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ROAD1_PM25	L0000080	594995.63	4139722.13	7.60	3.40	0.00001	26.00		12.09	3.16
	L0000081	594971.65	4139732.19	7.51	3.40	0.00001	26.00		12.09	3.16
	L0000082	594947.67	4139742.24	7.47	3.40	0.00001	26.00		12.09	3.16
	L0000083	594923.69	4139752.30	7.42	3.40	0.00001	26.00		12.09	3.16
	L0000084	594898.87	4139759.18	7.33	3.40	0.00001	26.00		12.09	3.16
	L0000085	594873.07	4139762.34	7.28	3.40	0.00001	26.00		12.09	3.16
	L0000086	594847.26	4139765.50	7.21	3.40	0.00001	26.00		12.09	3.16
	L0000087	594821.39	4139765.25	7.14	3.40	0.00001	26.00		12.09	3.16
	L0000088	594795.48	4139763.05	7.06	3.40	0.00001	26.00		12.09	3.16
	L0000089	594769.58	4139760.84	7.04	3.40	0.00001	26.00		12.09	3.16
	L0000090	594744.28	4139754.91	6.95	3.40	0.00001	26.00		12.09	3.16
	L0000091	594719.03	4139748.72	6.93	3.40	0.00001	26.00		12.09	3.16
	L0000092	594693.78	4139742.52	6.89	3.40	0.00001	26.00		12.09	3.16
	L0000093	594669.89	4139732.45	6.84	3.40	0.00001	26.00		12.09	3.16
	L0000094	594646.33	4139721.47	6.81	3.40	0.00001	26.00		12.09	3.16
	L0000095	594622.76	4139710.48	6.74	3.40	0.00001	26.00		12.09	3.16
	L0000096	594599.20	4139699.50	6.69	3.40	0.00001	26.00		12.09	3.16
	L0000097	594575.63	4139688.52	6.66	3.40	0.00001	26.00		12.09	3.16
	L0000098	594552.06	4139677.53	6.62	3.40	0.00001	26.00		12.09	3.16
	L0000099	594528.50	4139666.55	6.53	3.40	0.00001	26.00		12.09	3.16
	L0000100	594505.01	4139655.39	6.51	3.40	0.00001	26.00		12.09	3.16
	L0000101	594481.67	4139643.94	6.44	3.40	0.00001	26.00		12.09	3.16
	L0000102	594458.33	4139632.48	6.42	3.40	0.00001	26.00		12.09	3.16
	L0000103	594434.99	4139621.03	6.37	3.40	0.00001	26.00		12.09	3.16
	L0000104	594411.65	4139609.57	6.33	3.40	0.00001	26.00		12.09	3.16

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ROAD1_PM25	L0000105	594388.31	4139598.12	6.27	3.40	0.00001	26.00		12.09	3.16
	L0000106	594364.97	4139586.66	6.20	3.40	0.00001	26.00		12.09	3.16
	L0000107	594341.63	4139575.21	6.17	3.40	0.00001	26.00		12.09	3.16
	L0000108	594318.29	4139563.75	6.13	3.40	0.00001	26.00		12.09	3.16
	L0000109	594294.95	4139552.30	6.09	3.40	0.00001	26.00		12.09	3.16
	L0000110	594271.61	4139540.84	6.04	3.40	0.00001	26.00		12.09	3.16

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ROAD1_DPM	L0000111	595376.82	4139235.61	8.89	3.40	9.39E-7	26.00		12.09	3.16
	L0000112	595362.25	4139257.14	8.83	3.40	9.39E-7	26.00		12.09	3.16
	L0000113	595347.69	4139278.68	8.76	3.40	9.39E-7	26.00		12.09	3.16
	L0000114	595333.12	4139300.21	8.69	3.40	9.39E-7	26.00		12.09	3.16
	L0000115	595318.55	4139321.75	8.66	3.40	9.39E-7	26.00		12.09	3.16
	L0000116	595303.98	4139343.28	8.64	3.40	9.39E-7	26.00		12.09	3.16
	L0000117	595289.41	4139364.82	8.57	3.40	9.39E-7	26.00		12.09	3.16
	L0000118	595274.86	4139386.37	8.51	3.40	9.39E-7	26.00		12.09	3.16
	L0000119	595260.34	4139407.93	8.44	3.40	9.39E-7	26.00		12.09	3.16
	L0000120	595245.81	4139429.49	8.40	3.40	9.39E-7	26.00		12.09	3.16
	L0000121	595231.28	4139451.06	8.35	3.40	9.39E-7	26.00		12.09	3.16
	L0000122	595216.76	4139472.62	8.29	3.40	9.39E-7	26.00		12.09	3.16
	L0000123	595202.23	4139494.18	8.21	3.40	9.39E-7	26.00		12.09	3.16
	L0000124	595187.70	4139515.75	8.19	3.40	9.39E-7	26.00		12.09	3.16
	L0000125	595172.56	4139536.88	8.12	3.40	9.39E-7	26.00		12.09	3.16
	L0000126	595157.33	4139557.95	8.08	3.40	9.39E-7	26.00		12.09	3.16
	L0000127	595142.11	4139579.03	8.03	3.40	9.39E-7	26.00		12.09	3.16

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ROAD1_DPM	L0000128	595126.89	4139600.11	8.00	3.40	9.39E-7	26.00		12.09	3.16
	L0000129	595111.66	4139621.19	7.94	3.40	9.39E-7	26.00		12.09	3.16
	L0000130	595096.14	4139642.04	7.91	3.40	9.39E-7	26.00		12.09	3.16
	L0000131	595080.54	4139662.84	7.85	3.40	9.39E-7	26.00		12.09	3.16
	L0000132	595060.36	4139678.91	7.76	3.40	9.39E-7	26.00		12.09	3.16
	L0000133	595039.06	4139693.82	7.70	3.40	9.39E-7	26.00		12.09	3.16
	L0000134	595017.76	4139708.73	7.64	3.40	9.39E-7	26.00		12.09	3.16
	L0000135	594995.63	4139722.13	7.60	3.40	9.39E-7	26.00		12.09	3.16
	L0000136	594971.65	4139732.19	7.51	3.40	9.39E-7	26.00		12.09	3.16
	L0000137	594947.67	4139742.24	7.47	3.40	9.39E-7	26.00		12.09	3.16
	L0000138	594923.69	4139752.30	7.42	3.40	9.39E-7	26.00		12.09	3.16
	L0000139	594898.87	4139759.18	7.33	3.40	9.39E-7	26.00		12.09	3.16
	L0000140	594873.07	4139762.34	7.28	3.40	9.39E-7	26.00		12.09	3.16
	L0000141	594847.26	4139765.50	7.21	3.40	9.39E-7	26.00		12.09	3.16
	L0000142	594821.39	4139765.25	7.14	3.40	9.39E-7	26.00		12.09	3.16
	L0000143	594795.48	4139763.05	7.06	3.40	9.39E-7	26.00		12.09	3.16
	L0000144	594769.58	4139760.84	7.04	3.40	9.39E-7	26.00		12.09	3.16
	L0000145	594744.28	4139754.91	6.95	3.40	9.39E-7	26.00		12.09	3.16
	L0000146	594719.03	4139748.72	6.93	3.40	9.39E-7	26.00		12.09	3.16
	L0000147	594693.78	4139742.52	6.89	3.40	9.39E-7	26.00		12.09	3.16
	L0000148	594669.89	4139732.45	6.84	3.40	9.39E-7	26.00		12.09	3.16
	L0000149	594646.33	4139721.47	6.81	3.40	9.39E-7	26.00		12.09	3.16
	L0000150	594622.76	4139710.48	6.74	3.40	9.39E-7	26.00		12.09	3.16
	L0000151	594599.20	4139699.50	6.69	3.40	9.39E-7	26.00		12.09	3.16
	L0000152	594575.63	4139688.52	6.66	3.40	9.39E-7	26.00		12.09	3.16

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ROAD1_DPM	L0000153	594552.06	4139677.53	6.62	3.40	9.39E-7	26.00		12.09	3.16
	L0000154	594528.50	4139666.55	6.53	3.40	9.39E-7	26.00		12.09	3.16
	L0000155	594505.01	4139655.39	6.51	3.40	9.39E-7	26.00		12.09	3.16
	L0000156	594481.67	4139643.94	6.44	3.40	9.39E-7	26.00		12.09	3.16
	L0000157	594458.33	4139632.48	6.42	3.40	9.39E-7	26.00		12.09	3.16
	L0000158	594434.99	4139621.03	6.37	3.40	9.39E-7	26.00		12.09	3.16
	L0000159	594411.65	4139609.57	6.33	3.40	9.39E-7	26.00		12.09	3.16
	L0000160	594388.31	4139598.12	6.27	3.40	9.39E-7	26.00		12.09	3.16
	L0000161	594364.97	4139586.66	6.20	3.40	9.39E-7	26.00		12.09	3.16
	L0000162	594341.63	4139575.21	6.17	3.40	9.39E-7	26.00		12.09	3.16
	L0000163	594318.29	4139563.75	6.13	3.40	9.39E-7	26.00		12.09	3.16
	L0000164	594294.95	4139552.30	6.09	3.40	9.39E-7	26.00		12.09	3.16
	L0000165	594271.61	4139540.84	6.04	3.40	9.39E-7	26.00		12.09	3.16

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ROAD2_DPM	L0000258	594530.41	4139650.10	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000259	594540.97	4139631.95	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000260	594551.52	4139613.79	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000261	594562.08	4139595.64	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000262	594572.64	4139577.49	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000263	594583.20	4139559.33	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000264	594593.75	4139541.18	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000265	594604.31	4139523.03	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000266	594615.03	4139505.41	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000267	594634.06	4139514.29	0.00	3.40	7.67E-7	21.00		9.77	3.16

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ROAD2_DPM	L0000268	594652.83	4139523.68	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000269	594670.97	4139534.26	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000270	594689.11	4139544.84	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000271	594707.25	4139555.42	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000272	594725.93	4139564.98	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000273	594744.86	4139574.06	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000274	594763.79	4139583.15	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000275	594783.98	4139588.63	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000276	594804.47	4139593.23	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000277	594825.02	4139596.36	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000278	594845.80	4139593.34	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000279	594866.58	4139590.32	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000280	594886.88	4139585.64	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000281	594906.10	4139577.16	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000282	594924.35	4139567.07	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000283	594940.96	4139554.23	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000284	594957.58	4139541.38	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000285	594972.35	4139526.70	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000286	594985.12	4139510.03	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000287	594997.89	4139493.36	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000288	595010.40	4139476.50	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000289	595022.54	4139459.36	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000290	595034.67	4139442.22	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000291	595046.80	4139425.08	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000292	595058.93	4139407.94	0.00	3.40	7.67E-7	21.00		9.77	3.16

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ROAD2_DPM	L0000293	595071.07	4139390.80	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000294	595083.20	4139373.66	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000295	595095.32	4139356.51	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000296	595107.59	4139343.45	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000297	595120.83	4139359.75	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000298	595134.08	4139376.04	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000299	595147.33	4139392.34	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000300	595160.58	4139408.63	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000301	595173.83	4139424.92	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000302	595187.08	4139441.22	0.00	3.40	7.67E-7	21.00		9.77	3.16
	L0000303	595200.32	4139457.51	0.00	3.40	7.67E-7	21.00		9.77	3.16

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ROAD2_PM25	L0000304	594530.41	4139650.10	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000305	594540.97	4139631.95	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000306	594551.52	4139613.79	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000307	594562.08	4139595.64	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000308	594572.64	4139577.49	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000309	594583.20	4139559.33	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000310	594593.75	4139541.18	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000311	594604.31	4139523.03	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000312	594615.03	4139505.41	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000313	594634.06	4139514.29	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000314	594652.83	4139523.68	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000315	594670.97	4139534.26	0.00	3.40	9.53E-6	21.00		9.77	3.16

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ROAD2_PM25	L0000316	594689.11	4139544.84	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000317	594707.25	4139555.42	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000318	594725.93	4139564.98	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000319	594744.86	4139574.06	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000320	594763.79	4139583.15	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000321	594783.98	4139588.63	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000322	594804.47	4139593.23	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000323	594825.02	4139596.36	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000324	594845.80	4139593.34	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000325	594866.58	4139590.32	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000326	594886.88	4139585.64	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000327	594906.10	4139577.16	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000328	594924.35	4139567.07	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000329	594940.96	4139554.23	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000330	594957.58	4139541.38	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000331	594972.35	4139526.70	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000332	594985.12	4139510.03	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000333	594997.89	4139493.36	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000334	595010.40	4139476.50	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000335	595022.54	4139459.36	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000336	595034.67	4139442.22	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000337	595046.80	4139425.08	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000338	595058.93	4139407.94	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000339	595071.07	4139390.80	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000340	595083.20	4139373.66	0.00	3.40	9.53E-6	21.00		9.77	3.16

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ROAD2_PM25	L0000341	595095.32	4139356.51	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000342	595107.59	4139343.45	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000343	595120.83	4139359.75	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000344	595134.08	4139376.04	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000345	595147.33	4139392.34	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000346	595160.58	4139408.63	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000347	595173.83	4139424.92	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000348	595187.08	4139441.22	0.00	3.40	9.53E-6	21.00		9.77	3.16
	L0000349	595200.32	4139457.51	0.00	3.40	9.53E-6	21.00		9.77	3.16

Source Pathway - Source Inputs

Line Area Sources

Source Type: LINE AREA

Source: OFFSITE_DPM (OffSite Improvements)

Length of Side [m]	Emission Rate [g/ (s-m^2)]	Initial Vertical Dimension [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
5.33	1.28E-7	1.00	594549.15	4139644.43	5.97	0.00
			594627.87	4139516.67	5.90	0.00
			594684.30	4139552.88	6.10	0.00
			594722.30	4139575.85	6.20	0.00
			594749.81	4139590.48	6.38	0.00
			594777.51	4139599.49	6.12	0.00
			594804.52	4139603.80	6.17	0.00
			594837.80	4139605.86	6.52	0.00
			594887.14	4139597.51	6.51	0.00
			594940.64	4139571.09	6.54	0.00
			594969.70	4139546.65	6.56	0.00
			594996.70	4139511.89	6.73	0.00
			595022.53	4139478.63	6.98	0.00
			595091.88	4139378.90	7.38	0.00
			595105.75	4139362.39	7.24	0.00

Source Pathway - Source Inputs

Source Type: LINE AREA

Source: OFFSITE_PM25 (OffSite Improvements - PM2.5)

Length of Side [m]	Emission Rate [g/ (s-m^2)]	Initial Vertical Dimension [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
5.33	1.93E-7	1.00	594549.15	4139644.43	5.97	0.00
			594627.87	4139516.67	5.90	0.00
			594684.30	4139552.88	6.10	0.00
			594722.30	4139575.85	6.20	0.00
			594749.81	4139590.48	6.38	0.00
			594777.51	4139599.49	6.12	0.00
			594804.52	4139603.80	6.17	0.00
			594837.80	4139605.86	6.52	0.00
			594887.14	4139597.51	6.51	0.00
			594940.64	4139571.09	6.54	0.00
			594969.70	4139546.65	6.56	0.00
			594996.70	4139511.89	6.73	0.00
			595022.53	4139478.63	6.98	0.00
			595091.88	4139378.90	7.38	0.00
			595105.75	4139362.39	7.24	0.00

Source Pathway - Source Inputs

Area Sources Generated from Line Sources

Line Source ID	Area Source ID	X Coordinate [m]	Y Coordinate [m]	Release Height [m]	Length of Side [m]	Angle [deg]	Base Elevation [m]	Initial Sigma Z [m]
OFFSITE_DPM	A0000001	594546.88	4139643.04	0.00	50.02	58.36	5.96	1.00
	A0000002	594573.12	4139600.45	0.00	50.02	58.36	5.73	1.00
	A0000003	594599.36	4139557.86	0.00	50.02	58.36	5.87	1.00
	A0000004	594629.31	4139514.43	0.00	33.52	327.31	5.82	1.00
	A0000005	594657.53	4139532.53	0.00	33.52	327.31	5.93	1.00
	A0000006	594685.68	4139550.60	0.00	44.40	328.84	6.11	1.00
	A0000007	594723.55	4139573.50	0.00	31.16	332.01	6.18	1.00
	A0000008	594750.64	4139587.94	0.00	29.13	341.98	6.26	1.00
	A0000009	594777.93	4139596.86	0.00	27.35	350.92	6.15	1.00
	A0000010	594804.69	4139601.14	0.00	33.34	356.46	6.15	1.00
	A0000011	594837.35	4139603.23	0.00	50.05	9.61	6.47	1.00
	A0000012	594885.96	4139595.12	0.00	29.83	26.28	6.53	1.00
	A0000013	594912.71	4139581.91	0.00	29.83	26.28	6.23	1.00
	A0000014	594938.92	4139569.05	0.00	37.97	40.06	6.42	1.00
	A0000015	594967.59	4139545.02	0.00	44.02	52.16	6.51	1.00
	A0000016	594994.59	4139510.25	0.00	42.11	52.16	6.68	1.00
	A0000017	595020.34	4139477.11	0.00	40.49	55.19	6.92	1.00
	A0000018	595043.46	4139443.87	0.00	40.49	55.19	7.05	1.00
	A0000019	595066.57	4139410.62	0.00	40.49	55.19	7.23	1.00
	A0000020	595089.84	4139377.19	0.00	21.56	49.97	7.36	1.00

Line Source ID	Area Source ID	X Coordinate [m]	Y Coordinate [m]	Release Height [m]	Length of Side [m]	Angle [deg]	Base Elevation [m]	Initial Sigma Z [m]
OFFSITE_PM25	A0000021	594546.88	4139643.04	0.00	50.02	58.36	5.96	1.00
	A0000022	594573.12	4139600.45	0.00	50.02	58.36	5.73	1.00

Source Pathway - Source Inputs

AERMOD

Line Source ID	Area Source ID	X Coordinate [m]	Y Coordinate [m]	Release Height [m]	Length of Side [m]	Angle [deg]	Base Elevation [m]	Initial Sigma Z [m]
OFFSITE_PM25	A0000023	594599.36	4139557.86	0.00	50.02	58.36	5.87	1.00
	A0000024	594629.31	4139514.43	0.00	33.52	327.31	5.82	1.00
	A0000025	594657.53	4139532.53	0.00	33.52	327.31	5.93	1.00
	A0000026	594685.68	4139550.60	0.00	44.40	328.84	6.11	1.00
	A0000027	594723.55	4139573.50	0.00	31.16	332.01	6.18	1.00
	A0000028	594750.64	4139587.94	0.00	29.13	341.98	6.26	1.00
	A0000029	594777.93	4139596.86	0.00	27.35	350.92	6.15	1.00
	A0000030	594804.69	4139601.14	0.00	33.34	356.46	6.15	1.00
	A0000031	594837.35	4139603.23	0.00	50.05	9.61	6.47	1.00
	A0000032	594885.96	4139595.12	0.00	29.83	26.28	6.53	1.00
	A0000033	594912.71	4139581.91	0.00	29.83	26.28	6.23	1.00
	A0000034	594938.92	4139569.05	0.00	37.97	40.06	6.42	1.00
	A0000035	594967.59	4139545.02	0.00	44.02	52.16	6.51	1.00
	A0000036	594994.59	4139510.25	0.00	42.11	52.16	6.68	1.00
	A0000037	595020.34	4139477.11	0.00	40.49	55.19	6.92	1.00
	A0000038	595043.46	4139443.87	0.00	40.49	55.19	7.05	1.00
	A0000039	595066.57	4139410.62	0.00	40.49	55.19	7.23	1.00
	A0000040	595089.84	4139377.19	0.00	21.56	49.97	7.36	1.00

Source Pathway

Building Downwash Information

Option not in use

Emission Rate Units for Output

For Concentration

Unit Factor:	1E6
Emission Unit Label:	GRAMS/SEC
Concentration Unit Label:	MICROGRAMS/M**3

Source Groups

Source Group ID: PM2.5	List of Sources in Group (Source Range or Single Sources)
	SITE_PM2.5
	ROAD1_PM25
	OFFSITE_PM25
	ROAD2_PM25

Source Group ID: DPM	List of Sources in Group (Source Range or Single Sources)
	SITE_DPM
	ROAD1_DPM
	OFFSITE_DPM
	ROAD2_DPM

Source Group ID: ALL	List of Sources in Group (Source Range or Single Sources)
	All Sources Included

Variable Emissions

Hour-of-Day / Day-of-Week Emission Rate Variation

Scenario: Scenario 1

Source ID: SITE_DPM

Weekdays							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	0.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: SITE_PM2.5

Weekdays							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	0.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: OFFSITE_DPM

Weekdays							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	0.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: ROAD1_DPM

Weekdays							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	0.00	1.00	1.00	1.00	1.00	0.00

Source Pathway

AERMOD

Scenario: Scenario 1

Source ID:	**ROAD1_DPM**						
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**ROAD1_PM25**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	0.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**OFFSITE_PM25**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	0.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Source ID:	**ROAD2_DPM**						
Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	0.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00

Source Pathway

Scenario: Scenario 1

Source ID: ROAD2_DPM

Sunday								
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: ROAD2_PM25

Weekdays							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	0.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00

Receptor Pathway

Receptor Networks

Note: Terrain Elavations and Flagpole Heights for Network Grids are in Page RE2 - 1 (If applicable)
Generated Discrete Receptors for Multi-Tier (Risk) Grid and Receptor Locations for Fenceline Grid are in Page RE3 - 1 (If applicable)

Discrete Receptors

Discrete Cartesian Receptors

Record Number	X-Coordinate [m]	Y-Coordinate [m]	Group Name (Optional)	Terrain Elevations	Flagpole Heights [m] (Optional)
1	594989.70	4139775.36	NEAR-RES	9.74	
2	594988.69	4139781.97	NEAR-RES	9.81	
3	594973.43	4139781.97	NEAR-RES	9.66	
4	594965.30	4139787.05	NEAR-RES	9.52	
5	594960.21	4139793.16	NEAR-RES	9.54	
6	594955.13	4139799.26	NEAR-RES	9.53	
7	594954.62	4139806.37	NEAR-RES	9.59	
8	594951.57	4139813.49	NEAR-RES	9.44	
9	594952.59	4139823.15	NEAR-RES	9.48	
10	594954.62	4139830.27	NEAR-RES	9.38	
11	594961.74	4139836.88	NEAR-RES	9.31	
12	594970.89	4139835.36	NEAR-RES	9.51	
13	594978.41	4139827.42	NEAR-RES	9.70	
14	594982.07	4139821.18	NEAR-RES	9.83	
15	594981.97	4139814.43	NEAR-RES	9.88	
16	594986.53	4139806.46	NEAR-RES	9.94	
17	594984.11	4139802.31	NEAR-RES	9.90	
18	594999.87	4139782.99	NEAR-RES	9.77	
19	595014.14	4139805.02	NEAR-RES	9.51	
20	595008.52	4139801.80	NEAR-RES	9.76	
21	595012.11	4139778.10	NEAR-RES	9.51	
22	595014.09	4139769.43	NEAR-RES	9.49	
23	595015.69	4139763.83	NEAR-RES	9.41	
24	595016.55	4139756.80	NEAR-RES	9.38	
25	595017.88	4139749.51	NEAR-RES	9.29	
26	595026.82	4139748.41	NEAR-RES	9.09	
27	595033.43	4139740.79	NEAR-RES	8.70	
28	595065.46	4139748.92	NEAR-RES	8.23	
29	595030.15	4139798.54	NEAR-RES	8.97	
30	595062.92	4139734.68	NEAR-RES	8.84	

31	595063.43	4139725.53	NEAR-RES	9.30
32	595070.55	4139717.40	NEAR-RES	9.75
33	595074.62	4139713.33	NEAR-RES	9.77
34	595039.52	4139773.06	NEAR-RES	8.75
35	595046.92	4139754.16	NEAR-RES	7.91
36	595038.72	4139779.33	NEAR-RES	8.96
37	595072.58	4139738.75	NEAR-RES	9.21
38	595065.46	4139757.56	NEAR-RES	8.19
39	595073.60	4139764.17	NEAR-RES	8.52
40	595083.26	4139769.26	NEAR-RES	8.57
41	595092.41	4139760.61	NEAR-RES	9.15
42	595044.59	4139761.94	NEAR-RES	8.02
43	595042.09	4139768.08	NEAR-RES	8.40
44	595089.36	4139731.12	NEAR-RES	10.58
45	595101.05	4139744.34	NEAR-RES	10.80
46	595099.02	4139751.97	NEAR-RES	10.10
47	594468.18	4139923.01	RES	6.79
48	594489.69	4139934.84	RES	7.67
49	594505.82	4139946.67	RES	7.75
50	594535.94	4139959.58	RES	8.03
51	594562.83	4139968.18	RES	7.56
52	594598.32	4139981.09	RES	7.83
53	594624.13	4139986.47	RES	7.78
54	594638.12	4139988.62	RES	7.56
55	594666.08	4139996.15	RES	7.79
56	594695.12	4140000.45	RES	7.42
57	594719.86	4140011.21	RES	7.39
58	594711.25	4140024.11	RES	8.24
59	594705.88	4140034.87	RES	8.39
60	594672.53	4140029.49	RES	9.41
61	594675.76	4140017.66	RES	9.35
62	594640.27	4140012.28	RES	9.67
63	594644.57	4140000.45	RES	9.28
64	594599.40	4140001.53	RES	9.13
65	594555.30	4139984.32	RES	9.00
66	594525.18	4139968.18	RES	8.84
67	594461.73	4139932.69	RES	6.88
68	594744.60	4140030.57	RES	8.56

69	594751.05	4140015.51	RES	7.29
70	594766.11	4140026.26	RES	8.18
71	594787.62	4140044.55	RES	9.63
72	594791.92	4140031.64	RES	8.35
73	594825.26	4140041.32	RES	8.27
74	594846.77	4140049.93	RES	8.47
75	595098.45	4139700.37	NEAR-RES	9.58
76	595114.58	4139695.00	NEAR-RES	8.66
77	595128.56	4139698.22	NEAR-RES	8.47
78	595149.00	4139711.13	NEAR-RES	8.61
79	595122.11	4139726.19	NEAR-RES	9.87
80	595142.55	4139673.49	NEAR-RES	8.73
81	595129.64	4139658.43	NEAR-RES	9.74
82	595147.92	4139648.75	NEAR-RES	10.15
83	595151.15	4139636.92	NEAR-RES	10.42
84	595184.49	4139664.88	NEAR-RES	10.21
85	595172.66	4139674.56	NEAR-RES	8.95
86	595200.63	4139642.30	NEAR-RES	10.56
87	595168.36	4139612.18	NEAR-RES	10.06
88	595178.04	4139599.27	NEAR-RES	10.01
89	595180.19	4139586.37	NEAR-RES	9.71
90	595199.55	4139591.74	NEAR-RES	9.95
91	595202.78	4139619.71	NEAR-RES	10.71
92	595224.29	4139588.52	NEAR-RES	9.90
93	595230.74	4139606.80	RES	10.23
94	595244.72	4139616.48	RES	10.11
95	595241.50	4139592.82	RES	9.99
96	595269.46	4139593.90	RES	9.91
97	594992.25	4139916.25	RES	9.64
98	595003.64	4139950.42	RES	9.73
99	595031.48	4139960.54	RES	9.65
100	595049.19	4139941.56	RES	9.43
101	595016.29	4139921.31	RES	9.94
102	595017.56	4139903.60	RES	9.86
103	594984.66	4139889.68	RES	9.37
104	594961.88	4139868.17	RES	9.25
105	594980.86	4139858.04	RES	8.68
106	595003.64	4139871.96	RES	8.98

107	595003.64	4139856.78	RES	8.34
108	595013.76	4139888.41	RES	9.39
109	595042.86	4139856.78	RES	9.64
110	595051.72	4139837.80	RES	10.27
111	595058.05	4139818.82	RES	9.52
112	595077.03	4139839.06	RES	11.86
113	595075.76	4139859.31	RES	12.39
114	595063.11	4139870.70	RES	11.16
115	595064.38	4139902.33	RES	9.86
116	595078.29	4139889.68	RES	11.53
117	595083.36	4139912.46	RES	10.57
118	595102.34	4139916.25	RES	10.47
119	595130.18	4139901.07	RES	10.91
120	595108.66	4139887.15	RES	12.50
121	595120.05	4139870.70	RES	11.92
122	595149.16	4139880.82	RES	9.94
123	595180.79	4139877.03	RES	9.74
124	595180.79	4139858.04	RES	9.47
125	595154.22	4139850.45	RES	9.30
126	595103.60	4139830.21	RES	11.86
127	595128.91	4139827.68	RES	9.89
128	595112.46	4139808.69	RES	10.04
129	595103.60	4139798.57	RES	9.14
130	595082.09	4139806.16	RES	9.26
131	595178.26	4139761.88	RES	9.59
132	595174.46	4139740.36	RES	9.70
133	595194.71	4139766.94	RES	9.63
134	595209.89	4139751.75	RES	9.77
135	595185.85	4139722.65	RES	9.59
136	595220.02	4139718.85	RES	9.75
137	595236.47	4139723.91	RES	9.69
138	595222.55	4139692.28	RES	9.56
139	595239.00	4139691.02	RES	9.49
140	595254.18	4139701.14	RES	9.49
141	595269.37	4139640.40	RES	10.78
142	595287.08	4139658.12	RES	10.58
143	595284.41	4139605.17	RES	9.88
144	595308.59	4139645.46	RES	10.41

145	595293.41	4139620.15	RES	10.08
146	595171.93	4139936.50	RES	8.95
147	595198.51	4139918.78	RES	9.04
148	595212.42	4139907.39	RES	8.66
149	595226.34	4139898.54	RES	8.56
150	595235.20	4139875.76	RES	8.78
151	595235.20	4139856.78	RES	9.01
152	595241.53	4139844.13	RES	9.37
153	595271.90	4139864.37	RES	8.70
154	595275.69	4139852.98	RES	8.68
155	595278.22	4139792.25	RES	9.07
156	595247.85	4139772.00	RES	9.15
157	595270.63	4139753.02	RES	9.44
158	595292.14	4139775.80	RES	9.12
159	595314.92	4139758.08	RES	9.53
160	595341.49	4139736.57	RES	9.32
161	595307.33	4139710.00	RES	9.51
162	595294.67	4139736.57	RES	9.93
163	595357.94	4139713.79	RES	9.36
164	595328.84	4139691.02	RES	9.69
165	595349.08	4139666.97	RES	9.80
166	595376.92	4139687.22	RES	9.77
167	594745.83	4139933.59	NON-RES	6.98
168	594750.13	4139909.93	NON-RES	6.84
169	594755.51	4139886.27	NON-RES	6.85
170	594799.61	4139847.54	NON-RES	6.95
171	594768.42	4139837.86	NON-RES	6.94
172	594745.83	4139833.56	NON-RES	6.97
173	594698.50	4139816.35	NON-RES	6.85
174	594675.91	4139808.82	NON-RES	6.91
175	594644.72	4139805.59	NON-RES	6.92
176	594614.60	4139860.45	NON-RES	6.95
177	594659.78	4139869.06	NON-RES	6.80
178	594373.66	4139779.78	NON-RES	6.18
179	594384.42	4139761.49	NON-RES	6.17
180	594332.79	4139783.01	NON-RES	6.19
181	594345.70	4139757.19	NON-RES	6.19
182	594356.45	4139733.53	NON-RES	6.17

183	594368.28	4139710.94	NON-RES	6.15
184	594380.12	4139691.58	NON-RES	6.15
185	594328.49	4139720.62	NON-RES	6.17
186	594310.20	4139748.59	NON-RES	6.05
187	594488.75	4139575.41	NON-RES	7.02
188	594485.53	4139561.43	NON-RES	7.06
189	594510.27	4139570.03	NON-RES	6.97
190	594531.78	4139557.12	NON-RES	7.00
191	594547.91	4139540.99	NON-RES	6.97
192	594557.59	4139472.15	NON-RES	7.05
193	594516.72	4139485.06	NON-RES	6.82
194	594473.70	4139496.89	NON-RES	6.80
195	594443.58	4139502.27	NON-RES	6.66
196	594466.17	4139471.07	NON-RES	6.61
197	594728.62	4139505.49	NON-RES	6.76
198	594701.73	4139485.06	NON-RES	6.82
199	594742.60	4139481.83	NON-RES	6.80
200	594754.43	4139453.86	NON-RES	6.66
201	594725.39	4139459.24	NON-RES	6.81
202	594712.48	4139432.35	NON-RES	6.77
203	594899.64	4139522.70	NON-RES	7.79
204	594917.93	4139490.44	NON-RES	7.78
205	594938.37	4139464.62	NON-RES	7.76
206	594377.08	4139438.11	NON-RES	6.91
207	594366.78	4139407.20	NON-RES	6.91
208	594486.30	4139279.45	NON-RES	6.71
209	594601.69	4139388.66	NON-RES	6.80
210	594624.36	4139349.51	NON-RES	6.81
211	594636.72	4139339.20	NON-RES	6.81
212	594568.72	4139312.42	NON-RES	6.70
213	594680.00	4139256.78	NON-RES	7.19
214	594628.48	4139225.87	NON-RES	6.95
215	594970.54	4139380.42	NON-RES	7.13
216	594989.09	4139361.87	NON-RES	7.10
217	594923.15	4139376.30	NON-RES	7.07
218	594935.51	4139357.75	NON-RES	7.05
219	594851.03	4139347.45	NON-RES	7.03
220	594863.39	4139316.54	NON-RES	6.98

221	594896.36	4139271.20	NON-RES	7.18	
222	594929.33	4139227.93	NON-RES	7.23	
223	594873.70	4139221.75	NON-RES	7.12	
224	594803.63	4139333.02	NON-RES	7.10	
225	595207.52	4139355.69	NON-RES	8.15	
226	595209.58	4139337.14	NON-RES	8.10	
227	595172.49	4139310.36	NON-RES	8.05	
228	595250.79	4139262.96	NON-RES	8.02	
229	595273.46	4139232.05	NON-RES	7.23	
230	595296.12	4139182.60	NON-RES	8.11	
231	595228.12	4139238.23	NON-RES	7.90	
232	595246.67	4139213.51	NON-RES	7.72	
233	595273.46	4139178.48	NON-RES	8.05	
234	595123.03	4139211.45	NON-RES	7.44	
235	595139.52	4139190.84	NON-RES	7.43	
236	595071.52	4139192.90	NON-RES	7.47	
237	595094.18	4139159.93	NON-RES	7.50	
238	595417.70	4139607.09	NON-RES	10.61	
239	595438.31	4139592.66	NON-RES	10.38	
240	595392.97	4139574.12	NON-RES	10.29	
241	595320.85	4139504.05	NON-RES	9.40	
242	595446.55	4139520.54	NON-RES	10.49	
243	595465.09	4139545.27	NON-RES	10.30	
244	595368.25	4139466.96	NON-RES	9.46	
245	595384.73	4139458.72	NON-RES	9.55	
246	595333.21	4139431.93	NON-RES	9.47	
247	595347.64	4139417.51	NON-RES	9.51	
248	595477.46	4139431.93	NON-RES	10.25	
249	595413.58	4139359.81	NON-RES	9.82	
250	595395.03	4139335.08	NON-RES	9.79	
251	594934.61	4139328.69	SCHOOL	7.08	

Plant Boundary Receptors

Receptor Pathway

Receptor Groups

Record Number	Group ID	Group Description
1	RES	Residential
2	NON-RES	Non-Resdidential - Office - Industrial
3	NEAR-RES	Residential - Nearby Receptors
4	SCHOOL	School

Meteorology Pathway

AERMOD

Met Input Data

Surface Met Data

Filename: ..\MET\SANJOSE13_17.SFC
Format Type: Default AERMET format

Profile Met Data

Filename: ..\MET\SANJOSE13_17.PFL
Format Type: Default AERMET format

Wind Speed

☐ Wind Speeds are Vector Mean (Not Scalar Means)

Wind Direction

Rotation Adjustment [deg]:

Potential Temperature Profile

Base Elevation above MSL (for Primary Met Tower): 7.90 [m]

Meteorological Station Data

Stations	Station No.	Year	X Coordinate [m]	Y Coordinate [m]	Station Name
Surface		2013			San Jose International Airport
Upper Air		2013			OAKLAND/WSO AP

Data Period

Data Period to Process

Start Date: 1/1/2013 Start Hour: 1 End Date: 12/31/2017 End Hour: 24

Wind Speed Categories

Stability Category	Wind Speed [m/s]	Stability Category	Wind Speed [m/s]
A	1.54	D	8.23
B	3.09	E	10.8
C	5.14	F	No Upper Bound

Results Summary

Montague Point Industrial Project
Construction Health Risk Assessment

PM10 - Concentration - Source Group: DPM

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.02668	ug/m^3	595207.52	4139355.69	8.15	0.00	8.15	

PM10 - Concentration - Source Group: PM2.5

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.03222	ug/m^3	595207.52	4139355.69	8.15	0.00	8.15	

Sensitive Receptor Summary

Montague Point Industrial Project
Construction Health Risk Assessment

PM10 - Concentration - Source Group: DPM

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00677	ug/m^3		594989.70	4139775.36	9.74	0.00	9.74	
PERIOD		0.00624	ug/m^3		594988.69	4139781.97	9.81	0.00	9.81	
PERIOD		0.00686	ug/m^3		594973.43	4139781.97	9.66	0.00	9.66	
PERIOD		0.00674	ug/m^3		594965.30	4139787.05	9.52	0.00	9.52	
PERIOD		0.00641	ug/m^3		594960.21	4139793.16	9.54	0.00	9.54	
PERIOD		0.00610	ug/m^3		594955.13	4139799.26	9.53	0.00	9.53	
PERIOD		0.00562	ug/m^3		594954.62	4139806.37	9.59	0.00	9.59	
PERIOD		0.00528	ug/m^3		594951.57	4139813.49	9.44	0.00	9.44	
PERIOD		0.00474	ug/m^3		594952.59	4139823.15	9.48	0.00	9.48	
PERIOD		0.00438	ug/m^3		594954.62	4139830.27	9.38	0.00	9.38	
PERIOD		0.00400	ug/m^3		594961.74	4139836.88	9.31	0.00	9.31	
PERIOD		0.00389	ug/m^3		594970.89	4139835.36	9.51	0.00	9.51	
PERIOD		0.00404	ug/m^3		594978.41	4139827.42	9.70	0.00	9.70	
PERIOD		0.00421	ug/m^3		594982.07	4139821.18	9.83	0.00	9.83	
PERIOD		0.00450	ug/m^3		594981.97	4139814.43	9.88	0.00	9.88	
PERIOD		0.00477	ug/m^3		594986.53	4139806.46	9.94	0.00	9.94	
PERIOD		0.00505	ug/m^3		594984.11	4139802.31	9.90	0.00	9.90	
PERIOD		0.00577	ug/m^3		594999.87	4139782.99	9.77	0.00	9.77	
PERIOD		0.00422	ug/m^3		595014.14	4139805.02	9.51	0.00	9.51	
PERIOD		0.00447	ug/m^3		595008.52	4139801.80	9.76	0.00	9.76	

Sensitive Receptor Summary

Montague Point Industrial Project
Construction Health Risk Assessment

PM10 - Concentration - Source Group: DPM

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00570	ug/m^3		595012.11	4139778.10	9.51	0.00	9.51	
PERIOD		0.00627	ug/m^3		595014.09	4139769.43	9.49	0.00	9.49	
PERIOD		0.00668	ug/m^3		595015.69	4139763.83	9.41	0.00	9.41	
PERIOD		0.00732	ug/m^3		595016.55	4139756.80	9.38	0.00	9.38	
PERIOD		0.00810	ug/m^3		595017.88	4139749.51	9.29	0.00	9.29	
PERIOD		0.00770	ug/m^3		595026.82	4139748.41	9.09	0.00	9.09	
PERIOD		0.00828	ug/m^3		595033.43	4139740.79	8.70	0.00	8.70	
PERIOD		0.00575	ug/m^3		595065.46	4139748.92	8.23	0.00	8.23	
PERIOD		0.00415	ug/m^3		595030.15	4139798.54	8.97	0.00	8.97	
PERIOD		0.00703	ug/m^3		595062.92	4139734.68	8.84	0.00	8.84	
PERIOD		0.00796	ug/m^3		595063.43	4139725.53	9.30	0.00	9.30	
PERIOD		0.00841	ug/m^3		595070.55	4139717.40	9.75	0.00	9.75	
PERIOD		0.00865	ug/m^3		595074.62	4139713.33	9.77	0.00	9.77	
PERIOD		0.00514	ug/m^3		595039.52	4139773.06	8.75	0.00	8.75	
PERIOD		0.00622	ug/m^3		595046.92	4139754.16	7.91	0.00	7.91	
PERIOD		0.00480	ug/m^3		595038.72	4139779.33	8.96	0.00	8.96	
PERIOD		0.00609	ug/m^3		595072.58	4139738.75	9.21	0.00	10.11	
PERIOD		0.00519	ug/m^3		595065.46	4139757.56	8.19	0.00	8.19	
PERIOD		0.00453	ug/m^3		595073.60	4139764.17	8.52	0.00	8.52	
PERIOD		0.00403	ug/m^3		595083.26	4139769.26	8.57	0.00	8.57	

Sensitive Receptor Summary

Montague Point Industrial Project
Construction Health Risk Assessment

PM10 - Concentration - Source Group: DPM

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00410	ug/m^3		595092.41	4139760.61	9.15	0.00	9.15	
PERIOD		0.00573	ug/m^3		595044.59	4139761.94	8.02	0.00	8.02	
PERIOD		0.00538	ug/m^3		595042.09	4139768.08	8.40	0.00	8.40	
PERIOD		0.00573	ug/m^3		595089.36	4139731.12	10.58	0.00	10.58	
PERIOD		0.00442	ug/m^3		595101.05	4139744.34	10.80	0.00	10.80	
PERIOD		0.00847	ug/m^3		595098.45	4139700.37	9.58	0.00	9.58	
PERIOD		0.00799	ug/m^3		595114.58	4139695.00	8.66	0.00	8.66	
PERIOD		0.00667	ug/m^3		595128.56	4139698.22	8.47	0.00	8.47	
PERIOD		0.00472	ug/m^3		595149.00	4139711.13	8.61	0.00	8.61	
PERIOD		0.00476	ug/m^3		595122.11	4139726.19	9.87	0.00	9.87	
PERIOD		0.00840	ug/m^3		595142.55	4139673.49	8.73	0.00	8.73	
PERIOD		0.01235	ug/m^3		595129.64	4139658.43	9.74	0.00	9.74	
PERIOD		0.01152	ug/m^3		595147.92	4139648.75	10.15	0.00	10.15	
PERIOD		0.01341	ug/m^3		595151.15	4139636.92	10.42	0.00	10.42	
PERIOD		0.00615	ug/m^3		595184.49	4139664.88	10.21	0.00	10.64	
PERIOD		0.00614	ug/m^3		595172.66	4139674.56	8.95	0.00	8.95	
PERIOD		0.00714	ug/m^3		595200.63	4139642.30	10.56	0.00	10.56	
PERIOD		0.01606	ug/m^3		595168.36	4139612.18	10.06	0.00	10.06	
PERIOD		0.01713	ug/m^3		595178.04	4139599.27	10.01	0.00	10.01	
PERIOD		0.02011	ug/m^3	MEIR	595180.19	4139586.37	9.71	0.00	9.71	

Sensitive Receptor Summary

Montague Point Industrial Project
Construction Health Risk Assessment

PM10 - Concentration - Source Group: DPM

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.01453	ug/m^3		595199.55	4139591.74	9.95	0.00	9.95	
PERIOD		0.00948	ug/m^3		595202.78	4139619.71	10.71	0.00	10.71	
PERIOD		0.01149	ug/m^3		595224.29	4139588.52	9.90	0.00	9.90	
PERIOD		0.02668	ug/m^3	MEIW	595207.52	4139355.69	8.15	0.00	8.15	
PERIOD		0.00486	ug/m^3	PRESCHOOL	594934.61	4139328.69	7.08	0.00	7.08	

Sensitive Receptor Summary

Montague Point Industrial Project
Construction Health Risk Assessment

PM10 - Concentration - Source Group: PM2.5

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00862	ug/m^3		594989.70	4139775.36	9.74	0.00	9.74	
PERIOD		0.00787	ug/m^3		594988.69	4139781.97	9.81	0.00	9.81	
PERIOD		0.00871	ug/m^3		594973.43	4139781.97	9.66	0.00	9.66	
PERIOD		0.00852	ug/m^3		594965.30	4139787.05	9.52	0.00	9.52	
PERIOD		0.00805	ug/m^3		594960.21	4139793.16	9.54	0.00	9.54	
PERIOD		0.00762	ug/m^3		594955.13	4139799.26	9.53	0.00	9.53	
PERIOD		0.00697	ug/m^3		594954.62	4139806.37	9.59	0.00	9.59	
PERIOD		0.00651	ug/m^3		594951.57	4139813.49	9.44	0.00	9.44	
PERIOD		0.00581	ug/m^3		594952.59	4139823.15	9.48	0.00	9.48	
PERIOD		0.00535	ug/m^3		594954.62	4139830.27	9.38	0.00	9.38	
PERIOD		0.00487	ug/m^3		594961.74	4139836.88	9.31	0.00	9.31	
PERIOD		0.00474	ug/m^3		594970.89	4139835.36	9.51	0.00	9.51	
PERIOD		0.00494	ug/m^3		594978.41	4139827.42	9.70	0.00	9.70	
PERIOD		0.00515	ug/m^3		594982.07	4139821.18	9.83	0.00	9.83	
PERIOD		0.00552	ug/m^3		594981.97	4139814.43	9.88	0.00	9.88	
PERIOD		0.00587	ug/m^3		594986.53	4139806.46	9.94	0.00	9.94	
PERIOD		0.00624	ug/m^3		594984.11	4139802.31	9.90	0.00	9.90	
PERIOD		0.00723	ug/m^3		594999.87	4139782.99	9.77	0.00	9.77	
PERIOD		0.00519	ug/m^3		595014.14	4139805.02	9.51	0.00	9.51	
PERIOD		0.00551	ug/m^3		595008.52	4139801.80	9.76	0.00	9.76	

Sensitive Receptor Summary

Montague Point Industrial Project
Construction Health Risk Assessment

PM10 - Concentration - Source Group: PM2.5

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00715	ug/m^3		595012.11	4139778.10	9.51	0.00	9.51	
PERIOD		0.00795	ug/m^3		595014.09	4139769.43	9.49	0.00	9.49	
PERIOD		0.00855	ug/m^3		595015.69	4139763.83	9.41	0.00	9.41	
PERIOD		0.00952	ug/m^3		595016.55	4139756.80	9.38	0.00	9.38	
PERIOD		0.01075	ug/m^3		595017.88	4139749.51	9.29	0.00	9.29	
PERIOD		0.01012	ug/m^3		595026.82	4139748.41	9.09	0.00	9.09	
PERIOD		0.01105	ug/m^3		595033.43	4139740.79	8.70	0.00	8.70	
PERIOD		0.00731	ug/m^3		595065.46	4139748.92	8.23	0.00	8.23	
PERIOD		0.00511	ug/m^3		595030.15	4139798.54	8.97	0.00	8.97	
PERIOD		0.00915	ug/m^3		595062.92	4139734.68	8.84	0.00	8.84	
PERIOD		0.01058	ug/m^3		595063.43	4139725.53	9.30	0.00	9.30	
PERIOD		0.01128	ug/m^3		595070.55	4139717.40	9.75	0.00	9.75	
PERIOD		0.01164	ug/m^3		595074.62	4139713.33	9.77	0.00	9.77	
PERIOD		0.00642	ug/m^3		595039.52	4139773.06	8.75	0.00	8.75	
PERIOD		0.00794	ug/m^3		595046.92	4139754.16	7.91	0.00	7.91	
PERIOD		0.00597	ug/m^3		595038.72	4139779.33	8.96	0.00	8.96	
PERIOD		0.00779	ug/m^3		595072.58	4139738.75	9.21	0.00	10.11	
PERIOD		0.00652	ug/m^3		595065.46	4139757.56	8.19	0.00	8.19	
PERIOD		0.00565	ug/m^3		595073.60	4139764.17	8.52	0.00	8.52	
PERIOD		0.00500	ug/m^3		595083.26	4139769.26	8.57	0.00	8.57	

Sensitive Receptor Summary

Montague Point Industrial Project
Construction Health Risk Assessment

PM10 - Concentration - Source Group: PM2.5

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00509	ug/m^3		595092.41	4139760.61	9.15	0.00	9.15	
PERIOD		0.00724	ug/m^3		595044.59	4139761.94	8.02	0.00	8.02	
PERIOD		0.00676	ug/m^3		595042.09	4139768.08	8.40	0.00	8.40	
PERIOD		0.00731	ug/m^3		595089.36	4139731.12	10.58	0.00	10.58	
PERIOD		0.00554	ug/m^3		595101.05	4139744.34	10.80	0.00	10.80	
PERIOD		0.01126	ug/m^3		595098.45	4139700.37	9.58	0.00	9.58	
PERIOD		0.01047	ug/m^3		595114.58	4139695.00	8.66	0.00	8.66	
PERIOD		0.00857	ug/m^3		595128.56	4139698.22	8.47	0.00	8.47	
PERIOD		0.00593	ug/m^3		595149.00	4139711.13	8.61	0.00	8.61	
PERIOD		0.00599	ug/m^3		595122.11	4139726.19	9.87	0.00	9.87	
PERIOD		0.01088	ug/m^3		595142.55	4139673.49	8.73	0.00	8.73	
PERIOD		0.01649	ug/m^3		595129.64	4139658.43	9.74	0.00	9.74	
PERIOD		0.01500	ug/m^3		595147.92	4139648.75	10.15	0.00	10.15	
PERIOD		0.01743	ug/m^3		595151.15	4139636.92	10.42	0.00	10.42	
PERIOD		0.00774	ug/m^3		595184.49	4139664.88	10.21	0.00	10.64	
PERIOD		0.00776	ug/m^3		595172.66	4139674.56	8.95	0.00	8.95	
PERIOD		0.00894	ug/m^3		595200.63	4139642.30	10.56	0.00	10.56	
PERIOD		0.02046	ug/m^3		595168.36	4139612.18	10.06	0.00	10.06	
PERIOD		0.02162	ug/m^3		595178.04	4139599.27	10.01	0.00	10.01	
PERIOD		0.02535	ug/m^3	MEIR	595180.19	4139586.37	9.71	0.00	9.71	

Sensitive Receptor Summary

Montague Point Industrial Project
Construction Health Risk Assessment

PM10 - Concentration - Source Group: PM2.5

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.01806	ug/m^3		595199.55	4139591.74	9.95	0.00	9.95	
PERIOD		0.01183	ug/m^3		595202.78	4139619.71	10.71	0.00	10.71	
PERIOD		0.01413	ug/m^3		595224.29	4139588.52	9.90	0.00	9.90	
PERIOD		0.03222	ug/m^3	MEIW	595207.52	4139355.69	8.15	0.00	8.15	
PERIOD		0.00610	ug/m^3	PRESCHOOL	594934.61	4139328.69	7.08	0.00	7.08	

All Receptor Results Summary

Montague Point Industrial Project

Construction Health Risk Assessment

Averaging Period	Conc	Units	Receptor Group	Receptor ID	X (m)	Y (m)	Source file
PERIOD	0.00677	ug/m3	NEAR-RES		594989.700	4139775.360	DPM_PE.PLT
PERIOD	0.00624	ug/m3	NEAR-RES		594988.690	4139781.970	DPM_PE.PLT
PERIOD	0.00686	ug/m3	NEAR-RES		594973.430	4139781.970	DPM_PE.PLT
PERIOD	0.00674	ug/m3	NEAR-RES		594965.300	4139787.050	DPM_PE.PLT
PERIOD	0.00641	ug/m3	NEAR-RES		594960.210	4139793.160	DPM_PE.PLT
PERIOD	0.00610	ug/m3	NEAR-RES		594955.130	4139799.260	DPM_PE.PLT
PERIOD	0.00562	ug/m3	NEAR-RES		594954.620	4139806.370	DPM_PE.PLT
PERIOD	0.00528	ug/m3	NEAR-RES		594951.570	4139813.490	DPM_PE.PLT
PERIOD	0.00474	ug/m3	NEAR-RES		594952.590	4139823.150	DPM_PE.PLT
PERIOD	0.00438	ug/m3	NEAR-RES		594954.620	4139830.270	DPM_PE.PLT
PERIOD	0.00400	ug/m3	NEAR-RES		594961.740	4139836.880	DPM_PE.PLT
PERIOD	0.00389	ug/m3	NEAR-RES		594970.890	4139835.360	DPM_PE.PLT
PERIOD	0.00404	ug/m3	NEAR-RES		594978.410	4139827.420	DPM_PE.PLT
PERIOD	0.00421	ug/m3	NEAR-RES		594982.070	4139821.180	DPM_PE.PLT
PERIOD	0.00450	ug/m3	NEAR-RES		594981.970	4139814.430	DPM_PE.PLT
PERIOD	0.00477	ug/m3	NEAR-RES		594986.530	4139806.460	DPM_PE.PLT
PERIOD	0.00505	ug/m3	NEAR-RES		594984.110	4139802.310	DPM_PE.PLT
PERIOD	0.00577	ug/m3	NEAR-RES		594999.870	4139782.990	DPM_PE.PLT
PERIOD	0.00422	ug/m3	NEAR-RES		595014.140	4139805.020	DPM_PE.PLT
PERIOD	0.00447	ug/m3	NEAR-RES		595008.520	4139801.800	DPM_PE.PLT
PERIOD	0.00570	ug/m3	NEAR-RES		595012.110	4139778.100	DPM_PE.PLT
PERIOD	0.00627	ug/m3	NEAR-RES		595014.090	4139769.430	DPM_PE.PLT
PERIOD	0.00668	ug/m3	NEAR-RES		595015.690	4139763.830	DPM_PE.PLT
PERIOD	0.00732	ug/m3	NEAR-RES		595016.550	4139756.800	DPM_PE.PLT
PERIOD	0.00810	ug/m3	NEAR-RES		595017.880	4139749.510	DPM_PE.PLT
PERIOD	0.00770	ug/m3	NEAR-RES		595026.820	4139748.410	DPM_PE.PLT
PERIOD	0.00828	ug/m3	NEAR-RES		595033.430	4139740.790	DPM_PE.PLT
PERIOD	0.00575	ug/m3	NEAR-RES		595065.460	4139748.920	DPM_PE.PLT
PERIOD	0.00415	ug/m3	NEAR-RES		595030.150	4139798.540	DPM_PE.PLT
PERIOD	0.00703	ug/m3	NEAR-RES		595062.920	4139734.680	DPM_PE.PLT
PERIOD	0.00796	ug/m3	NEAR-RES		595063.430	4139725.530	DPM_PE.PLT
PERIOD	0.00841	ug/m3	NEAR-RES		595070.550	4139717.400	DPM_PE.PLT
PERIOD	0.00865	ug/m3	NEAR-RES		595074.620	4139713.330	DPM_PE.PLT
PERIOD	0.00514	ug/m3	NEAR-RES		595039.520	4139773.060	DPM_PE.PLT
PERIOD	0.00622	ug/m3	NEAR-RES		595046.920	4139754.160	DPM_PE.PLT
PERIOD	0.00480	ug/m3	NEAR-RES		595038.720	4139779.330	DPM_PE.PLT

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PERIOD	0.00609	ug/m3	NEAR-RES		595072.580	4139738.750	DPM_PE.PLT
PERIOD	0.00519	ug/m3	NEAR-RES		595065.460	4139757.560	DPM_PE.PLT
PERIOD	0.00453	ug/m3	NEAR-RES		595073.600	4139764.170	DPM_PE.PLT
PERIOD	0.00403	ug/m3	NEAR-RES		595083.260	4139769.260	DPM_PE.PLT
PERIOD	0.00410	ug/m3	NEAR-RES		595092.410	4139760.610	DPM_PE.PLT
PERIOD	0.00573	ug/m3	NEAR-RES		595044.590	4139761.940	DPM_PE.PLT
PERIOD	0.00538	ug/m3	NEAR-RES		595042.090	4139768.080	DPM_PE.PLT
PERIOD	0.00573	ug/m3	NEAR-RES		595089.360	4139731.120	DPM_PE.PLT
PERIOD	0.00442	ug/m3	NEAR-RES		595101.050	4139744.340	DPM_PE.PLT
PERIOD	0.00422	ug/m3	NEAR-RES		595099.020	4139751.970	DPM_PE.PLT
PERIOD	0.00261	ug/m3	RES		594468.180	4139923.010	DPM_PE.PLT
PERIOD	0.00259	ug/m3	RES		594489.690	4139934.840	DPM_PE.PLT
PERIOD	0.00253	ug/m3	RES		594505.820	4139946.670	DPM_PE.PLT
PERIOD	0.00249	ug/m3	RES		594535.940	4139959.580	DPM_PE.PLT
PERIOD	0.00247	ug/m3	RES		594562.830	4139968.180	DPM_PE.PLT
PERIOD	0.00237	ug/m3	RES		594598.320	4139981.090	DPM_PE.PLT
PERIOD	0.00232	ug/m3	RES		594624.130	4139986.470	DPM_PE.PLT
PERIOD	0.00230	ug/m3	RES		594638.120	4139988.620	DPM_PE.PLT
PERIOD	0.00219	ug/m3	RES		594666.080	4139996.150	DPM_PE.PLT
PERIOD	0.00212	ug/m3	RES		594695.120	4140000.450	DPM_PE.PLT
PERIOD	0.00196	ug/m3	RES		594719.860	4140011.210	DPM_PE.PLT
PERIOD	0.00183	ug/m3	RES		594711.250	4140024.110	DPM_PE.PLT
PERIOD	0.00174	ug/m3	RES		594705.880	4140034.870	DPM_PE.PLT
PERIOD	0.00180	ug/m3	RES		594672.530	4140029.490	DPM_PE.PLT
PERIOD	0.00192	ug/m3	RES		594675.760	4140017.660	DPM_PE.PLT
PERIOD	0.00199	ug/m3	RES		594640.270	4140012.280	DPM_PE.PLT
PERIOD	0.00212	ug/m3	RES		594644.570	4140000.450	DPM_PE.PLT
PERIOD	0.00210	ug/m3	RES		594599.400	4140001.530	DPM_PE.PLT
PERIOD	0.00223	ug/m3	RES		594555.300	4139984.320	DPM_PE.PLT
PERIOD	0.00233	ug/m3	RES		594525.180	4139968.180	DPM_PE.PLT
PERIOD	0.00247	ug/m3	RES		594461.730	4139932.690	DPM_PE.PLT
PERIOD	0.00171	ug/m3	RES		594744.600	4140030.570	DPM_PE.PLT
PERIOD	0.00186	ug/m3	RES		594751.050	4140015.510	DPM_PE.PLT
PERIOD	0.00172	ug/m3	RES		594766.110	4140026.260	DPM_PE.PLT
PERIOD	0.00151	ug/m3	RES		594787.620	4140044.550	DPM_PE.PLT
PERIOD	0.00162	ug/m3	RES		594791.920	4140031.640	DPM_PE.PLT

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PERIOD	0.00148	ug/m3	RES		594825.260	4140041.320	DPM_PE.PLT
PERIOD	0.00137	ug/m3	RES		594846.770	4140049.930	DPM_PE.PLT
PERIOD	0.00847	ug/m3	NEAR-RES		595098.450	4139700.370	DPM_PE.PLT
PERIOD	0.00799	ug/m3	NEAR-RES		595114.580	4139695.000	DPM_PE.PLT
PERIOD	0.00667	ug/m3	NEAR-RES		595128.560	4139698.220	DPM_PE.PLT
PERIOD	0.00472	ug/m3	NEAR-RES		595149.000	4139711.130	DPM_PE.PLT
PERIOD	0.00476	ug/m3	NEAR-RES		595122.110	4139726.190	DPM_PE.PLT
PERIOD	0.00840	ug/m3	NEAR-RES		595142.550	4139673.490	DPM_PE.PLT
PERIOD	0.01235	ug/m3	NEAR-RES		595129.640	4139658.430	DPM_PE.PLT
PERIOD	0.01152	ug/m3	NEAR-RES		595147.920	4139648.750	DPM_PE.PLT
PERIOD	0.01341	ug/m3	NEAR-RES		595151.150	4139636.920	DPM_PE.PLT
PERIOD	0.00615	ug/m3	NEAR-RES		595184.490	4139664.880	DPM_PE.PLT
PERIOD	0.00614	ug/m3	NEAR-RES		595172.660	4139674.560	DPM_PE.PLT
PERIOD	0.00714	ug/m3	NEAR-RES		595200.630	4139642.300	DPM_PE.PLT
PERIOD	0.01606	ug/m3	NEAR-RES		595168.360	4139612.180	DPM_PE.PLT
PERIOD	0.01713	ug/m3	NEAR-RES		595178.040	4139599.270	DPM_PE.PLT
PERIOD	0.02011	ug/m3	NEAR-RES	MEIR	595180.190	4139586.370	DPM_PE.PLT
PERIOD	0.01453	ug/m3	NEAR-RES		595199.550	4139591.740	DPM_PE.PLT
PERIOD	0.00948	ug/m3	NEAR-RES		595202.780	4139619.710	DPM_PE.PLT
PERIOD	0.01149	ug/m3	NEAR-RES		595224.290	4139588.520	DPM_PE.PLT
PERIOD	0.00855	ug/m3	RES		595230.740	4139606.800	DPM_PE.PLT
PERIOD	0.00671	ug/m3	RES		595244.720	4139616.480	DPM_PE.PLT
PERIOD	0.00917	ug/m3	RES		595241.500	4139592.820	DPM_PE.PLT
PERIOD	0.00706	ug/m3	RES		595269.460	4139593.900	DPM_PE.PLT
PERIOD	0.00197	ug/m3	RES		594992.250	4139916.250	DPM_PE.PLT
PERIOD	0.00156	ug/m3	RES		595003.640	4139950.420	DPM_PE.PLT
PERIOD	0.00135	ug/m3	RES		595031.480	4139960.540	DPM_PE.PLT
PERIOD	0.00140	ug/m3	RES		595049.190	4139941.560	DPM_PE.PLT
PERIOD	0.00176	ug/m3	RES		595016.290	4139921.310	DPM_PE.PLT
PERIOD	0.00195	ug/m3	RES		595017.560	4139903.600	DPM_PE.PLT
PERIOD	0.00241	ug/m3	RES		594984.660	4139889.680	DPM_PE.PLT
PERIOD	0.00306	ug/m3	RES		594961.880	4139868.170	DPM_PE.PLT
PERIOD	0.00311	ug/m3	RES		594980.860	4139858.040	DPM_PE.PLT
PERIOD	0.00256	ug/m3	RES		595003.640	4139871.960	DPM_PE.PLT
PERIOD	0.00288	ug/m3	RES		595003.640	4139856.780	DPM_PE.PLT
PERIOD	0.00219	ug/m3	RES		595013.760	4139888.410	DPM_PE.PLT

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PERIOD	0.00240	ug/m3	RES		595042.860	4139856.780	DPM_PE.PLT
PERIOD	0.00262	ug/m3	RES		595051.720	4139837.800	DPM_PE.PLT
PERIOD	0.00297	ug/m3	RES		595058.050	4139818.820	DPM_PE.PLT
PERIOD	0.00224	ug/m3	RES		595077.030	4139839.060	DPM_PE.PLT
PERIOD	0.00196	ug/m3	RES		595075.760	4139859.310	DPM_PE.PLT
PERIOD	0.00196	ug/m3	RES		595063.110	4139870.700	DPM_PE.PLT
PERIOD	0.00164	ug/m3	RES		595064.380	4139902.330	DPM_PE.PLT
PERIOD	0.00163	ug/m3	RES		595078.290	4139889.680	DPM_PE.PLT
PERIOD	0.00143	ug/m3	RES		595083.360	4139912.460	DPM_PE.PLT
PERIOD	0.00130	ug/m3	RES		595102.340	4139916.250	DPM_PE.PLT
PERIOD	0.00124	ug/m3	RES		595130.180	4139901.070	DPM_PE.PLT
PERIOD	0.00144	ug/m3	RES		595108.660	4139887.150	DPM_PE.PLT
PERIOD	0.00151	ug/m3	RES		595120.050	4139870.700	DPM_PE.PLT
PERIOD	0.00129	ug/m3	RES		595149.160	4139880.820	DPM_PE.PLT
PERIOD	0.00116	ug/m3	RES		595180.790	4139877.030	DPM_PE.PLT
PERIOD	0.00128	ug/m3	RES		595180.790	4139858.040	DPM_PE.PLT
PERIOD	0.00150	ug/m3	RES		595154.220	4139850.450	DPM_PE.PLT
PERIOD	0.00209	ug/m3	RES		595103.600	4139830.210	DPM_PE.PLT
PERIOD	0.00192	ug/m3	RES		595128.910	4139827.680	DPM_PE.PLT
PERIOD	0.00238	ug/m3	RES		595112.460	4139808.690	DPM_PE.PLT
PERIOD	0.00273	ug/m3	RES		595103.600	4139798.570	DPM_PE.PLT
PERIOD	0.00290	ug/m3	RES		595082.090	4139806.160	DPM_PE.PLT
PERIOD	0.00236	ug/m3	RES		595178.260	4139761.880	DPM_PE.PLT
PERIOD	0.00288	ug/m3	RES		595174.460	4139740.360	DPM_PE.PLT
PERIOD	0.00208	ug/m3	RES		595194.710	4139766.940	DPM_PE.PLT
PERIOD	0.00214	ug/m3	RES		595209.890	4139751.750	DPM_PE.PLT
PERIOD	0.00316	ug/m3	RES		595185.850	4139722.650	DPM_PE.PLT
PERIOD	0.00265	ug/m3	RES		595220.020	4139718.850	DPM_PE.PLT
PERIOD	0.00232	ug/m3	RES		595236.470	4139723.910	DPM_PE.PLT
PERIOD	0.00337	ug/m3	RES		595222.550	4139692.280	DPM_PE.PLT
PERIOD	0.00308	ug/m3	RES		595239.000	4139691.020	DPM_PE.PLT
PERIOD	0.00257	ug/m3	RES		595254.180	4139701.140	DPM_PE.PLT
PERIOD	0.00418	ug/m3	RES		595269.370	4139640.400	DPM_PE.PLT
PERIOD	0.00312	ug/m3	RES		595287.080	4139658.120	DPM_PE.PLT
PERIOD	0.00554	ug/m3	RES		595284.410	4139605.170	DPM_PE.PLT
PERIOD	0.00311	ug/m3	RES		595308.590	4139645.460	DPM_PE.PLT

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PERIOD	0.00442	ug/m3	RES		595293.410	4139620.150	DPM_PE.PLT
PERIOD	0.00092	ug/m3	RES		595171.930	4139936.500	DPM_PE.PLT
PERIOD	0.00090	ug/m3	RES		595198.510	4139918.780	DPM_PE.PLT
PERIOD	0.00091	ug/m3	RES		595212.420	4139907.390	DPM_PE.PLT
PERIOD	0.00090	ug/m3	RES		595226.340	4139898.540	DPM_PE.PLT
PERIOD	0.00096	ug/m3	RES		595235.200	4139875.760	DPM_PE.PLT
PERIOD	0.00105	ug/m3	RES		595235.200	4139856.780	DPM_PE.PLT
PERIOD	0.00108	ug/m3	RES		595241.530	4139844.130	DPM_PE.PLT
PERIOD	0.00089	ug/m3	RES		595271.900	4139864.370	DPM_PE.PLT
PERIOD	0.00093	ug/m3	RES		595275.690	4139852.980	DPM_PE.PLT
PERIOD	0.00124	ug/m3	RES		595278.220	4139792.250	DPM_PE.PLT
PERIOD	0.00157	ug/m3	RES		595247.850	4139772.000	DPM_PE.PLT
PERIOD	0.00160	ug/m3	RES		595270.630	4139753.020	DPM_PE.PLT
PERIOD	0.00128	ug/m3	RES		595292.140	4139775.800	DPM_PE.PLT
PERIOD	0.00130	ug/m3	RES		595314.920	4139758.080	DPM_PE.PLT
PERIOD	0.00134	ug/m3	RES		595341.490	4139736.570	DPM_PE.PLT
PERIOD	0.00184	ug/m3	RES		595307.330	4139710.000	DPM_PE.PLT
PERIOD	0.00160	ug/m3	RES		595294.670	4139736.570	DPM_PE.PLT
PERIOD	0.00145	ug/m3	RES		595357.940	4139713.790	DPM_PE.PLT
PERIOD	0.00192	ug/m3	RES		595328.840	4139691.020	DPM_PE.PLT
PERIOD	0.00210	ug/m3	RES		595349.080	4139666.970	DPM_PE.PLT
PERIOD	0.00160	ug/m3	RES		595376.920	4139687.220	DPM_PE.PLT
PERIOD	0.00312	ug/m3	NON-RES		594745.830	4139933.590	DPM_PE.PLT
PERIOD	0.00371	ug/m3	NON-RES		594750.130	4139909.930	DPM_PE.PLT
PERIOD	0.00448	ug/m3	NON-RES		594755.510	4139886.270	DPM_PE.PLT
PERIOD	0.00610	ug/m3	NON-RES		594799.610	4139847.540	DPM_PE.PLT
PERIOD	0.00705	ug/m3	NON-RES		594768.420	4139837.860	DPM_PE.PLT
PERIOD	0.00747	ug/m3	NON-RES		594745.830	4139833.560	DPM_PE.PLT
PERIOD	0.00868	ug/m3	NON-RES		594698.500	4139816.350	DPM_PE.PLT
PERIOD	0.00893	ug/m3	NON-RES		594675.910	4139808.820	DPM_PE.PLT
PERIOD	0.00843	ug/m3	NON-RES		594644.720	4139805.590	DPM_PE.PLT
PERIOD	0.00514	ug/m3	NON-RES		594614.600	4139860.450	DPM_PE.PLT
PERIOD	0.00518	ug/m3	NON-RES		594659.780	4139869.060	DPM_PE.PLT
PERIOD	0.00256	ug/m3	NON-RES		594373.660	4139779.780	DPM_PE.PLT
PERIOD	0.00271	ug/m3	NON-RES		594384.420	4139761.490	DPM_PE.PLT
PERIOD	0.00205	ug/m3	NON-RES		594332.790	4139783.010	DPM_PE.PLT

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PERIOD	0.00212	ug/m3	NON-RES		594345.700	4139757.190	DPM_PE.PLT
PERIOD	0.00215	ug/m3	NON-RES		594356.450	4139733.530	DPM_PE.PLT
PERIOD	0.00217	ug/m3	NON-RES		594368.280	4139710.940	DPM_PE.PLT
PERIOD	0.00219	ug/m3	NON-RES		594380.120	4139691.580	DPM_PE.PLT
PERIOD	0.00170	ug/m3	NON-RES		594328.490	4139720.620	DPM_PE.PLT
PERIOD	0.00167	ug/m3	NON-RES		594310.200	4139748.590	DPM_PE.PLT
PERIOD	0.00249	ug/m3	NON-RES		594488.750	4139575.410	DPM_PE.PLT
PERIOD	0.00202	ug/m3	NON-RES		594485.530	4139561.430	DPM_PE.PLT
PERIOD	0.00305	ug/m3	NON-RES		594510.270	4139570.030	DPM_PE.PLT
PERIOD	0.00347	ug/m3	NON-RES		594531.780	4139557.120	DPM_PE.PLT
PERIOD	0.00343	ug/m3	NON-RES		594547.910	4139540.990	DPM_PE.PLT
PERIOD	0.00154	ug/m3	NON-RES		594557.590	4139472.150	DPM_PE.PLT
PERIOD	0.00123	ug/m3	NON-RES		594516.720	4139485.060	DPM_PE.PLT
PERIOD	0.00101	ug/m3	NON-RES		594473.700	4139496.890	DPM_PE.PLT
PERIOD	0.00088	ug/m3	NON-RES		594443.580	4139502.270	DPM_PE.PLT
PERIOD	0.00081	ug/m3	NON-RES		594466.170	4139471.070	DPM_PE.PLT
PERIOD	0.02550	ug/m3	NON-RES		594728.620	4139505.490	DPM_PE.PLT
PERIOD	0.01757	ug/m3	NON-RES		594701.730	4139485.060	DPM_PE.PLT
PERIOD	0.01742	ug/m3	NON-RES		594742.600	4139481.830	DPM_PE.PLT
PERIOD	0.01149	ug/m3	NON-RES		594754.430	4139453.860	DPM_PE.PLT
PERIOD	0.01124	ug/m3	NON-RES		594725.390	4139459.240	DPM_PE.PLT
PERIOD	0.00590	ug/m3	NON-RES		594712.480	4139432.350	DPM_PE.PLT
PERIOD	0.02470	ug/m3	NON-RES		594899.640	4139522.700	DPM_PE.PLT
PERIOD	0.01871	ug/m3	NON-RES		594917.930	4139490.440	DPM_PE.PLT
PERIOD	0.01560	ug/m3	NON-RES		594938.370	4139464.620	DPM_PE.PLT
PERIOD	0.00044	ug/m3	NON-RES		594377.080	4139438.110	DPM_PE.PLT
PERIOD	0.00036	ug/m3	NON-RES		594366.780	4139407.200	DPM_PE.PLT
PERIOD	0.00034	ug/m3	NON-RES		594486.300	4139279.450	DPM_PE.PLT
PERIOD	0.00106	ug/m3	NON-RES		594601.690	4139388.660	DPM_PE.PLT
PERIOD	0.00092	ug/m3	NON-RES		594624.360	4139349.510	DPM_PE.PLT
PERIOD	0.00092	ug/m3	NON-RES		594636.720	4139339.200	DPM_PE.PLT
PERIOD	0.00055	ug/m3	NON-RES		594568.720	4139312.420	DPM_PE.PLT
PERIOD	0.00069	ug/m3	NON-RES		594680.000	4139256.780	DPM_PE.PLT
PERIOD	0.00047	ug/m3	NON-RES		594628.480	4139225.870	DPM_PE.PLT
PERIOD	0.00825	ug/m3	NON-RES		594970.540	4139380.420	DPM_PE.PLT
PERIOD	0.00748	ug/m3	NON-RES		594989.090	4139361.870	DPM_PE.PLT

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PERIOD	0.00709	ug/m3	NON-RES		594923.150	4139376.300	DPM_PE.PLT
PERIOD	0.00625	ug/m3	NON-RES		594935.510	4139357.750	DPM_PE.PLT
PERIOD	0.00429	ug/m3	NON-RES		594851.030	4139347.450	DPM_PE.PLT
PERIOD	0.00332	ug/m3	NON-RES		594863.390	4139316.540	DPM_PE.PLT
PERIOD	0.00254	ug/m3	NON-RES		594896.360	4139271.200	DPM_PE.PLT
PERIOD	0.00207	ug/m3	NON-RES		594929.330	4139227.930	DPM_PE.PLT
PERIOD	0.00153	ug/m3	NON-RES		594873.700	4139221.750	DPM_PE.PLT
PERIOD	0.00285	ug/m3	NON-RES		594803.630	4139333.020	DPM_PE.PLT
PERIOD	0.02668	ug/m3	NON-RES	MEIW	595207.520	4139355.690	DPM_PE.PLT
PERIOD	0.02188	ug/m3	NON-RES		595209.580	4139337.140	DPM_PE.PLT
PERIOD	0.01420	ug/m3	NON-RES		595172.490	4139310.360	DPM_PE.PLT
PERIOD	0.01005	ug/m3	NON-RES		595250.790	4139262.960	DPM_PE.PLT
PERIOD	0.00793	ug/m3	NON-RES		595273.460	4139232.050	DPM_PE.PLT
PERIOD	0.00548	ug/m3	NON-RES		595296.120	4139182.600	DPM_PE.PLT
PERIOD	0.00728	ug/m3	NON-RES		595228.120	4139238.230	DPM_PE.PLT
PERIOD	0.00617	ug/m3	NON-RES		595246.670	4139213.510	DPM_PE.PLT
PERIOD	0.00499	ug/m3	NON-RES		595273.460	4139178.480	DPM_PE.PLT
PERIOD	0.00371	ug/m3	NON-RES		595123.030	4139211.450	DPM_PE.PLT
PERIOD	0.00340	ug/m3	NON-RES		595139.520	4139190.840	DPM_PE.PLT
PERIOD	0.00272	ug/m3	NON-RES		595071.520	4139192.900	DPM_PE.PLT
PERIOD	0.00236	ug/m3	NON-RES		595094.180	4139159.930	DPM_PE.PLT
PERIOD	0.00238	ug/m3	NON-RES		595417.700	4139607.090	DPM_PE.PLT
PERIOD	0.00240	ug/m3	NON-RES		595438.310	4139592.660	DPM_PE.PLT
PERIOD	0.00356	ug/m3	NON-RES		595392.970	4139574.120	DPM_PE.PLT
PERIOD	0.01070	ug/m3	NON-RES		595320.850	4139504.050	DPM_PE.PLT
PERIOD	0.00393	ug/m3	NON-RES		595446.550	4139520.540	DPM_PE.PLT
PERIOD	0.00297	ug/m3	NON-RES		595465.090	4139545.270	DPM_PE.PLT
PERIOD	0.00951	ug/m3	NON-RES		595368.250	4139466.960	DPM_PE.PLT
PERIOD	0.00887	ug/m3	NON-RES		595384.730	4139458.720	DPM_PE.PLT
PERIOD	0.01482	ug/m3	NON-RES		595333.210	4139431.930	DPM_PE.PLT
PERIOD	0.01397	ug/m3	NON-RES		595347.640	4139417.510	DPM_PE.PLT
PERIOD	0.00567	ug/m3	NON-RES		595477.460	4139431.930	DPM_PE.PLT
PERIOD	0.01032	ug/m3	NON-RES		595413.580	4139359.810	DPM_PE.PLT
PERIOD	0.01137	ug/m3	NON-RES		595395.030	4139335.080	DPM_PE.PLT
PERIOD	0.00486	ug/m3	SCHOOL	PRESCHOOL	594934.610	4139328.690	DPM_PE.PLT

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PERIOD	0.00862	ug/m3	NEAR-RES		594989.700	4139775.360	PM25_PE.PLT
PERIOD	0.00787	ug/m3	NEAR-RES		594988.690	4139781.970	PM25_PE.PLT
PERIOD	0.00871	ug/m3	NEAR-RES		594973.430	4139781.970	PM25_PE.PLT
PERIOD	0.00852	ug/m3	NEAR-RES		594965.300	4139787.050	PM25_PE.PLT
PERIOD	0.00805	ug/m3	NEAR-RES		594960.210	4139793.160	PM25_PE.PLT
PERIOD	0.00762	ug/m3	NEAR-RES		594955.130	4139799.260	PM25_PE.PLT
PERIOD	0.00697	ug/m3	NEAR-RES		594954.620	4139806.370	PM25_PE.PLT
PERIOD	0.00651	ug/m3	NEAR-RES		594951.570	4139813.490	PM25_PE.PLT
PERIOD	0.00581	ug/m3	NEAR-RES		594952.590	4139823.150	PM25_PE.PLT
PERIOD	0.00535	ug/m3	NEAR-RES		594954.620	4139830.270	PM25_PE.PLT
PERIOD	0.00487	ug/m3	NEAR-RES		594961.740	4139836.880	PM25_PE.PLT
PERIOD	0.00474	ug/m3	NEAR-RES		594970.890	4139835.360	PM25_PE.PLT
PERIOD	0.00494	ug/m3	NEAR-RES		594978.410	4139827.420	PM25_PE.PLT
PERIOD	0.00515	ug/m3	NEAR-RES		594982.070	4139821.180	PM25_PE.PLT
PERIOD	0.00552	ug/m3	NEAR-RES		594981.970	4139814.430	PM25_PE.PLT
PERIOD	0.00587	ug/m3	NEAR-RES		594986.530	4139806.460	PM25_PE.PLT
PERIOD	0.00624	ug/m3	NEAR-RES		594984.110	4139802.310	PM25_PE.PLT
PERIOD	0.00723	ug/m3	NEAR-RES		594999.870	4139782.990	PM25_PE.PLT
PERIOD	0.00519	ug/m3	NEAR-RES		595014.140	4139805.020	PM25_PE.PLT
PERIOD	0.00551	ug/m3	NEAR-RES		595008.520	4139801.800	PM25_PE.PLT
PERIOD	0.00715	ug/m3	NEAR-RES		595012.110	4139778.100	PM25_PE.PLT
PERIOD	0.00795	ug/m3	NEAR-RES		595014.090	4139769.430	PM25_PE.PLT
PERIOD	0.00855	ug/m3	NEAR-RES		595015.690	4139763.830	PM25_PE.PLT
PERIOD	0.00952	ug/m3	NEAR-RES		595016.550	4139756.800	PM25_PE.PLT
PERIOD	0.01075	ug/m3	NEAR-RES		595017.880	4139749.510	PM25_PE.PLT
PERIOD	0.01012	ug/m3	NEAR-RES		595026.820	4139748.410	PM25_PE.PLT
PERIOD	0.01105	ug/m3	NEAR-RES		595033.430	4139740.790	PM25_PE.PLT
PERIOD	0.00731	ug/m3	NEAR-RES		595065.460	4139748.920	PM25_PE.PLT
PERIOD	0.00511	ug/m3	NEAR-RES		595030.150	4139798.540	PM25_PE.PLT
PERIOD	0.00915	ug/m3	NEAR-RES		595062.920	4139734.680	PM25_PE.PLT
PERIOD	0.01058	ug/m3	NEAR-RES		595063.430	4139725.530	PM25_PE.PLT
PERIOD	0.01128	ug/m3	NEAR-RES		595070.550	4139717.400	PM25_PE.PLT
PERIOD	0.01164	ug/m3	NEAR-RES		595074.620	4139713.330	PM25_PE.PLT
PERIOD	0.00642	ug/m3	NEAR-RES		595039.520	4139773.060	PM25_PE.PLT
PERIOD	0.00794	ug/m3	NEAR-RES		595046.920	4139754.160	PM25_PE.PLT
PERIOD	0.00597	ug/m3	NEAR-RES		595038.720	4139779.330	PM25_PE.PLT

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PERIOD	0.00779	ug/m3	NEAR-RES		595072.580	4139738.750	PM25_PE.PLT
PERIOD	0.00652	ug/m3	NEAR-RES		595065.460	4139757.560	PM25_PE.PLT
PERIOD	0.00565	ug/m3	NEAR-RES		595073.600	4139764.170	PM25_PE.PLT
PERIOD	0.00500	ug/m3	NEAR-RES		595083.260	4139769.260	PM25_PE.PLT
PERIOD	0.00509	ug/m3	NEAR-RES		595092.410	4139760.610	PM25_PE.PLT
PERIOD	0.00724	ug/m3	NEAR-RES		595044.590	4139761.940	PM25_PE.PLT
PERIOD	0.00676	ug/m3	NEAR-RES		595042.090	4139768.080	PM25_PE.PLT
PERIOD	0.00731	ug/m3	NEAR-RES		595089.360	4139731.120	PM25_PE.PLT
PERIOD	0.00554	ug/m3	NEAR-RES		595101.050	4139744.340	PM25_PE.PLT
PERIOD	0.00526	ug/m3	NEAR-RES		595099.020	4139751.970	PM25_PE.PLT
PERIOD	0.00311	ug/m3	RES		594468.180	4139923.010	PM25_PE.PLT
PERIOD	0.00308	ug/m3	RES		594489.690	4139934.840	PM25_PE.PLT
PERIOD	0.00301	ug/m3	RES		594505.820	4139946.670	PM25_PE.PLT
PERIOD	0.00295	ug/m3	RES		594535.940	4139959.580	PM25_PE.PLT
PERIOD	0.00293	ug/m3	RES		594562.830	4139968.180	PM25_PE.PLT
PERIOD	0.00280	ug/m3	RES		594598.320	4139981.090	PM25_PE.PLT
PERIOD	0.00274	ug/m3	RES		594624.130	4139986.470	PM25_PE.PLT
PERIOD	0.00272	ug/m3	RES		594638.120	4139988.620	PM25_PE.PLT
PERIOD	0.00259	ug/m3	RES		594666.080	4139996.150	PM25_PE.PLT
PERIOD	0.00251	ug/m3	RES		594695.120	4140000.450	PM25_PE.PLT
PERIOD	0.00232	ug/m3	RES		594719.860	4140011.210	PM25_PE.PLT
PERIOD	0.00217	ug/m3	RES		594711.250	4140024.110	PM25_PE.PLT
PERIOD	0.00205	ug/m3	RES		594705.880	4140034.870	PM25_PE.PLT
PERIOD	0.00213	ug/m3	RES		594672.530	4140029.490	PM25_PE.PLT
PERIOD	0.00227	ug/m3	RES		594675.760	4140017.660	PM25_PE.PLT
PERIOD	0.00235	ug/m3	RES		594640.270	4140012.280	PM25_PE.PLT
PERIOD	0.00251	ug/m3	RES		594644.570	4140000.450	PM25_PE.PLT
PERIOD	0.00249	ug/m3	RES		594599.400	4140001.530	PM25_PE.PLT
PERIOD	0.00264	ug/m3	RES		594555.300	4139984.320	PM25_PE.PLT
PERIOD	0.00277	ug/m3	RES		594525.180	4139968.180	PM25_PE.PLT
PERIOD	0.00295	ug/m3	RES		594461.730	4139932.690	PM25_PE.PLT
PERIOD	0.00203	ug/m3	RES		594744.600	4140030.570	PM25_PE.PLT
PERIOD	0.00221	ug/m3	RES		594751.050	4140015.510	PM25_PE.PLT
PERIOD	0.00204	ug/m3	RES		594766.110	4140026.260	PM25_PE.PLT
PERIOD	0.00179	ug/m3	RES		594787.620	4140044.550	PM25_PE.PLT
PERIOD	0.00192	ug/m3	RES		594791.920	4140031.640	PM25_PE.PLT

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PERIOD	0.00176	ug/m3	RES		594825.260	4140041.320	PM25_PE.PLT
PERIOD	0.00163	ug/m3	RES		594846.770	4140049.930	PM25_PE.PLT
PERIOD	0.01126	ug/m3	NEAR-RES		595098.450	4139700.370	PM25_PE.PLT
PERIOD	0.01047	ug/m3	NEAR-RES		595114.580	4139695.000	PM25_PE.PLT
PERIOD	0.00857	ug/m3	NEAR-RES		595128.560	4139698.220	PM25_PE.PLT
PERIOD	0.00593	ug/m3	NEAR-RES		595149.000	4139711.130	PM25_PE.PLT
PERIOD	0.00599	ug/m3	NEAR-RES		595122.110	4139726.190	PM25_PE.PLT
PERIOD	0.01088	ug/m3	NEAR-RES		595142.550	4139673.490	PM25_PE.PLT
PERIOD	0.01649	ug/m3	NEAR-RES		595129.640	4139658.430	PM25_PE.PLT
PERIOD	0.01500	ug/m3	NEAR-RES		595147.920	4139648.750	PM25_PE.PLT
PERIOD	0.01743	ug/m3	NEAR-RES		595151.150	4139636.920	PM25_PE.PLT
PERIOD	0.00774	ug/m3	NEAR-RES		595184.490	4139664.880	PM25_PE.PLT
PERIOD	0.00776	ug/m3	NEAR-RES		595172.660	4139674.560	PM25_PE.PLT
PERIOD	0.00894	ug/m3	NEAR-RES		595200.630	4139642.300	PM25_PE.PLT
PERIOD	0.02046	ug/m3	NEAR-RES		595168.360	4139612.180	PM25_PE.PLT
PERIOD	0.02162	ug/m3	NEAR-RES		595178.040	4139599.270	PM25_PE.PLT
PERIOD	0.02535	ug/m3	NEAR-RES	MEIR	595180.190	4139586.370	PM25_PE.PLT
PERIOD	0.01806	ug/m3	NEAR-RES		595199.550	4139591.740	PM25_PE.PLT
PERIOD	0.01183	ug/m3	NEAR-RES		595202.780	4139619.710	PM25_PE.PLT
PERIOD	0.01413	ug/m3	NEAR-RES		595224.290	4139588.520	PM25_PE.PLT
PERIOD	0.01053	ug/m3	RES		595230.740	4139606.800	PM25_PE.PLT
PERIOD	0.00825	ug/m3	RES		595244.720	4139616.480	PM25_PE.PLT
PERIOD	0.01123	ug/m3	RES		595241.500	4139592.820	PM25_PE.PLT
PERIOD	0.00860	ug/m3	RES		595269.460	4139593.900	PM25_PE.PLT
PERIOD	0.00237	ug/m3	RES		594992.250	4139916.250	PM25_PE.PLT
PERIOD	0.00188	ug/m3	RES		595003.640	4139950.420	PM25_PE.PLT
PERIOD	0.00163	ug/m3	RES		595031.480	4139960.540	PM25_PE.PLT
PERIOD	0.00170	ug/m3	RES		595049.190	4139941.560	PM25_PE.PLT
PERIOD	0.00212	ug/m3	RES		595016.290	4139921.310	PM25_PE.PLT
PERIOD	0.00235	ug/m3	RES		595017.560	4139903.600	PM25_PE.PLT
PERIOD	0.00291	ug/m3	RES		594984.660	4139889.680	PM25_PE.PLT
PERIOD	0.00370	ug/m3	RES		594961.880	4139868.170	PM25_PE.PLT
PERIOD	0.00377	ug/m3	RES		594980.860	4139858.040	PM25_PE.PLT
PERIOD	0.00309	ug/m3	RES		595003.640	4139871.960	PM25_PE.PLT
PERIOD	0.00350	ug/m3	RES		595003.640	4139856.780	PM25_PE.PLT
PERIOD	0.00264	ug/m3	RES		595013.760	4139888.410	PM25_PE.PLT

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PERIOD	0.00291	ug/m3	RES		595042.860	4139856.780	PM25_PE.PLT
PERIOD	0.00319	ug/m3	RES		595051.720	4139837.800	PM25_PE.PLT
PERIOD	0.00362	ug/m3	RES		595058.050	4139818.820	PM25_PE.PLT
PERIOD	0.00273	ug/m3	RES		595077.030	4139839.060	PM25_PE.PLT
PERIOD	0.00239	ug/m3	RES		595075.760	4139859.310	PM25_PE.PLT
PERIOD	0.00238	ug/m3	RES		595063.110	4139870.700	PM25_PE.PLT
PERIOD	0.00198	ug/m3	RES		595064.380	4139902.330	PM25_PE.PLT
PERIOD	0.00198	ug/m3	RES		595078.290	4139889.680	PM25_PE.PLT
PERIOD	0.00173	ug/m3	RES		595083.360	4139912.460	PM25_PE.PLT
PERIOD	0.00158	ug/m3	RES		595102.340	4139916.250	PM25_PE.PLT
PERIOD	0.00152	ug/m3	RES		595130.180	4139901.070	PM25_PE.PLT
PERIOD	0.00175	ug/m3	RES		595108.660	4139887.150	PM25_PE.PLT
PERIOD	0.00184	ug/m3	RES		595120.050	4139870.700	PM25_PE.PLT
PERIOD	0.00158	ug/m3	RES		595149.160	4139880.820	PM25_PE.PLT
PERIOD	0.00142	ug/m3	RES		595180.790	4139877.030	PM25_PE.PLT
PERIOD	0.00157	ug/m3	RES		595180.790	4139858.040	PM25_PE.PLT
PERIOD	0.00183	ug/m3	RES		595154.220	4139850.450	PM25_PE.PLT
PERIOD	0.00255	ug/m3	RES		595103.600	4139830.210	PM25_PE.PLT
PERIOD	0.00235	ug/m3	RES		595128.910	4139827.680	PM25_PE.PLT
PERIOD	0.00292	ug/m3	RES		595112.460	4139808.690	PM25_PE.PLT
PERIOD	0.00335	ug/m3	RES		595103.600	4139798.570	PM25_PE.PLT
PERIOD	0.00355	ug/m3	RES		595082.090	4139806.160	PM25_PE.PLT
PERIOD	0.00291	ug/m3	RES		595178.260	4139761.880	PM25_PE.PLT
PERIOD	0.00356	ug/m3	RES		595174.460	4139740.360	PM25_PE.PLT
PERIOD	0.00256	ug/m3	RES		595194.710	4139766.940	PM25_PE.PLT
PERIOD	0.00264	ug/m3	RES		595209.890	4139751.750	PM25_PE.PLT
PERIOD	0.00392	ug/m3	RES		595185.850	4139722.650	PM25_PE.PLT
PERIOD	0.00327	ug/m3	RES		595220.020	4139718.850	PM25_PE.PLT
PERIOD	0.00286	ug/m3	RES		595236.470	4139723.910	PM25_PE.PLT
PERIOD	0.00417	ug/m3	RES		595222.550	4139692.280	PM25_PE.PLT
PERIOD	0.00380	ug/m3	RES		595239.000	4139691.020	PM25_PE.PLT
PERIOD	0.00316	ug/m3	RES		595254.180	4139701.140	PM25_PE.PLT
PERIOD	0.00513	ug/m3	RES		595269.370	4139640.400	PM25_PE.PLT
PERIOD	0.00382	ug/m3	RES		595287.080	4139658.120	PM25_PE.PLT
PERIOD	0.00675	ug/m3	RES		595284.410	4139605.170	PM25_PE.PLT
PERIOD	0.00379	ug/m3	RES		595308.590	4139645.460	PM25_PE.PLT

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PERIOD	0.00539	ug/m3	RES		595293.410	4139620.150	PM25_PE.PLT
PERIOD	0.00113	ug/m3	RES		595171.930	4139936.500	PM25_PE.PLT
PERIOD	0.00111	ug/m3	RES		595198.510	4139918.780	PM25_PE.PLT
PERIOD	0.00111	ug/m3	RES		595212.420	4139907.390	PM25_PE.PLT
PERIOD	0.00110	ug/m3	RES		595226.340	4139898.540	PM25_PE.PLT
PERIOD	0.00118	ug/m3	RES		595235.200	4139875.760	PM25_PE.PLT
PERIOD	0.00128	ug/m3	RES		595235.200	4139856.780	PM25_PE.PLT
PERIOD	0.00133	ug/m3	RES		595241.530	4139844.130	PM25_PE.PLT
PERIOD	0.00110	ug/m3	RES		595271.900	4139864.370	PM25_PE.PLT
PERIOD	0.00114	ug/m3	RES		595275.690	4139852.980	PM25_PE.PLT
PERIOD	0.00151	ug/m3	RES		595278.220	4139792.250	PM25_PE.PLT
PERIOD	0.00193	ug/m3	RES		595247.850	4139772.000	PM25_PE.PLT
PERIOD	0.00196	ug/m3	RES		595270.630	4139753.020	PM25_PE.PLT
PERIOD	0.00157	ug/m3	RES		595292.140	4139775.800	PM25_PE.PLT
PERIOD	0.00159	ug/m3	RES		595314.920	4139758.080	PM25_PE.PLT
PERIOD	0.00163	ug/m3	RES		595341.490	4139736.570	PM25_PE.PLT
PERIOD	0.00224	ug/m3	RES		595307.330	4139710.000	PM25_PE.PLT
PERIOD	0.00196	ug/m3	RES		595294.670	4139736.570	PM25_PE.PLT
PERIOD	0.00176	ug/m3	RES		595357.940	4139713.790	PM25_PE.PLT
PERIOD	0.00233	ug/m3	RES		595328.840	4139691.020	PM25_PE.PLT
PERIOD	0.00255	ug/m3	RES		595349.080	4139666.970	PM25_PE.PLT
PERIOD	0.00194	ug/m3	RES		595376.920	4139687.220	PM25_PE.PLT
PERIOD	0.00370	ug/m3	NON-RES		594745.830	4139933.590	PM25_PE.PLT
PERIOD	0.00441	ug/m3	NON-RES		594750.130	4139909.930	PM25_PE.PLT
PERIOD	0.00533	ug/m3	NON-RES		594755.510	4139886.270	PM25_PE.PLT
PERIOD	0.00736	ug/m3	NON-RES		594799.610	4139847.540	PM25_PE.PLT
PERIOD	0.00848	ug/m3	NON-RES		594768.420	4139837.860	PM25_PE.PLT
PERIOD	0.00896	ug/m3	NON-RES		594745.830	4139833.560	PM25_PE.PLT
PERIOD	0.01037	ug/m3	NON-RES		594698.500	4139816.350	PM25_PE.PLT
PERIOD	0.01066	ug/m3	NON-RES		594675.910	4139808.820	PM25_PE.PLT
PERIOD	0.01004	ug/m3	NON-RES		594644.720	4139805.590	PM25_PE.PLT
PERIOD	0.00608	ug/m3	NON-RES		594614.600	4139860.450	PM25_PE.PLT
PERIOD	0.00613	ug/m3	NON-RES		594659.780	4139869.060	PM25_PE.PLT
PERIOD	0.00326	ug/m3	NON-RES		594373.660	4139779.780	PM25_PE.PLT
PERIOD	0.00350	ug/m3	NON-RES		594384.420	4139761.490	PM25_PE.PLT
PERIOD	0.00263	ug/m3	NON-RES		594332.790	4139783.010	PM25_PE.PLT

All Receptor Results Summary - PM2.5

Montague Point Industrial Project

Construction Health Risk Assessment

Averaging Period	Conc	Units	Receptor Group	Receptor ID	X (m)	Y (m)	Source file
PERIOD	0.00279	ug/m3	NON-RES		594345.700	4139757.190	PM25_PE.PLT
PERIOD	0.00292	ug/m3	NON-RES		594356.450	4139733.530	PM25_PE.PLT
PERIOD	0.00307	ug/m3	NON-RES		594368.280	4139710.940	PM25_PE.PLT
PERIOD	0.00326	ug/m3	NON-RES		594380.120	4139691.580	PM25_PE.PLT
PERIOD	0.00238	ug/m3	NON-RES		594328.490	4139720.620	PM25_PE.PLT
PERIOD	0.00225	ug/m3	NON-RES		594310.200	4139748.590	PM25_PE.PLT
PERIOD	0.00514	ug/m3	NON-RES		594488.750	4139575.410	PM25_PE.PLT
PERIOD	0.00423	ug/m3	NON-RES		594485.530	4139561.430	PM25_PE.PLT
PERIOD	0.00565	ug/m3	NON-RES		594510.270	4139570.030	PM25_PE.PLT
PERIOD	0.00601	ug/m3	NON-RES		594531.780	4139557.120	PM25_PE.PLT
PERIOD	0.00585	ug/m3	NON-RES		594547.910	4139540.990	PM25_PE.PLT
PERIOD	0.00260	ug/m3	NON-RES		594557.590	4139472.150	PM25_PE.PLT
PERIOD	0.00229	ug/m3	NON-RES		594516.720	4139485.060	PM25_PE.PLT
PERIOD	0.00213	ug/m3	NON-RES		594473.700	4139496.890	PM25_PE.PLT
PERIOD	0.00210	ug/m3	NON-RES		594443.580	4139502.270	PM25_PE.PLT
PERIOD	0.00169	ug/m3	NON-RES		594466.170	4139471.070	PM25_PE.PLT
PERIOD	0.03215	ug/m3	NON-RES		594728.620	4139505.490	PM25_PE.PLT
PERIOD	0.02360	ug/m3	NON-RES		594701.730	4139485.060	PM25_PE.PLT
PERIOD	0.02225	ug/m3	NON-RES		594742.600	4139481.830	PM25_PE.PLT
PERIOD	0.01491	ug/m3	NON-RES		594754.430	4139453.860	PM25_PE.PLT
PERIOD	0.01500	ug/m3	NON-RES		594725.390	4139459.240	PM25_PE.PLT
PERIOD	0.00815	ug/m3	NON-RES		594712.480	4139432.350	PM25_PE.PLT
PERIOD	0.02985	ug/m3	NON-RES		594899.640	4139522.700	PM25_PE.PLT
PERIOD	0.02264	ug/m3	NON-RES		594917.930	4139490.440	PM25_PE.PLT
PERIOD	0.01900	ug/m3	NON-RES		594938.370	4139464.620	PM25_PE.PLT
PERIOD	0.00091	ug/m3	NON-RES		594377.080	4139438.110	PM25_PE.PLT
PERIOD	0.00064	ug/m3	NON-RES		594366.780	4139407.200	PM25_PE.PLT
PERIOD	0.00051	ug/m3	NON-RES		594486.300	4139279.450	PM25_PE.PLT
PERIOD	0.00163	ug/m3	NON-RES		594601.690	4139388.660	PM25_PE.PLT
PERIOD	0.00137	ug/m3	NON-RES		594624.360	4139349.510	PM25_PE.PLT
PERIOD	0.00136	ug/m3	NON-RES		594636.720	4139339.200	PM25_PE.PLT
PERIOD	0.00084	ug/m3	NON-RES		594568.720	4139312.420	PM25_PE.PLT
PERIOD	0.00097	ug/m3	NON-RES		594680.000	4139256.780	PM25_PE.PLT
PERIOD	0.00066	ug/m3	NON-RES		594628.480	4139225.870	PM25_PE.PLT
PERIOD	0.01021	ug/m3	NON-RES		594970.540	4139380.420	PM25_PE.PLT
PERIOD	0.00929	ug/m3	NON-RES		594989.090	4139361.870	PM25_PE.PLT

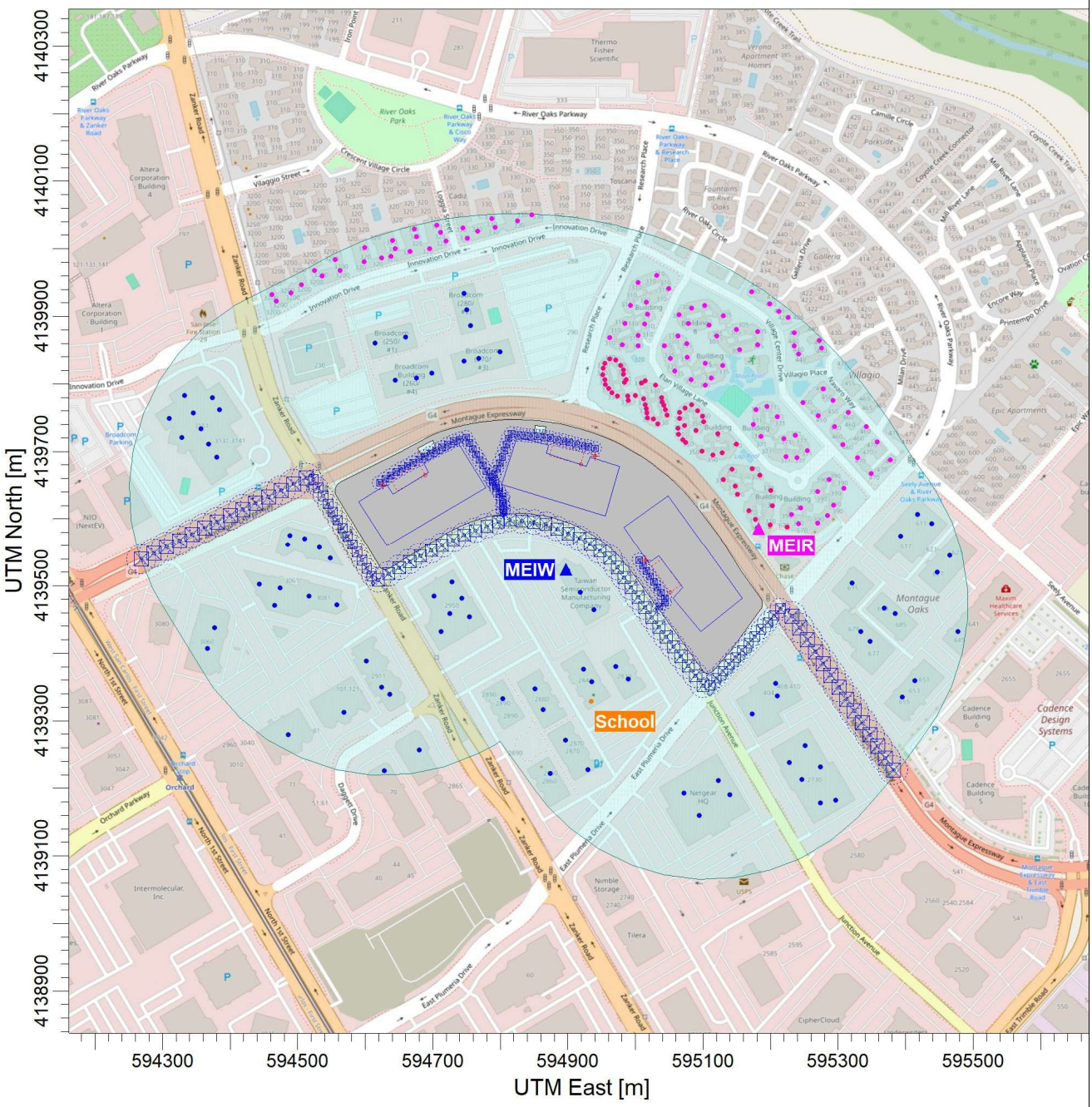
All Receptor Results Summary - PM2.5

Montague Point Industrial Project

Construction Health Risk Assessment

Averaging Period	Conc	Units	Receptor Group	Receptor ID	X (m)	Y (m)	Source file
PERIOD	0.00881	ug/m3	NON-RES		594923.150	4139376.300	PM25_PE.PLT
PERIOD	0.00778	ug/m3	NON-RES		594935.510	4139357.750	PM25_PE.PLT
PERIOD	0.00550	ug/m3	NON-RES		594851.030	4139347.450	PM25_PE.PLT
PERIOD	0.00427	ug/m3	NON-RES		594863.390	4139316.540	PM25_PE.PLT
PERIOD	0.00327	ug/m3	NON-RES		594896.360	4139271.200	PM25_PE.PLT
PERIOD	0.00265	ug/m3	NON-RES		594929.330	4139227.930	PM25_PE.PLT
PERIOD	0.00199	ug/m3	NON-RES		594873.700	4139221.750	PM25_PE.PLT
PERIOD	0.00375	ug/m3	NON-RES		594803.630	4139333.020	PM25_PE.PLT
PERIOD	0.03222	ug/m3	NON-RES	MEIW	595207.520	4139355.690	PM25_PE.PLT
PERIOD	0.02690	ug/m3	NON-RES		595209.580	4139337.140	PM25_PE.PLT
PERIOD	0.01859	ug/m3	NON-RES		595172.490	4139310.360	PM25_PE.PLT
PERIOD	0.01264	ug/m3	NON-RES		595250.790	4139262.960	PM25_PE.PLT
PERIOD	0.00994	ug/m3	NON-RES		595273.460	4139232.050	PM25_PE.PLT
PERIOD	0.00682	ug/m3	NON-RES		595296.120	4139182.600	PM25_PE.PLT
PERIOD	0.00916	ug/m3	NON-RES		595228.120	4139238.230	PM25_PE.PLT
PERIOD	0.00771	ug/m3	NON-RES		595246.670	4139213.510	PM25_PE.PLT
PERIOD	0.00620	ug/m3	NON-RES		595273.460	4139178.480	PM25_PE.PLT
PERIOD	0.00461	ug/m3	NON-RES		595123.030	4139211.450	PM25_PE.PLT
PERIOD	0.00421	ug/m3	NON-RES		595139.520	4139190.840	PM25_PE.PLT
PERIOD	0.00340	ug/m3	NON-RES		595071.520	4139192.900	PM25_PE.PLT
PERIOD	0.00294	ug/m3	NON-RES		595094.180	4139159.930	PM25_PE.PLT
PERIOD	0.00286	ug/m3	NON-RES		595417.700	4139607.090	PM25_PE.PLT
PERIOD	0.00288	ug/m3	NON-RES		595438.310	4139592.660	PM25_PE.PLT
PERIOD	0.00427	ug/m3	NON-RES		595392.970	4139574.120	PM25_PE.PLT
PERIOD	0.01280	ug/m3	NON-RES		595320.850	4139504.050	PM25_PE.PLT
PERIOD	0.00467	ug/m3	NON-RES		595446.550	4139520.540	PM25_PE.PLT
PERIOD	0.00354	ug/m3	NON-RES		595465.090	4139545.270	PM25_PE.PLT
PERIOD	0.01133	ug/m3	NON-RES		595368.250	4139466.960	PM25_PE.PLT
PERIOD	0.01055	ug/m3	NON-RES		595384.730	4139458.720	PM25_PE.PLT
PERIOD	0.01800	ug/m3	NON-RES		595333.210	4139431.930	PM25_PE.PLT
PERIOD	0.01700	ug/m3	NON-RES		595347.640	4139417.510	PM25_PE.PLT
PERIOD	0.00671	ug/m3	NON-RES		595477.460	4139431.930	PM25_PE.PLT
PERIOD	0.01265	ug/m3	NON-RES		595413.580	4139359.810	PM25_PE.PLT
PERIOD	0.01447	ug/m3	NON-RES		595395.030	4139335.080	PM25_PE.PLT
PERIOD	0.00610	ug/m3	SCHOOL	PRESCHOOL	594934.610	4139328.690	PM25_PE.PLT

Montague Point Industrial Project
Operational HRA - Source and Receptor Locations



Source Legend:

- Site
- Exhaust Stack
- Truck Route
- Building
- Truck Idling Area
- 0.25-Mile Buffer

Receptor Legend:

- Residential Receptor
- Nearby Residential Receptor
- Non-Residential Receptor
- School Receptor
- Maximally Exposed Individual Resident (MEIR)
- Maximally Exposed Individual Worker (MEIW)

FCS
An ADEC Innovation

AERMOD View - Lakes Environmental Software

Control Pathway

AERMOD

Dispersion Options

Titles

Montague Point Industrial Project
Operational Health Risk Assessment - Unity Emissions

Dispersion Options

☑ Regulatory Default ☐ Non-Default Options

Dispersion Coefficient

Urban

Population:
Name (Optional):
Roughness Length:

Output Type

☑ Concentration
☐ Total Deposition (Dry & Wet)
☐ Dry Deposition
☐ Wet Deposition

Plume Depletion

☐ Dry Removal
☐ Wet Removal

Output Warnings

☐ No Output Warnings
☐ Non-fatal Warnings for Non-sequential Met Data

Pollutant / Averaging Time / Terrain Options

Pollutant Type

PM10

Averaging Time Options

Hours ☑ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 6 ☐ 8 ☐ 12 ☐ 24

☐ Month ☑ Period ☐ Annual

Exponential Decay

Half-life of 4 hrs will be used

Terrain Height Options

☐ Flat ☑ Elevated

SO: Meters
RE: Meters
TG: Meters

Flagpole Receptors

☐ Yes ☑ No

Default Height = 0.00 m

Control Pathway

Optional Files

Re-Start File	Init File	Multi-Year Analyses	Event Input File	Error Listing File
☐	☐	☐	☐	■

Detailed Error Listing File

Filename: OpHRA.err

Source Pathway - Source Inputs

AERMOD

Point Sources

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Gas Exit Temp. [K]	Gas Exit Velocity [m/s]	Stack Inside Diameter [m]
POINT	FPUMP1	594626.31	4139650.48	6.13	6.00	1.00000	789.00	57.40	0.13
		Fire Pump - bldg 1							
POINT	FPUMP2	594939.85	4139693.03	6.78	6.00	1.00000	789.00	57.40	0.13
		fire pump bldg 2							
POINT	FPUMP3	595015.03	4139538.12	7.11	6.00	1.00000	789.00	57.40	0.13
		fire pump bldg 3							

Area Sources

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/ (s-m^2)]	Length of X Side [m]	Length of Y Side [m]	Orientation Angle from North [deg]	Initial Vertical Dim. [m]
AREA	DOCK1	594688.61	4139664.85	6.71	5.00	0.00038	18.30	47.55	-119.58	1.00
		Building 1 Loading Docks (11 dock doors)								
AREA	DOCK2	594919.07	4139681.16	6.94	5.00	0.00038	18.30	47.55	-74.41	1.00
		Building 2 Loading Docks (11 dock doors)								
AREA	DOCK3	595051.81	4139490.48	7.09	5.00	0.00038	18.30	47.55	-35.51	1.00
		Building 3 Loading Docks (11 dock doors)								

Source Pathway - Source Inputs

Line Volume Sources

Source Type: LINE VOLUME

Source: OFFSITE1 (Montague Drive - 18% of OffSite Routes)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
21.00	0.18000		595225.81	4139463.77	8.32	3.40
			595383.26	4139225.06	8.90	3.40

Source Type: LINE VOLUME

Source: OFFSITE2 (East Plumeria Drive- 11% of OffSite Routes)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
14.00	0.11000		595219.46	4139471.39	8.26	3.40
			595105.19	4139346.95	7.15	3.40

Source Type: LINE VOLUME

Source: OFFSITE3 (Junction Drive - 40% of OffSite Routes)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
18.00	0.40000		594611.65	4139503.89	5.78	3.40
			594677.39	4139542.73	6.01	3.40
			594749.10	4139577.09	6.50	3.40
			594807.36	4139599.50	6.17	3.40
			594864.14	4139593.53	6.36	3.40
			594923.89	4139568.13	6.33	3.40
			594964.23	4139539.75	6.48	3.40
			595035.94	4139436.66	7.19	3.40
			595103.17	4139348.52	7.15	3.40

Source Pathway - Source Inputs

AERMOD

Source Type: LINE VOLUME
Source: OFFSITE4 (Zanker Rd - 12% of OffSite Routes)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
14.00	0.12000		594519.83	4139664.39	6.51	3.40
			594615.07	4139504.40	5.81	3.40

Source Type: LINE VOLUME
Source: OFFSITE5 (Montague Expresway - 18% of OffSite Routes)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
21.00	0.18000		594522.37	4139665.66	6.51	3.40
			594264.62	4139537.42	6.05	3.40

Source Type: LINE VOLUME
Source: ONSITE1 (OnSite Travel to Bldg 1 - 44% of Onsite Travel)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
9.66	0.44000		594804.57	4139605.14	6.17	3.40
			594803.42	4139630.30	6.26	3.40
			594763.40	4139697.19	6.65	3.40
			594749.11	4139720.64	6.29	3.40
			594730.81	4139714.92	6.24	3.40
			594702.22	4139700.05	6.41	3.40
			594677.64	4139686.90	6.32	3.40
			594647.90	4139670.89	6.19	3.40
			594618.74	4139652.02	6.19	3.40

Source Pathway - Source Inputs

Source Type: LINE VOLUME
Source: ONSITE2 (Onsite Travel to Bldg 2 - 41% of Onsite Travel)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
9.66	0.41000		594805.14	4139608.57	6.18	3.40
			594804.00	4139632.58	6.29	3.40
			594787.42	4139657.74	6.56	3.40
			594802.85	4139690.90	6.58	3.40
			594814.29	4139726.35	6.41	3.40
			594873.75	4139720.06	6.77	3.40
			594892.05	4139715.49	6.65	3.40
			594944.08	4139703.48	6.63	3.40

Source Type: LINE VOLUME
Source: ONSITE3 (Onsite Travel to Bldg 3 - 15% of Onsite travel)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
9.66	0.15000		595031.56	4139466.20	7.01	3.40
			595046.43	4139477.06	6.81	3.40
			595004.69	4139539.39	6.81	3.40

Source Pathway - Source Inputs

AERMOD

Volume Sources Generated from Line Sources

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE3	L0000376	595035.46	4139469.05	6.94	3.40	0.01500	9.66		4.49	3.16
	L0000377	595043.26	4139474.75	6.75	3.40	0.01500	9.66		4.49	3.16
	L0000378	595043.24	4139481.83	6.80	3.40	0.01500	9.66		4.49	3.16
	L0000379	595037.86	4139489.85	6.76	3.40	0.01500	9.66		4.49	3.16
	L0000380	595032.49	4139497.87	6.73	3.40	0.01500	9.66		4.49	3.16
	L0000381	595027.11	4139505.90	6.72	3.40	0.01500	9.66		4.49	3.16
	L0000382	595021.74	4139513.92	6.74	3.40	0.01500	9.66		4.49	3.16
	L0000383	595016.37	4139521.95	6.77	3.40	0.01500	9.66		4.49	3.16
	L0000384	595010.99	4139529.97	6.81	3.40	0.01500	9.66		4.49	3.16
	L0000385	595005.62	4139538.00	6.82	3.40	0.01500	9.66		4.49	3.16

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE1	L0000386	594804.35	4139609.96	6.18	3.40	0.01517	9.66		4.49	3.16
	L0000387	594803.91	4139619.61	6.21	3.40	0.01517	9.66		4.49	3.16
	L0000388	594803.47	4139629.26	6.26	3.40	0.01517	9.66		4.49	3.16
	L0000389	594799.00	4139637.69	6.31	3.40	0.01517	9.66		4.49	3.16
	L0000390	594794.04	4139645.98	6.35	3.40	0.01517	9.66		4.49	3.16
	L0000391	594789.08	4139654.27	6.49	3.40	0.01517	9.66		4.49	3.16
	L0000392	594784.13	4139662.55	6.65	3.40	0.01517	9.66		4.49	3.16
	L0000393	594779.17	4139670.84	6.74	3.40	0.01517	9.66		4.49	3.16
	L0000394	594774.21	4139679.13	6.75	3.40	0.01517	9.66		4.49	3.16
	L0000395	594769.25	4139687.42	6.71	3.40	0.01517	9.66		4.49	3.16
	L0000396	594764.29	4139695.70	6.65	3.40	0.01517	9.66		4.49	3.16
	L0000397	594759.28	4139703.96	6.47	3.40	0.01517	9.66		4.49	3.16

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE1	L0000398	594754.25	4139712.20	6.29	3.40	0.01517	9.66		4.49	3.16
	L0000399	594749.22	4139720.45	6.22	3.40	0.01517	9.66		4.49	3.16
	L0000400	594740.10	4139717.82	6.20	3.40	0.01517	9.66		4.49	3.16
	L0000401	594730.88	4139714.94	6.25	3.40	0.01517	9.66		4.49	3.16
	L0000402	594722.31	4139710.50	6.28	3.40	0.01517	9.66		4.49	3.16
	L0000403	594713.74	4139706.04	6.32	3.40	0.01517	9.66		4.49	3.16
	L0000404	594705.17	4139701.58	6.41	3.40	0.01517	9.66		4.49	3.16
	L0000405	594696.64	4139697.06	6.37	3.40	0.01517	9.66		4.49	3.16
	L0000406	594688.12	4139692.51	6.40	3.40	0.01517	9.66		4.49	3.16
	L0000407	594679.60	4139687.95	6.34	3.40	0.01517	9.66		4.49	3.16
	L0000408	594671.10	4139683.38	6.32	3.40	0.01517	9.66		4.49	3.16
	L0000409	594662.59	4139678.80	6.27	3.40	0.01517	9.66		4.49	3.16
	L0000410	594654.09	4139674.22	6.20	3.40	0.01517	9.66		4.49	3.16
	L0000411	594645.70	4139669.46	6.23	3.40	0.01517	9.66		4.49	3.16
	L0000412	594637.59	4139664.22	6.24	3.40	0.01517	9.66		4.49	3.16
	L0000413	594629.48	4139658.97	6.15	3.40	0.01517	9.66		4.49	3.16
	L0000414	594621.37	4139653.72	6.20	3.40	0.01517	9.66		4.49	3.16

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE2	L0000415	594804.91	4139613.39	6.18	3.40	0.01519	9.66		4.49	3.16
	L0000416	594804.45	4139623.04	6.22	3.40	0.01519	9.66		4.49	3.16
	L0000417	594803.94	4139632.67	6.28	3.40	0.01519	9.66		4.49	3.16
	L0000418	594798.63	4139640.73	6.32	3.40	0.01519	9.66		4.49	3.16
	L0000419	594793.31	4139648.80	6.36	3.40	0.01519	9.66		4.49	3.16
	L0000420	594788.00	4139656.86	6.52	3.40	0.01519	9.66		4.49	3.16

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE2	L0000421	594791.05	4139665.54	6.53	3.40	0.01519	9.66		4.49	3.16
	L0000422	594795.12	4139674.30	6.63	3.40	0.01519	9.66		4.49	3.16
	L0000423	594799.20	4139683.05	6.67	3.40	0.01519	9.66		4.49	3.16
	L0000424	594803.16	4139691.85	6.61	3.40	0.01519	9.66		4.49	3.16
	L0000425	594806.12	4139701.04	6.56	3.40	0.01519	9.66		4.49	3.16
	L0000426	594809.09	4139710.23	6.56	3.40	0.01519	9.66		4.49	3.16
	L0000427	594812.05	4139719.42	6.54	3.40	0.01519	9.66		4.49	3.16
	L0000428	594816.65	4139726.10	6.43	3.40	0.01519	9.66		4.49	3.16
	L0000429	594826.26	4139725.09	6.49	3.40	0.01519	9.66		4.49	3.16
	L0000430	594835.86	4139724.07	6.54	3.40	0.01519	9.66		4.49	3.16
	L0000431	594845.47	4139723.06	6.61	3.40	0.01519	9.66		4.49	3.16
	L0000432	594855.07	4139722.04	6.70	3.40	0.01519	9.66		4.49	3.16
	L0000433	594864.67	4139721.02	6.76	3.40	0.01519	9.66		4.49	3.16
	L0000434	594874.26	4139719.94	6.77	3.40	0.01519	9.66		4.49	3.16
	L0000435	594883.63	4139717.59	6.71	3.40	0.01519	9.66		4.49	3.16
	L0000436	594893.01	4139715.27	6.67	3.40	0.01519	9.66		4.49	3.16
	L0000437	594902.42	4139713.10	6.64	3.40	0.01519	9.66		4.49	3.16
	L0000438	594911.83	4139710.92	6.59	3.40	0.01519	9.66		4.49	3.16
	L0000439	594921.24	4139708.75	6.60	3.40	0.01519	9.66		4.49	3.16
	L0000440	594930.65	4139706.58	6.71	3.40	0.01519	9.66		4.49	3.16
	L0000441	594940.06	4139704.41	6.74	3.40	0.01519	9.66		4.49	3.16

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
OFFSITE3	L0000442	594619.40	4139508.47	5.93	3.40	0.01143	18.00		8.37	3.16
	L0000443	594634.90	4139517.63	5.81	3.40	0.01143	18.00		8.37	3.16

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
OFFSITE3	L0000444	594650.39	4139526.78	5.96	3.40	0.01143	18.00		8.37	3.16
	L0000445	594665.89	4139535.94	6.00	3.40	0.01143	18.00		8.37	3.16
	L0000446	594681.58	4139544.74	6.07	3.40	0.01143	18.00		8.37	3.16
	L0000447	594697.81	4139552.52	6.10	3.40	0.01143	18.00		8.37	3.16
	L0000448	594714.04	4139560.30	6.16	3.40	0.01143	18.00		8.37	3.16
	L0000449	594730.27	4139568.08	6.30	3.40	0.01143	18.00		8.37	3.16
	L0000450	594746.51	4139575.85	6.41	3.40	0.01143	18.00		8.37	3.16
	L0000451	594763.22	4139582.53	6.21	3.40	0.01143	18.00		8.37	3.16
	L0000452	594780.02	4139588.99	6.24	3.40	0.01143	18.00		8.37	3.16
	L0000453	594796.82	4139595.45	6.07	3.40	0.01143	18.00		8.37	3.16
	L0000454	594814.03	4139598.80	6.20	3.40	0.01143	18.00		8.37	3.16
	L0000455	594831.93	4139596.92	6.29	3.40	0.01143	18.00		8.37	3.16
	L0000456	594849.83	4139595.03	6.29	3.40	0.01143	18.00		8.37	3.16
	L0000457	594867.46	4139592.11	6.42	3.40	0.01143	18.00		8.37	3.16
	L0000458	594884.03	4139585.07	6.36	3.40	0.01143	18.00		8.37	3.16
	L0000459	594900.59	4139578.03	6.36	3.40	0.01143	18.00		8.37	3.16
	L0000460	594917.16	4139570.99	6.32	3.40	0.01143	18.00		8.37	3.16
	L0000461	594932.63	4139561.98	6.39	3.40	0.01143	18.00		8.37	3.16
	L0000462	594947.35	4139551.62	6.44	3.40	0.01143	18.00		8.37	3.16
	L0000463	594962.07	4139541.26	6.45	3.40	0.01143	18.00		8.37	3.16
	L0000464	594973.00	4139527.14	6.49	3.40	0.01143	18.00		8.37	3.16
	L0000465	594983.28	4139512.36	6.58	3.40	0.01143	18.00		8.37	3.16
	L0000466	594993.56	4139497.58	6.68	3.40	0.01143	18.00		8.37	3.16
	L0000467	595003.84	4139482.81	6.70	3.40	0.01143	18.00		8.37	3.16
	L0000468	595014.12	4139468.03	6.75	3.40	0.01143	18.00		8.37	3.16

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
OFFSITE3	L0000469	595024.40	4139453.26	6.89	3.40	0.01143	18.00		8.37	3.16
	L0000470	595034.68	4139438.48	7.02	3.40	0.01143	18.00		8.37	3.16
	L0000471	595045.52	4139424.11	7.06	3.40	0.01143	18.00		8.37	3.16
	L0000472	595056.43	4139409.80	7.11	3.40	0.01143	18.00		8.37	3.16
	L0000473	595067.35	4139395.49	7.14	3.40	0.01143	18.00		8.37	3.16
	L0000474	595078.26	4139381.17	7.19	3.40	0.01143	18.00		8.37	3.16
	L0000475	595089.18	4139366.86	7.25	3.40	0.01143	18.00		8.37	3.16
	L0000476	595100.10	4139352.55	7.21	3.40	0.01143	18.00		8.37	3.16

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
OFFSITE1	L0000477	595231.59	4139455.00	8.35	3.40	0.01286	21.00		9.77	3.16
	L0000478	595243.16	4139437.47	8.39	3.40	0.01286	21.00		9.77	3.16
	L0000479	595254.72	4139419.94	8.41	3.40	0.01286	21.00		9.77	3.16
	L0000480	595266.28	4139402.41	8.46	3.40	0.01286	21.00		9.77	3.16
	L0000481	595277.84	4139384.88	8.53	3.40	0.01286	21.00		9.77	3.16
	L0000482	595289.41	4139367.35	8.57	3.40	0.01286	21.00		9.77	3.16
	L0000483	595300.97	4139349.82	8.60	3.40	0.01286	21.00		9.77	3.16
	L0000484	595312.53	4139332.29	8.66	3.40	0.01286	21.00		9.77	3.16
	L0000485	595324.09	4139314.76	8.67	3.40	0.01286	21.00		9.77	3.16
	L0000486	595335.66	4139297.23	8.71	3.40	0.01286	21.00		9.77	3.16
	L0000487	595347.22	4139279.70	8.76	3.40	0.01286	21.00		9.77	3.16
	L0000488	595358.78	4139262.17	8.82	3.40	0.01286	21.00		9.77	3.16
	L0000489	595370.34	4139244.64	8.86	3.40	0.01286	21.00		9.77	3.16
	L0000490	595381.91	4139227.11	8.90	3.40	0.01286	21.00		9.77	3.16

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
OFFSITE2	L0000491	595214.73	4139466.23	8.27	3.40	0.00917	14.00		6.51	3.16
	L0000492	595205.26	4139455.92	8.04	3.40	0.00917	14.00		6.51	3.16
	L0000493	595195.79	4139445.61	7.94	3.40	0.00917	14.00		6.51	3.16
	L0000494	595186.32	4139435.30	7.88	3.40	0.00917	14.00		6.51	3.16
	L0000495	595176.85	4139424.99	7.81	3.40	0.00917	14.00		6.51	3.16
	L0000496	595167.38	4139414.68	7.73	3.40	0.00917	14.00		6.51	3.16
	L0000497	595157.91	4139404.36	7.66	3.40	0.00917	14.00		6.51	3.16
	L0000498	595148.44	4139394.05	7.59	3.40	0.00917	14.00		6.51	3.16
	L0000499	595138.97	4139383.74	7.51	3.40	0.00917	14.00		6.51	3.16
	L0000500	595129.50	4139373.43	7.39	3.40	0.00917	14.00		6.51	3.16
	L0000501	595120.03	4139363.12	7.25	3.40	0.00917	14.00		6.51	3.16
	L0000502	595110.56	4139352.81	7.16	3.40	0.00917	14.00		6.51	3.16

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
OFFSITE4	ROAD0503	594523.42	4139658.37	6.45	3.40	0.00923	14.00		6.51	3.16
	ROAD0504	594530.58	4139646.34	6.22	3.40	0.00923	14.00		6.51	3.16
	ROAD0505	594537.74	4139634.31	5.95	3.40	0.00923	14.00		6.51	3.16
	ROAD0506	594544.90	4139622.28	5.75	3.40	0.00923	14.00		6.51	3.16
	ROAD0507	594552.06	4139610.25	5.68	3.40	0.00923	14.00		6.51	3.16
	ROAD0508	594559.22	4139598.22	5.70	3.40	0.00923	14.00		6.51	3.16
	ROAD0509	594566.38	4139586.19	5.76	3.40	0.00923	14.00		6.51	3.16
	ROAD0510	594573.54	4139574.16	5.83	3.40	0.00923	14.00		6.51	3.16
	ROAD0511	594580.70	4139562.13	5.87	3.40	0.00923	14.00		6.51	3.16
	ROAD0512	594587.86	4139550.10	5.86	3.40	0.00923	14.00		6.51	3.16
	ROAD0513	594595.02	4139538.07	5.83	3.40	0.00923	14.00		6.51	3.16

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
OFFSITE4	ROAD0514	594602.18	4139526.04	5.82	3.40	0.00923	14.00		6.51	3.16
	ROAD0515	594609.34	4139514.01	5.82	3.40	0.00923	14.00		6.51	3.16

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
OFFSITE5	ROAD0516	594512.97	4139660.98	6.50	3.40	0.01286	21.00		9.77	3.16
	ROAD0517	594494.17	4139651.63	6.50	3.40	0.01286	21.00		9.77	3.16
	ROAD0518	594475.37	4139642.27	6.44	3.40	0.01286	21.00		9.77	3.16
	ROAD0519	594456.57	4139632.92	6.42	3.40	0.01286	21.00		9.77	3.16
	ROAD0520	594437.77	4139623.56	6.37	3.40	0.01286	21.00		9.77	3.16
	ROAD0521	594418.97	4139614.21	6.33	3.40	0.01286	21.00		9.77	3.16
	ROAD0522	594400.17	4139604.86	6.29	3.40	0.01286	21.00		9.77	3.16
	ROAD0523	594381.36	4139595.50	6.24	3.40	0.01286	21.00		9.77	3.16
	ROAD0524	594362.56	4139586.15	6.19	3.40	0.01286	21.00		9.77	3.16
	ROAD0525	594343.76	4139576.79	6.18	3.40	0.01286	21.00		9.77	3.16
	ROAD0526	594324.96	4139567.44	6.17	3.40	0.01286	21.00		9.77	3.16
	ROAD0527	594306.16	4139558.08	6.14	3.40	0.01286	21.00		9.77	3.16
	ROAD0528	594287.36	4139548.73	6.12	3.40	0.01286	21.00		9.77	3.16
	ROAD0529	594268.55	4139539.37	6.05	3.40	0.01286	21.00		9.77	3.16

Building Downwash Information

Source ID: FPUMP1

Heights [m] (10 to 360 deg)

10-60 deg	14.33	14.33	14.33	14.33	14.33	14.33
70-120 deg	14.33	14.33	14.33	14.33	14.33	14.33
130-180 deg	14.33	14.33	14.33	14.33	14.33	14.33
190-240 deg	14.33	14.33	14.33	14.33	14.33	14.33
250-300 deg	14.33	14.33	14.33	14.33	14.33	14.33
310-360 deg	14.33	14.33	14.33	14.33	14.33	14.33

Widths [m] (10 to 360 deg)

10-60 deg	181.07	169.00	151.80	129.98	104.21	80.32
70-120 deg	106.73	131.43	152.14	168.22	179.20	184.72
130-180 deg	184.64	178.94	173.21	183.65	188.51	187.64
190-240 deg	181.07	169.00	151.80	129.98	104.21	80.32
250-300 deg	106.73	131.43	152.14	168.22	179.20	184.72
310-360 deg	184.64	178.94	173.21	183.65	188.51	187.64

Lengths [m] (10 to 360 deg)

10-60 deg	168.22	179.20	184.72	184.64	178.94	173.21
70-120 deg	183.65	188.51	187.64	181.07	169.00	151.80
130-180 deg	129.98	104.21	80.32	106.73	131.43	152.14
190-240 deg	168.22	179.20	184.72	184.64	178.94	173.21
250-300 deg	183.65	188.51	187.64	181.07	169.00	151.80
310-360 deg	129.98	104.21	80.32	106.73	131.43	152.14

Along Flow [m] (10 to 360 deg)

10-60 deg	-88.23	-83.13	-75.49	-65.57	-53.65	-43.53
70-120 deg	-42.16	-39.51	-35.66	-30.73	-24.86	-18.24
130-180 deg	-11.06	-3.55	1.22	-19.48	-41.10	-61.48
190-240 deg	-79.99	-96.07	-109.23	-119.07	-125.29	-129.68
250-300 deg	-141.49	-149.00	-151.98	-150.34	-144.14	-133.56
310-360 deg	-118.92	-100.66	-81.53	-87.26	-90.33	-90.66

Across Flow [m] (10 to 360 deg)

10-60 deg	-59.81	-59.64	-57.66	-53.93	-48.56	-41.38
70-120 deg	-33.89	-24.61	-14.59	-4.12	6.47	16.87
130-180 deg	26.75	35.82	43.08	49.66	54.74	58.16
190-240 deg	59.81	59.64	57.66	53.93	48.56	41.38
250-300 deg	33.89	24.61	14.59	4.12	-6.47	-16.87
310-360 deg	-26.75	-35.82	-43.08	-49.66	-54.74	-58.16

Source ID: FPUMP2

Heights [m] (10 to 360 deg)

10-60 deg	14.33	14.33	14.33	14.33	14.33	14.33

70-120 deg	14.33	14.33	14.33	14.33	14.33	14.33
130-180 deg	14.33	14.33	14.33	14.33	14.33	14.33
190-240 deg	14.33	14.33	14.33	14.33	14.33	14.33
250-300 deg	14.33	14.33	14.33	14.33	14.33	14.33
310-360 deg	14.33	14.33	14.33	14.33	14.33	14.33
Widths [m] (10 to 360 deg)						
10-60 deg	167.33	162.29	170.60	173.73	171.58	164.21
70-120 deg	151.86	134.89	113.82	91.21	85.15	110.76
130-180 deg	133.00	151.19	164.80	173.39	176.72	174.68
190-240 deg	167.33	162.29	170.60	173.73	171.58	164.21
250-300 deg	151.86	134.89	113.82	91.21	85.15	110.76
310-360 deg	133.00	151.19	164.80	173.39	176.72	174.68
Lengths [m] (10 to 360 deg)						
10-60 deg	91.21	85.15	110.76	133.00	151.19	164.80
70-120 deg	173.39	176.72	174.68	167.33	162.29	170.60
130-180 deg	173.73	171.58	164.21	151.86	134.89	113.82
190-240 deg	91.21	85.15	110.76	133.00	151.19	164.80
250-300 deg	173.39	176.72	174.68	167.33	162.29	170.60
310-360 deg	173.73	171.58	164.21	151.86	134.89	113.82
Along Flow [m] (10 to 360 deg)						
10-60 deg	-84.68	-86.56	-105.25	-120.75	-132.58	-140.38
70-120 deg	-143.92	-143.08	-137.90	-128.53	-117.52	-112.95
130-180 deg	-104.95	-93.76	-79.72	-63.26	-44.88	-25.13
190-240 deg	-6.54	1.40	-5.50	-12.24	-18.61	-24.41
250-300 deg	-29.47	-33.64	-36.78	-38.81	-44.77	-57.65
310-360 deg	-68.78	-77.81	-84.49	-88.59	-90.01	-88.69
Across Flow [m] (10 to 360 deg)						
10-60 deg	44.86	36.38	27.65	18.09	7.97	-2.38
70-120 deg	-12.67	-22.57	-31.78	-39.07	-43.98	-49.88
130-180 deg	-54.26	-56.99	-57.99	-57.22	-54.72	-50.56
190-240 deg	-44.86	-36.38	-27.65	-18.09	-7.97	2.38
250-300 deg	12.67	22.57	31.78	39.07	43.98	49.88
310-360 deg	54.26	56.99	57.99	57.22	54.72	50.56

Source ID: FPUMP3

Heights [m] (10 to 360 deg)						
10-60 deg	14.33	14.33	14.33	14.33	14.33	14.33
70-120 deg	14.33	14.33	14.33	14.33	14.33	14.33
130-180 deg	14.33	14.33	14.33	14.33	14.33	14.33
190-240 deg	14.33	14.33	14.33	14.33	14.33	14.33
250-300 deg	14.33	14.33	14.33	14.33	14.33	14.33
310-360 deg	14.33	14.33	14.33	14.33	14.33	14.33

Source Pathway

Widths [m] (10 to 360 deg)						
10-60 deg	191.53	201.44	205.22	202.77	194.16	199.12
70-120 deg	206.46	207.52	202.28	190.89	173.70	151.23
130-180 deg	124.17	93.34	99.29	128.98	154.74	175.81
190-240 deg	191.53	201.44	205.22	202.77	194.16	199.12
250-300 deg	206.46	207.52	202.28	190.89	173.70	151.23
310-360 deg	124.17	93.34	99.29	128.98	154.74	175.81
Lengths [m] (10 to 360 deg)						
10-60 deg	190.89	173.70	151.23	124.17	93.34	99.29
70-120 deg	128.98	154.74	175.81	191.53	201.44	205.22
130-180 deg	202.77	194.16	199.12	206.46	207.52	202.28
190-240 deg	190.89	173.70	151.23	124.17	93.34	99.29
250-300 deg	128.98	154.74	175.81	191.53	201.44	205.22
310-360 deg	202.77	194.16	199.12	206.46	207.52	202.28
Along Flow [m] (10 to 360 deg)						
10-60 deg	-90.42	-71.88	-51.17	-28.90	-5.75	-3.24
70-120 deg	-13.40	-23.16	-32.21	-40.28	-47.13	-52.55
130-180 deg	-56.37	-58.48	-66.35	-78.75	-88.76	-96.08
190-240 deg	-100.48	-101.82	-100.07	-95.28	-87.59	-96.05
250-300 deg	-115.57	-131.59	-143.60	-151.25	-154.31	-152.67
310-360 deg	-146.40	-135.68	-132.78	-127.71	-118.76	-106.20
Across Flow [m] (10 to 360 deg)						
10-60 deg	-55.48	-53.59	-50.06	-45.01	-38.60	-33.21
70-120 deg	-24.48	-15.00	-5.06	5.03	14.97	24.45
130-180 deg	33.19	40.92	46.41	51.09	54.21	55.70
190-240 deg	55.48	53.59	50.06	45.01	38.60	33.21
250-300 deg	24.48	15.00	5.06	-5.03	-14.97	-24.45
310-360 deg	-33.19	-40.92	-46.41	-51.09	-54.21	-55.70

Emission Rate Units for Output

For Concentration

Unit Factor:	1E6
Emission Unit Label:	GRAMS/SEC
Concentration Unit Label:	MICROGRAMS/M**3

Source Pathway

Source Groups

Source Group ID: ONSITE	List of Sources in Group (Source Range or Single Sources)
	ONSITE3
	ONSITE2
	ONSITE1

Source Group ID: OFFSITE	List of Sources in Group (Source Range or Single Sources)
	OFFSITE4
	OFFSITE2
	OFFSITE5
	OFFSITE1
	OFFSITE3

Source Group ID: FPUMP3	List of Sources in Group (Source Range or Single Sources)
	FPUMP3

Source Group ID: FPUMP2	List of Sources in Group (Source Range or Single Sources)
	FPUMP2

Source Group ID: FPUMP1	List of Sources in Group (Source Range or Single Sources)
	FPUMP1

Source Group ID: DOCKS	List of Sources in Group (Source Range or Single Sources)
	DOCK1
	DOCK2
	DOCK3

Source Group ID: ALL	List of Sources in Group (Source Range or Single Sources)
	All Sources Included

Receptor Pathway

Receptor Networks

Note: Terrain Elavations and Flagpole Heights for Network Grids are in Page RE2 - 1 (If applicable)
Generated Discrete Receptors for Multi-Tier (Risk) Grid and Receptor Locations for Fenceline Grid are in Page RE3 - 1 (If applicable)

Discrete Receptors

Discrete Cartesian Receptors

Record Number	X-Coordinate [m]	Y-Coordinate [m]	Group Name (Optional)	Terrain Elevations	Flagpole Heights [m] (Optional)
1	594989.70	4139775.36	NEAR-RES	9.74	
2	594988.69	4139781.97	NEAR-RES	9.81	
3	594973.43	4139781.97	NEAR-RES	9.66	
4	594965.30	4139787.05	NEAR-RES	9.52	
5	594960.21	4139793.16	NEAR-RES	9.54	
6	594955.13	4139799.26	NEAR-RES	9.53	
7	594954.62	4139806.37	NEAR-RES	9.59	
8	594951.57	4139813.49	NEAR-RES	9.44	
9	594952.59	4139823.15	NEAR-RES	9.48	
10	594954.62	4139830.27	NEAR-RES	9.38	
11	594961.74	4139836.88	NEAR-RES	9.31	
12	594970.89	4139835.36	NEAR-RES	9.51	
13	594978.41	4139827.42	NEAR-RES	9.70	
14	594982.07	4139821.18	NEAR-RES	9.83	
15	594981.97	4139814.43	NEAR-RES	9.88	
16	594986.53	4139806.46	NEAR-RES	9.94	
17	594984.11	4139802.31	NEAR-RES	9.90	
18	594999.87	4139782.99	NEAR-RES	9.77	
19	595014.14	4139805.02	NEAR-RES	9.51	
20	595008.52	4139801.80	NEAR-RES	9.76	
21	595012.11	4139778.10	NEAR-RES	9.51	
22	595014.09	4139769.43	NEAR-RES	9.49	
23	595015.69	4139763.83	NEAR-RES	9.41	
24	595016.55	4139756.80	NEAR-RES	9.38	
25	595017.88	4139749.51	NEAR-RES	9.29	
26	595026.82	4139748.41	NEAR-RES	9.09	
27	595033.43	4139740.79	NEAR-RES	8.70	
28	595065.46	4139748.92	NEAR-RES	8.23	
29	595030.15	4139798.54	NEAR-RES	8.97	
30	595062.92	4139734.68	NEAR-RES	8.84	

31	595063.43	4139725.53	NEAR-RES	9.30
32	595070.55	4139717.40	NEAR-RES	9.75
33	595074.62	4139713.33	NEAR-RES	9.77
34	595039.52	4139773.06	NEAR-RES	8.75
35	595046.92	4139754.16	NEAR-RES	7.91
36	595038.72	4139779.33	NEAR-RES	8.96
37	595072.58	4139738.75	NEAR-RES	9.21
38	595065.46	4139757.56	NEAR-RES	8.19
39	595073.60	4139764.17	NEAR-RES	8.52
40	595083.26	4139769.26	NEAR-RES	8.57
41	595092.41	4139760.61	NEAR-RES	9.15
42	595044.59	4139761.94	NEAR-RES	8.02
43	595042.09	4139768.08	NEAR-RES	8.40
44	595089.36	4139731.12	NEAR-RES	10.58
45	595101.05	4139744.34	NEAR-RES	10.80
46	595099.02	4139751.97	NEAR-RES	10.10
47	594468.18	4139923.01	RES	6.79
48	594489.69	4139934.84	RES	7.67
49	594505.82	4139946.67	RES	7.75
50	594535.94	4139959.58	RES	8.03
51	594562.83	4139968.18	RES	7.56
52	594598.32	4139981.09	RES	7.83
53	594624.13	4139986.47	RES	7.78
54	594638.12	4139988.62	RES	7.56
55	594666.08	4139996.15	RES	7.79
56	594695.12	4140000.45	RES	7.42
57	594719.86	4140011.21	RES	7.39
58	594711.25	4140024.11	RES	8.24
59	594705.88	4140034.87	RES	8.39
60	594672.53	4140029.49	RES	9.41
61	594675.76	4140017.66	RES	9.35
62	594640.27	4140012.28	RES	9.67
63	594644.57	4140000.45	RES	9.28
64	594599.40	4140001.53	RES	9.13
65	594555.30	4139984.32	RES	9.00
66	594525.18	4139968.18	RES	8.84
67	594461.73	4139932.69	RES	6.88
68	594744.60	4140030.57	RES	8.56

69	594751.05	4140015.51	RES	7.29
70	594766.11	4140026.26	RES	8.18
71	594787.62	4140044.55	RES	9.63
72	594791.92	4140031.64	RES	8.35
73	594825.26	4140041.32	RES	8.27
74	594846.77	4140049.93	RES	8.47
75	595098.45	4139700.37	NEAR-RES	9.58
76	595114.58	4139695.00	NEAR-RES	8.66
77	595128.56	4139698.22	NEAR-RES	8.47
78	595149.00	4139711.13	NEAR-RES	8.61
79	595122.11	4139726.19	NEAR-RES	9.87
80	595142.55	4139673.49	NEAR-RES	8.73
81	595129.64	4139658.43	NEAR-RES	9.74
82	595147.92	4139648.75	NEAR-RES	10.15
83	595151.15	4139636.92	NEAR-RES	10.42
84	595184.49	4139664.88	NEAR-RES	10.21
85	595172.66	4139674.56	NEAR-RES	8.95
86	595200.63	4139642.30	NEAR-RES	10.56
87	595168.36	4139612.18	NEAR-RES	10.06
88	595178.04	4139599.27	NEAR-RES	10.01
89	595180.19	4139586.37	NEAR-RES	9.71
90	595199.55	4139591.74	NEAR-RES	9.95
91	595202.78	4139619.71	NEAR-RES	10.71
92	595224.29	4139588.52	NEAR-RES	9.90
93	595230.74	4139606.80	RES	10.23
94	595244.72	4139616.48	RES	10.11
95	595241.50	4139592.82	RES	9.99
96	595269.46	4139593.90	RES	9.91
97	594992.25	4139916.25	RES	9.64
98	595003.64	4139950.42	RES	9.73
99	595031.48	4139960.54	RES	9.65
100	595049.19	4139941.56	RES	9.43
101	595016.29	4139921.31	RES	9.94
102	595017.56	4139903.60	RES	9.86
103	594984.66	4139889.68	RES	9.37
104	594961.88	4139868.17	RES	9.25
105	594980.86	4139858.04	RES	8.68
106	595003.64	4139871.96	RES	8.98

107	595003.64	4139856.78	RES	8.34
108	595013.76	4139888.41	RES	9.39
109	595042.86	4139856.78	RES	9.64
110	595051.72	4139837.80	RES	10.27
111	595058.05	4139818.82	RES	9.52
112	595077.03	4139839.06	RES	11.86
113	595075.76	4139859.31	RES	12.39
114	595063.11	4139870.70	RES	11.16
115	595064.38	4139902.33	RES	9.86
116	595078.29	4139889.68	RES	11.53
117	595083.36	4139912.46	RES	10.57
118	595102.34	4139916.25	RES	10.47
119	595130.18	4139901.07	RES	10.91
120	595108.66	4139887.15	RES	12.50
121	595120.05	4139870.70	RES	11.92
122	595149.16	4139880.82	RES	9.94
123	595180.79	4139877.03	RES	9.74
124	595180.79	4139858.04	RES	9.47
125	595154.22	4139850.45	RES	9.30
126	595103.60	4139830.21	RES	11.86
127	595128.91	4139827.68	RES	9.89
128	595112.46	4139808.69	RES	10.04
129	595103.60	4139798.57	RES	9.14
130	595082.09	4139806.16	RES	9.26
131	595178.26	4139761.88	RES	9.59
132	595174.46	4139740.36	RES	9.70
133	595194.71	4139766.94	RES	9.63
134	595209.89	4139751.75	RES	9.77
135	595185.85	4139722.65	RES	9.59
136	595220.02	4139718.85	RES	9.75
137	595236.47	4139723.91	RES	9.69
138	595222.55	4139692.28	RES	9.56
139	595239.00	4139691.02	RES	9.49
140	595254.18	4139701.14	RES	9.49
141	595269.37	4139640.40	RES	10.78
142	595287.08	4139658.12	RES	10.58
143	595284.41	4139605.17	RES	9.88
144	595308.59	4139645.46	RES	10.41

145	595293.41	4139620.15	RES	10.08
146	595171.93	4139936.50	RES	8.95
147	595198.51	4139918.78	RES	9.04
148	595212.42	4139907.39	RES	8.66
149	595226.34	4139898.54	RES	8.56
150	595235.20	4139875.76	RES	8.78
151	595235.20	4139856.78	RES	9.01
152	595241.53	4139844.13	RES	9.37
153	595271.90	4139864.37	RES	8.70
154	595275.69	4139852.98	RES	8.68
155	595278.22	4139792.25	RES	9.07
156	595247.85	4139772.00	RES	9.15
157	595270.63	4139753.02	RES	9.44
158	595292.14	4139775.80	RES	9.12
159	595314.92	4139758.08	RES	9.53
160	595341.49	4139736.57	RES	9.32
161	595307.33	4139710.00	RES	9.51
162	595294.67	4139736.57	RES	9.93
163	595357.94	4139713.79	RES	9.36
164	595328.84	4139691.02	RES	9.69
165	595349.08	4139666.97	RES	9.80
166	595376.92	4139687.22	RES	9.77
167	594745.83	4139933.59	NON-RES	6.98
168	594750.13	4139909.93	NON-RES	6.84
169	594755.51	4139886.27	NON-RES	6.85
170	594799.61	4139847.54	NON-RES	6.95
171	594768.42	4139837.86	NON-RES	6.94
172	594745.83	4139833.56	NON-RES	6.97
173	594698.50	4139816.35	NON-RES	6.85
174	594675.91	4139808.82	NON-RES	6.91
175	594644.72	4139805.59	NON-RES	6.92
176	594614.60	4139860.45	NON-RES	6.95
177	594659.78	4139869.06	NON-RES	6.80
178	594373.66	4139779.78	NON-RES	6.18
179	594384.42	4139761.49	NON-RES	6.17
180	594332.79	4139783.01	NON-RES	6.19
181	594345.70	4139757.19	NON-RES	6.19
182	594356.45	4139733.53	NON-RES	6.17

183	594368.28	4139710.94	NON-RES	6.15
184	594380.12	4139691.58	NON-RES	6.15
185	594328.49	4139720.62	NON-RES	6.17
186	594310.20	4139748.59	NON-RES	6.05
187	594488.75	4139575.41	NON-RES	7.02
188	594485.53	4139561.43	NON-RES	7.06
189	594510.27	4139570.03	NON-RES	6.97
190	594531.78	4139557.12	NON-RES	7.00
191	594547.91	4139540.99	NON-RES	6.97
192	594557.59	4139472.15	NON-RES	7.05
193	594516.72	4139485.06	NON-RES	6.82
194	594473.70	4139496.89	NON-RES	6.80
195	594443.58	4139502.27	NON-RES	6.66
196	594466.17	4139471.07	NON-RES	6.61
197	594728.62	4139505.49	NON-RES	6.76
198	594701.73	4139485.06	NON-RES	6.82
199	594742.60	4139481.83	NON-RES	6.80
200	594754.43	4139453.86	NON-RES	6.66
201	594725.39	4139459.24	NON-RES	6.81
202	594712.48	4139432.35	NON-RES	6.77
203	594899.64	4139522.70	NON-RES	7.79
204	594917.93	4139490.44	NON-RES	7.78
205	594938.37	4139464.62	NON-RES	7.76
206	594377.08	4139438.11	NON-RES	6.91
207	594366.78	4139407.20	NON-RES	6.91
208	594486.30	4139279.45	NON-RES	6.71
209	594601.69	4139388.66	NON-RES	6.80
210	594624.36	4139349.51	NON-RES	6.81
211	594636.72	4139339.20	NON-RES	6.81
212	594568.72	4139312.42	NON-RES	6.70
213	594680.00	4139256.78	NON-RES	7.19
214	594628.48	4139225.87	NON-RES	6.95
215	594970.54	4139380.42	NON-RES	7.13
216	594989.09	4139361.87	NON-RES	7.10
217	594923.15	4139376.30	NON-RES	7.07
218	594935.51	4139357.75	NON-RES	7.05
219	594851.03	4139347.45	NON-RES	7.03
220	594863.39	4139316.54	NON-RES	6.98

221	594896.36	4139271.20	NON-RES	7.18	
222	594929.33	4139227.93	NON-RES	7.23	
223	594873.70	4139221.75	NON-RES	7.12	
224	594803.63	4139333.02	NON-RES	7.10	
225	595207.52	4139355.69	NON-RES	8.15	
226	595209.58	4139337.14	NON-RES	8.10	
227	595172.49	4139310.36	NON-RES	8.05	
228	595250.79	4139262.96	NON-RES	8.02	
229	595273.46	4139232.05	NON-RES	7.23	
230	595296.12	4139182.60	NON-RES	8.11	
231	595228.12	4139238.23	NON-RES	7.90	
232	595246.67	4139213.51	NON-RES	7.72	
233	595273.46	4139178.48	NON-RES	8.05	
234	595123.03	4139211.45	NON-RES	7.44	
235	595139.52	4139190.84	NON-RES	7.43	
236	595071.52	4139192.90	NON-RES	7.47	
237	595094.18	4139159.93	NON-RES	7.50	
238	595417.70	4139607.09	NON-RES	10.61	
239	595438.31	4139592.66	NON-RES	10.38	
240	595392.97	4139574.12	NON-RES	10.29	
241	595320.85	4139504.05	NON-RES	9.40	
242	595446.55	4139520.54	NON-RES	10.49	
243	595465.09	4139545.27	NON-RES	10.30	
244	595368.25	4139466.96	NON-RES	9.46	
245	595384.73	4139458.72	NON-RES	9.55	
246	595333.21	4139431.93	NON-RES	9.47	
247	595347.64	4139417.51	NON-RES	9.51	
248	595477.46	4139431.93	NON-RES	10.25	
249	595413.58	4139359.81	NON-RES	9.82	
250	595395.03	4139335.08	NON-RES	9.79	
251	594934.61	4139328.69	SCHOOL	7.08	

Plant Boundary Receptors

Receptor Pathway

Receptor Groups

Record Number	Group ID	Group Description
1	RES	Residential
2	NON-RES	Non-Resdidential - Office - Industrial
3	NEAR-RES	Residential - Nearby Receptors
4	SCHOOL	Schools

Meteorology Pathway

AERMOD

Met Input Data

Surface Met Data

Filename: ..\MET\SANJOSE13_17.SFC
Format Type: Default AERMET format

Profile Met Data

Filename: ..\MET\SANJOSE13_17.PFL
Format Type: Default AERMET format

Wind Speed

☐ Wind Speeds are Vector Mean (Not Scalar Means)

Wind Direction

Rotation Adjustment [deg]:

Potential Temperature Profile

Base Elevation above MSL (for Primary Met Tower): 7.90 [m]

Meteorological Station Data

Stations	Station No.	Year	X Coordinate [m]	Y Coordinate [m]	Station Name
Surface		2013			San Jose International Airport
Upper Air		2013			OAKLAND/WSO AP

Data Period

Data Period to Process

Start Date: 1/1/2013 Start Hour: 1 End Date: 12/31/2017 End Hour: 24

Wind Speed Categories

Stability Category	Wind Speed [m/s]	Stability Category	Wind Speed [m/s]
A	1.54	D	8.23
B	3.09	E	10.8
C	5.14	F	No Upper Bound

Building Downwash Information

Source ID: FPUMP1

Heights [m] (10 to 360 deg)

10-60 deg	14.33	14.33	14.33	14.33	14.33	14.33
70-120 deg	14.33	14.33	14.33	14.33	14.33	14.33
130-180 deg	14.33	14.33	14.33	14.33	14.33	14.33
190-240 deg	14.33	14.33	14.33	14.33	14.33	14.33
250-300 deg	14.33	14.33	14.33	14.33	14.33	14.33
310-360 deg	14.33	14.33	14.33	14.33	14.33	14.33

Widths [m] (10 to 360 deg)

10-60 deg	181.07	169.00	151.80	129.98	104.21	80.32
70-120 deg	106.73	131.43	152.14	168.22	179.20	184.72
130-180 deg	184.64	178.94	173.21	183.65	188.51	187.64
190-240 deg	181.07	169.00	151.80	129.98	104.21	80.32
250-300 deg	106.73	131.43	152.14	168.22	179.20	184.72
310-360 deg	184.64	178.94	173.21	183.65	188.51	187.64

Lengths [m] (10 to 360 deg)

10-60 deg	168.22	179.20	184.72	184.64	178.94	173.21
70-120 deg	183.65	188.51	187.64	181.07	169.00	151.80
130-180 deg	129.98	104.21	80.32	106.73	131.43	152.14
190-240 deg	168.22	179.20	184.72	184.64	178.94	173.21
250-300 deg	183.65	188.51	187.64	181.07	169.00	151.80
310-360 deg	129.98	104.21	80.32	106.73	131.43	152.14

Along Flow [m] (10 to 360 deg)

10-60 deg	-88.23	-83.13	-75.49	-65.57	-53.65	-43.53
70-120 deg	-42.16	-39.51	-35.66	-30.73	-24.86	-18.24
130-180 deg	-11.06	-3.55	1.22	-19.48	-41.10	-61.48
190-240 deg	-79.99	-96.07	-109.23	-119.07	-125.29	-129.68
250-300 deg	-141.49	-149.00	-151.98	-150.34	-144.14	-133.56
310-360 deg	-118.92	-100.66	-81.53	-87.26	-90.33	-90.66

Across Flow [m] (10 to 360 deg)

10-60 deg	-59.81	-59.64	-57.66	-53.93	-48.56	-41.38
70-120 deg	-33.89	-24.61	-14.59	-4.12	6.47	16.87
130-180 deg	26.75	35.82	43.08	49.66	54.74	58.16
190-240 deg	59.81	59.64	57.66	53.93	48.56	41.38
250-300 deg	33.89	24.61	14.59	4.12	-6.47	-16.87
310-360 deg	-26.75	-35.82	-43.08	-49.66	-54.74	-58.16

Source ID: FPUMP2

Heights [m] (10 to 360 deg)

10-60 deg	14.33	14.33	14.33	14.33	14.33	14.33

70-120 deg	14.33	14.33	14.33	14.33	14.33	14.33
130-180 deg	14.33	14.33	14.33	14.33	14.33	14.33
190-240 deg	14.33	14.33	14.33	14.33	14.33	14.33
250-300 deg	14.33	14.33	14.33	14.33	14.33	14.33
310-360 deg	14.33	14.33	14.33	14.33	14.33	14.33
Widths [m] (10 to 360 deg)						
10-60 deg	167.33	162.29	170.60	173.73	171.58	164.21
70-120 deg	151.86	134.89	113.82	91.21	85.15	110.76
130-180 deg	133.00	151.19	164.80	173.39	176.72	174.68
190-240 deg	167.33	162.29	170.60	173.73	171.58	164.21
250-300 deg	151.86	134.89	113.82	91.21	85.15	110.76
310-360 deg	133.00	151.19	164.80	173.39	176.72	174.68
Lengths [m] (10 to 360 deg)						
10-60 deg	91.21	85.15	110.76	133.00	151.19	164.80
70-120 deg	173.39	176.72	174.68	167.33	162.29	170.60
130-180 deg	173.73	171.58	164.21	151.86	134.89	113.82
190-240 deg	91.21	85.15	110.76	133.00	151.19	164.80
250-300 deg	173.39	176.72	174.68	167.33	162.29	170.60
310-360 deg	173.73	171.58	164.21	151.86	134.89	113.82
Along Flow [m] (10 to 360 deg)						
10-60 deg	-84.68	-86.56	-105.25	-120.75	-132.58	-140.38
70-120 deg	-143.92	-143.08	-137.90	-128.53	-117.52	-112.95
130-180 deg	-104.95	-93.76	-79.72	-63.26	-44.88	-25.13
190-240 deg	-6.54	1.40	-5.50	-12.24	-18.61	-24.41
250-300 deg	-29.47	-33.64	-36.78	-38.81	-44.77	-57.65
310-360 deg	-68.78	-77.81	-84.49	-88.59	-90.01	-88.69
Across Flow [m] (10 to 360 deg)						
10-60 deg	44.86	36.38	27.65	18.09	7.97	-2.38
70-120 deg	-12.67	-22.57	-31.78	-39.07	-43.98	-49.88
130-180 deg	-54.26	-56.99	-57.99	-57.22	-54.72	-50.56
190-240 deg	-44.86	-36.38	-27.65	-18.09	-7.97	2.38
250-300 deg	12.67	22.57	31.78	39.07	43.98	49.88
310-360 deg	54.26	56.99	57.99	57.22	54.72	50.56

Source ID: FPUMP3

Heights [m] (10 to 360 deg)						
10-60 deg	14.33	14.33	14.33	14.33	14.33	14.33
70-120 deg	14.33	14.33	14.33	14.33	14.33	14.33
130-180 deg	14.33	14.33	14.33	14.33	14.33	14.33
190-240 deg	14.33	14.33	14.33	14.33	14.33	14.33
250-300 deg	14.33	14.33	14.33	14.33	14.33	14.33
310-360 deg	14.33	14.33	14.33	14.33	14.33	14.33

Source Pathway

Widths [m] (10 to 360 deg)						
10-60 deg	191.53	201.44	205.22	202.77	194.16	199.12
70-120 deg	206.46	207.52	202.28	190.89	173.70	151.23
130-180 deg	124.17	93.34	99.29	128.98	154.74	175.81
190-240 deg	191.53	201.44	205.22	202.77	194.16	199.12
250-300 deg	206.46	207.52	202.28	190.89	173.70	151.23
310-360 deg	124.17	93.34	99.29	128.98	154.74	175.81
Lengths [m] (10 to 360 deg)						
10-60 deg	190.89	173.70	151.23	124.17	93.34	99.29
70-120 deg	128.98	154.74	175.81	191.53	201.44	205.22
130-180 deg	202.77	194.16	199.12	206.46	207.52	202.28
190-240 deg	190.89	173.70	151.23	124.17	93.34	99.29
250-300 deg	128.98	154.74	175.81	191.53	201.44	205.22
310-360 deg	202.77	194.16	199.12	206.46	207.52	202.28
Along Flow [m] (10 to 360 deg)						
10-60 deg	-90.42	-71.88	-51.17	-28.90	-5.75	-3.24
70-120 deg	-13.40	-23.16	-32.21	-40.28	-47.13	-52.55
130-180 deg	-56.37	-58.48	-66.35	-78.75	-88.76	-96.08
190-240 deg	-100.48	-101.82	-100.07	-95.28	-87.59	-96.05
250-300 deg	-115.57	-131.59	-143.60	-151.25	-154.31	-152.67
310-360 deg	-146.40	-135.68	-132.78	-127.71	-118.76	-106.20
Across Flow [m] (10 to 360 deg)						
10-60 deg	-55.48	-53.59	-50.06	-45.01	-38.60	-33.21
70-120 deg	-24.48	-15.00	-5.06	5.03	14.97	24.45
130-180 deg	33.19	40.92	46.41	51.09	54.21	55.70
190-240 deg	55.48	53.59	50.06	45.01	38.60	33.21
250-300 deg	24.48	15.00	5.06	-5.03	-14.97	-24.45
310-360 deg	-33.19	-40.92	-46.41	-51.09	-54.21	-55.70

Emission Rate Units for Output

For Concentration

Unit Factor:	1E6
Emission Unit Label:	GRAMS/SEC
Concentration Unit Label:	MICROGRAMS/M**3

Source Pathway

Source Groups

Source Group ID: ONSITE	List of Sources in Group (Source Range or Single Sources)
	ONSITE3
	ONSITE2
	ONSITE1

Source Group ID: OFFSITE	List of Sources in Group (Source Range or Single Sources)
	OFFSITE4
	OFFSITE2
	OFFSITE5
	OFFSITE1
	OFFSITE3

Source Group ID: FPUMP3	List of Sources in Group (Source Range or Single Sources)
	FPUMP3

Source Group ID: FPUMP2	List of Sources in Group (Source Range or Single Sources)
	FPUMP2

Source Group ID: FPUMP1	List of Sources in Group (Source Range or Single Sources)
	FPUMP1

Source Group ID: DOCKS	List of Sources in Group (Source Range or Single Sources)
	DOCK1
	DOCK2
	DOCK3

All Receptor Summary - DPM / PM2.5E

Montague Point Industrial Project

Operational Health Risk Assessment

Averaging Period	Conc	Units	Receptor Group	Receptor ID	X (m)	Y (m)	Source file
PERIOD	0.00116	ug/m3	NEAR-RES		594989.700	4139775.360	9901PER.PLT
PERIOD	0.00113	ug/m3	NEAR-RES		594988.690	4139781.970	9901PER.PLT
PERIOD	0.00122	ug/m3	NEAR-RES		594973.430	4139781.970	9901PER.PLT
PERIOD	0.00125	ug/m3	NEAR-RES		594965.300	4139787.050	9901PER.PLT
PERIOD	0.00126	ug/m3	NEAR-RES		594960.210	4139793.160	9901PER.PLT
PERIOD	0.00127	ug/m3	NEAR-RES		594955.130	4139799.260	9901PER.PLT
PERIOD	0.00121	ug/m3	NEAR-RES		594954.620	4139806.370	9901PER.PLT
PERIOD	0.00119	ug/m3	NEAR-RES		594951.570	4139813.490	9901PER.PLT
PERIOD	0.00111	ug/m3	NEAR-RES		594952.590	4139823.150	9901PER.PLT
PERIOD	0.00105	ug/m3	NEAR-RES		594954.620	4139830.270	9901PER.PLT
PERIOD	0.00097	ug/m3	NEAR-RES		594961.740	4139836.880	9901PER.PLT
PERIOD	0.00093	ug/m3	NEAR-RES		594970.890	4139835.360	9901PER.PLT
PERIOD	0.00093	ug/m3	NEAR-RES		594978.410	4139827.420	9901PER.PLT
PERIOD	0.00094	ug/m3	NEAR-RES		594982.070	4139821.180	9901PER.PLT
PERIOD	0.00097	ug/m3	NEAR-RES		594981.970	4139814.430	9901PER.PLT
PERIOD	0.00099	ug/m3	NEAR-RES		594986.530	4139806.460	9901PER.PLT
PERIOD	0.00103	ug/m3	NEAR-RES		594984.110	4139802.310	9901PER.PLT
PERIOD	0.00107	ug/m3	NEAR-RES		594999.870	4139782.990	9901PER.PLT
PERIOD	0.00090	ug/m3	NEAR-RES		595014.140	4139805.020	9901PER.PLT
PERIOD	0.00093	ug/m3	NEAR-RES		595008.520	4139801.800	9901PER.PLT
PERIOD	0.00105	ug/m3	NEAR-RES		595012.110	4139778.100	9901PER.PLT
PERIOD	0.00109	ug/m3	NEAR-RES		595014.090	4139769.430	9901PER.PLT
PERIOD	0.00113	ug/m3	NEAR-RES		595015.690	4139763.830	9901PER.PLT
PERIOD	0.00118	ug/m3	NEAR-RES		595016.550	4139756.800	9901PER.PLT
PERIOD	0.00124	ug/m3	NEAR-RES		595017.880	4139749.510	9901PER.PLT
PERIOD	0.00120	ug/m3	NEAR-RES		595026.820	4139748.410	9901PER.PLT
PERIOD	0.00124	ug/m3	NEAR-RES		595033.430	4139740.790	9901PER.PLT
PERIOD	0.00104	ug/m3	NEAR-RES		595065.460	4139748.920	9901PER.PLT
PERIOD	0.00088	ug/m3	NEAR-RES		595030.150	4139798.540	9901PER.PLT
PERIOD	0.00114	ug/m3	NEAR-RES		595062.920	4139734.680	9901PER.PLT
PERIOD	0.00122	ug/m3	NEAR-RES		595063.430	4139725.530	9901PER.PLT
PERIOD	0.00125	ug/m3	NEAR-RES		595070.550	4139717.400	9901PER.PLT
PERIOD	0.00127	ug/m3	NEAR-RES		595074.620	4139713.330	9901PER.PLT
PERIOD	0.00098	ug/m3	NEAR-RES		595039.520	4139773.060	9901PER.PLT
PERIOD	0.00108	ug/m3	NEAR-RES		595046.920	4139754.160	9901PER.PLT
PERIOD	0.00095	ug/m3	NEAR-RES		595038.720	4139779.330	9901PER.PLT

All Receptor Summary - DPM / PM2.5E

Montague Point Industrial Project

Operational Health Risk Assessment

Averaging Period	Conc	Units	Receptor Group	Receptor ID	X (m)	Y (m)	Source file
PERIOD	0.00107	ug/m3	NEAR-RES		595072.580	4139738.750	9901PER.PLT
PERIOD	0.00099	ug/m3	NEAR-RES		595065.460	4139757.560	9901PER.PLT
PERIOD	0.00092	ug/m3	NEAR-RES		595073.600	4139764.170	9901PER.PLT
PERIOD	0.00087	ug/m3	NEAR-RES		595083.260	4139769.260	9901PER.PLT
PERIOD	0.00088	ug/m3	NEAR-RES		595092.410	4139760.610	9901PER.PLT
PERIOD	0.00104	ug/m3	NEAR-RES		595044.590	4139761.940	9901PER.PLT
PERIOD	0.00100	ug/m3	NEAR-RES		595042.090	4139768.080	9901PER.PLT
PERIOD	0.00104	ug/m3	NEAR-RES		595089.360	4139731.120	9901PER.PLT
PERIOD	0.00092	ug/m3	NEAR-RES		595101.050	4139744.340	9901PER.PLT
PERIOD	0.00089	ug/m3	NEAR-RES		595099.020	4139751.970	9901PER.PLT
PERIOD	0.00113	ug/m3	RES		594468.180	4139923.010	9901PER.PLT
PERIOD	0.00114	ug/m3	RES		594489.690	4139934.840	9901PER.PLT
PERIOD	0.00115	ug/m3	RES		594505.820	4139946.670	9901PER.PLT
PERIOD	0.00116	ug/m3	RES		594535.940	4139959.580	9901PER.PLT
PERIOD	0.00116	ug/m3	RES		594562.830	4139968.180	9901PER.PLT
PERIOD	0.00113	ug/m3	RES		594598.320	4139981.090	9901PER.PLT
PERIOD	0.00111	ug/m3	RES		594624.130	4139986.470	9901PER.PLT
PERIOD	0.00110	ug/m3	RES		594638.120	4139988.620	9901PER.PLT
PERIOD	0.00104	ug/m3	RES		594666.080	4139996.150	9901PER.PLT
PERIOD	0.00099	ug/m3	RES		594695.120	4140000.450	9901PER.PLT
PERIOD	0.00091	ug/m3	RES		594719.860	4140011.210	9901PER.PLT
PERIOD	0.00087	ug/m3	RES		594711.250	4140024.110	9901PER.PLT
PERIOD	0.00084	ug/m3	RES		594705.880	4140034.870	9901PER.PLT
PERIOD	0.00090	ug/m3	RES		594672.530	4140029.490	9901PER.PLT
PERIOD	0.00094	ug/m3	RES		594675.760	4140017.660	9901PER.PLT
PERIOD	0.00099	ug/m3	RES		594640.270	4140012.280	9901PER.PLT
PERIOD	0.00103	ug/m3	RES		594644.570	4140000.450	9901PER.PLT
PERIOD	0.00105	ug/m3	RES		594599.400	4140001.530	9901PER.PLT
PERIOD	0.00110	ug/m3	RES		594555.300	4139984.320	9901PER.PLT
PERIOD	0.00111	ug/m3	RES		594525.180	4139968.180	9901PER.PLT
PERIOD	0.00110	ug/m3	RES		594461.730	4139932.690	9901PER.PLT
PERIOD	0.00080	ug/m3	RES		594744.600	4140030.570	9901PER.PLT
PERIOD	0.00084	ug/m3	RES		594751.050	4140015.510	9901PER.PLT
PERIOD	0.00078	ug/m3	RES		594766.110	4140026.260	9901PER.PLT
PERIOD	0.00069	ug/m3	RES		594787.620	4140044.550	9901PER.PLT
PERIOD	0.00072	ug/m3	RES		594791.920	4140031.640	9901PER.PLT

All Receptor Summary - DPM / PM2.5E

Montague Point Industrial Project

Operational Health Risk Assessment

Averaging Period	Conc	Units	Receptor Group	Receptor ID	X (m)	Y (m)	Source file
PERIOD	0.00065	ug/m3	RES		594825.260	4140041.320	9901PER.PLT
PERIOD	0.00060	ug/m3	RES		594846.770	4140049.930	9901PER.PLT
PERIOD	0.00126	ug/m3	NEAR-RES		595098.450	4139700.370	9901PER.PLT
PERIOD	0.00123	ug/m3	NEAR-RES		595114.580	4139695.000	9901PER.PLT
PERIOD	0.00113	ug/m3	NEAR-RES		595128.560	4139698.220	9901PER.PLT
PERIOD	0.00096	ug/m3	NEAR-RES		595149.000	4139711.130	9901PER.PLT
PERIOD	0.00095	ug/m3	NEAR-RES		595122.110	4139726.190	9901PER.PLT
PERIOD	0.00131	ug/m3	NEAR-RES		595142.550	4139673.490	9901PER.PLT
PERIOD	0.00159	ug/m3	NEAR-RES		595129.640	4139658.430	9901PER.PLT
PERIOD	0.00157	ug/m3	NEAR-RES		595147.920	4139648.750	9901PER.PLT
PERIOD	0.00169	ug/m3	NEAR-RES		595151.150	4139636.920	9901PER.PLT
PERIOD	0.00115	ug/m3	NEAR-RES		595184.490	4139664.880	9901PER.PLT
PERIOD	0.00114	ug/m3	NEAR-RES		595172.660	4139674.560	9901PER.PLT
PERIOD	0.00123	ug/m3	NEAR-RES		595200.630	4139642.300	9901PER.PLT
PERIOD	0.00188	ug/m3	NEAR-RES		595168.360	4139612.180	9901PER.PLT
PERIOD	0.00191	ug/m3	NEAR-RES		595178.040	4139599.270	9901PER.PLT
PERIOD	0.00199	ug/m3	NEAR-RES	MEIR	595180.190	4139586.370	9901PER.PLT
PERIOD	0.00175	ug/m3	NEAR-RES		595199.550	4139591.740	9901PER.PLT
PERIOD	0.00140	ug/m3	NEAR-RES		595202.780	4139619.710	9901PER.PLT
PERIOD	0.00147	ug/m3	NEAR-RES		595224.290	4139588.520	9901PER.PLT
PERIOD	0.00128	ug/m3	RES		595230.740	4139606.800	9901PER.PLT
PERIOD	0.00114	ug/m3	RES		595244.720	4139616.480	9901PER.PLT
PERIOD	0.00130	ug/m3	RES		595241.500	4139592.820	9901PER.PLT
PERIOD	0.00113	ug/m3	RES		595269.460	4139593.900	9901PER.PLT
PERIOD	0.00061	ug/m3	RES		594992.250	4139916.250	9901PER.PLT
PERIOD	0.00053	ug/m3	RES		595003.640	4139950.420	9901PER.PLT
PERIOD	0.00048	ug/m3	RES		595031.480	4139960.540	9901PER.PLT
PERIOD	0.00048	ug/m3	RES		595049.190	4139941.560	9901PER.PLT
PERIOD	0.00056	ug/m3	RES		595016.290	4139921.310	9901PER.PLT
PERIOD	0.00059	ug/m3	RES		595017.560	4139903.600	9901PER.PLT
PERIOD	0.00069	ug/m3	RES		594984.660	4139889.680	9901PER.PLT
PERIOD	0.00083	ug/m3	RES		594961.880	4139868.170	9901PER.PLT
PERIOD	0.00080	ug/m3	RES		594980.860	4139858.040	9901PER.PLT
PERIOD	0.00069	ug/m3	RES		595003.640	4139871.960	9901PER.PLT
PERIOD	0.00074	ug/m3	RES		595003.640	4139856.780	9901PER.PLT
PERIOD	0.00063	ug/m3	RES		595013.760	4139888.410	9901PER.PLT

All Receptor Summary - DPM / PM2.5E

Montague Point Industrial Project

Operational Health Risk Assessment

Averaging Period	Conc	Units	Receptor Group	Receptor ID	X (m)	Y (m)	Source file
PERIOD	0.00065	ug/m3	RES		595042.860	4139856.780	9901PER.PLT
PERIOD	0.00069	ug/m3	RES		595051.720	4139837.800	9901PER.PLT
PERIOD	0.00074	ug/m3	RES		595058.050	4139818.820	9901PER.PLT
PERIOD	0.00063	ug/m3	RES		595077.030	4139839.060	9901PER.PLT
PERIOD	0.00058	ug/m3	RES		595075.760	4139859.310	9901PER.PLT
PERIOD	0.00058	ug/m3	RES		595063.110	4139870.700	9901PER.PLT
PERIOD	0.00052	ug/m3	RES		595064.380	4139902.330	9901PER.PLT
PERIOD	0.00052	ug/m3	RES		595078.290	4139889.680	9901PER.PLT
PERIOD	0.00049	ug/m3	RES		595083.360	4139912.460	9901PER.PLT
PERIOD	0.00046	ug/m3	RES		595102.340	4139916.250	9901PER.PLT
PERIOD	0.00046	ug/m3	RES		595130.180	4139901.070	9901PER.PLT
PERIOD	0.00049	ug/m3	RES		595108.660	4139887.150	9901PER.PLT
PERIOD	0.00051	ug/m3	RES		595120.050	4139870.700	9901PER.PLT
PERIOD	0.00048	ug/m3	RES		595149.160	4139880.820	9901PER.PLT
PERIOD	0.00046	ug/m3	RES		595180.790	4139877.030	9901PER.PLT
PERIOD	0.00049	ug/m3	RES		595180.790	4139858.040	9901PER.PLT
PERIOD	0.00053	ug/m3	RES		595154.220	4139850.450	9901PER.PLT
PERIOD	0.00061	ug/m3	RES		595103.600	4139830.210	9901PER.PLT
PERIOD	0.00060	ug/m3	RES		595128.910	4139827.680	9901PER.PLT
PERIOD	0.00067	ug/m3	RES		595112.460	4139808.690	9901PER.PLT
PERIOD	0.00072	ug/m3	RES		595103.600	4139798.570	9901PER.PLT
PERIOD	0.00073	ug/m3	RES		595082.090	4139806.160	9901PER.PLT
PERIOD	0.00069	ug/m3	RES		595178.260	4139761.880	9901PER.PLT
PERIOD	0.00076	ug/m3	RES		595174.460	4139740.360	9901PER.PLT
PERIOD	0.00065	ug/m3	RES		595194.710	4139766.940	9901PER.PLT
PERIOD	0.00067	ug/m3	RES		595209.890	4139751.750	9901PER.PLT
PERIOD	0.00081	ug/m3	RES		595185.850	4139722.650	9901PER.PLT
PERIOD	0.00076	ug/m3	RES		595220.020	4139718.850	9901PER.PLT
PERIOD	0.00071	ug/m3	RES		595236.470	4139723.910	9901PER.PLT
PERIOD	0.00086	ug/m3	RES		595222.550	4139692.280	9901PER.PLT
PERIOD	0.00082	ug/m3	RES		595239.000	4139691.020	9901PER.PLT
PERIOD	0.00075	ug/m3	RES		595254.180	4139701.140	9901PER.PLT
PERIOD	0.00091	ug/m3	RES		595269.370	4139640.400	9901PER.PLT
PERIOD	0.00079	ug/m3	RES		595287.080	4139658.120	9901PER.PLT
PERIOD	0.00101	ug/m3	RES		595284.410	4139605.170	9901PER.PLT
PERIOD	0.00077	ug/m3	RES		595308.590	4139645.460	9901PER.PLT

All Receptor Summary - DPM / PM2.5E

Montague Point Industrial Project

Operational Health Risk Assessment

Averaging Period	Conc	Units	Receptor Group	Receptor ID	X (m)	Y (m)	Source file
PERIOD	0.00091	ug/m3	RES		595293.410	4139620.150	9901PER.PLT
PERIOD	0.00039	ug/m3	RES		595171.930	4139936.500	9901PER.PLT
PERIOD	0.00040	ug/m3	RES		595198.510	4139918.780	9901PER.PLT
PERIOD	0.00040	ug/m3	RES		595212.420	4139907.390	9901PER.PLT
PERIOD	0.00041	ug/m3	RES		595226.340	4139898.540	9901PER.PLT
PERIOD	0.00043	ug/m3	RES		595235.200	4139875.760	9901PER.PLT
PERIOD	0.00045	ug/m3	RES		595235.200	4139856.780	9901PER.PLT
PERIOD	0.00046	ug/m3	RES		595241.530	4139844.130	9901PER.PLT
PERIOD	0.00042	ug/m3	RES		595271.900	4139864.370	9901PER.PLT
PERIOD	0.00043	ug/m3	RES		595275.690	4139852.980	9901PER.PLT
PERIOD	0.00051	ug/m3	RES		595278.220	4139792.250	9901PER.PLT
PERIOD	0.00058	ug/m3	RES		595247.850	4139772.000	9901PER.PLT
PERIOD	0.00059	ug/m3	RES		595270.630	4139753.020	9901PER.PLT
PERIOD	0.00052	ug/m3	RES		595292.140	4139775.800	9901PER.PLT
PERIOD	0.00053	ug/m3	RES		595314.920	4139758.080	9901PER.PLT
PERIOD	0.00053	ug/m3	RES		595341.490	4139736.570	9901PER.PLT
PERIOD	0.00063	ug/m3	RES		595307.330	4139710.000	9901PER.PLT
PERIOD	0.00059	ug/m3	RES		595294.670	4139736.570	9901PER.PLT
PERIOD	0.00054	ug/m3	RES		595357.940	4139713.790	9901PER.PLT
PERIOD	0.00062	ug/m3	RES		595328.840	4139691.020	9901PER.PLT
PERIOD	0.00063	ug/m3	RES		595349.080	4139666.970	9901PER.PLT
PERIOD	0.00055	ug/m3	RES		595376.920	4139687.220	9901PER.PLT
PERIOD	0.00125	ug/m3	NON-RES		594745.830	4139933.590	9901PER.PLT
PERIOD	0.00141	ug/m3	NON-RES		594750.130	4139909.930	9901PER.PLT
PERIOD	0.00160	ug/m3	NON-RES		594755.510	4139886.270	9901PER.PLT
PERIOD	0.00193	ug/m3	NON-RES		594799.610	4139847.540	9901PER.PLT
PERIOD	0.00212	ug/m3	NON-RES		594768.420	4139837.860	9901PER.PLT
PERIOD	0.00216	ug/m3	NON-RES		594745.830	4139833.560	9901PER.PLT
PERIOD	0.00221	ug/m3	NON-RES		594698.500	4139816.350	9901PER.PLT
PERIOD	0.00220	ug/m3	NON-RES		594675.910	4139808.820	9901PER.PLT
PERIOD	0.00211	ug/m3	NON-RES		594644.720	4139805.590	9901PER.PLT
PERIOD	0.00169	ug/m3	NON-RES		594614.600	4139860.450	9901PER.PLT
PERIOD	0.00173	ug/m3	NON-RES		594659.780	4139869.060	9901PER.PLT
PERIOD	0.00103	ug/m3	NON-RES		594373.660	4139779.780	9901PER.PLT
PERIOD	0.00106	ug/m3	NON-RES		594384.420	4139761.490	9901PER.PLT
PERIOD	0.00089	ug/m3	NON-RES		594332.790	4139783.010	9901PER.PLT

All Receptor Summary - DPM / PM2.5E

Montague Point Industrial Project

Operational Health Risk Assessment

Averaging Period	Conc	Units	Receptor Group	Receptor ID	X (m)	Y (m)	Source file
PERIOD	0.00090	ug/m3	NON-RES		594345.700	4139757.190	9901PER.PLT
PERIOD	0.00090	ug/m3	NON-RES		594356.450	4139733.530	9901PER.PLT
PERIOD	0.00092	ug/m3	NON-RES		594368.280	4139710.940	9901PER.PLT
PERIOD	0.00095	ug/m3	NON-RES		594380.120	4139691.580	9901PER.PLT
PERIOD	0.00078	ug/m3	NON-RES		594328.490	4139720.620	9901PER.PLT
PERIOD	0.00077	ug/m3	NON-RES		594310.200	4139748.590	9901PER.PLT
PERIOD	0.00109	ug/m3	NON-RES		594488.750	4139575.410	9901PER.PLT
PERIOD	0.00096	ug/m3	NON-RES		594485.530	4139561.430	9901PER.PLT
PERIOD	0.00113	ug/m3	NON-RES		594510.270	4139570.030	9901PER.PLT
PERIOD	0.00116	ug/m3	NON-RES		594531.780	4139557.120	9901PER.PLT
PERIOD	0.00114	ug/m3	NON-RES		594547.910	4139540.990	9901PER.PLT
PERIOD	0.00065	ug/m3	NON-RES		594557.590	4139472.150	9901PER.PLT
PERIOD	0.00062	ug/m3	NON-RES		594516.720	4139485.060	9901PER.PLT
PERIOD	0.00060	ug/m3	NON-RES		594473.700	4139496.890	9901PER.PLT
PERIOD	0.00060	ug/m3	NON-RES		594443.580	4139502.270	9901PER.PLT
PERIOD	0.00051	ug/m3	NON-RES		594466.170	4139471.070	9901PER.PLT
PERIOD	0.00276	ug/m3	NON-RES		594728.620	4139505.490	9901PER.PLT
PERIOD	0.00182	ug/m3	NON-RES		594701.730	4139485.060	9901PER.PLT
PERIOD	0.00198	ug/m3	NON-RES		594742.600	4139481.830	9901PER.PLT
PERIOD	0.00157	ug/m3	NON-RES		594754.430	4139453.860	9901PER.PLT
PERIOD	0.00150	ug/m3	NON-RES		594725.390	4139459.240	9901PER.PLT
PERIOD	0.00108	ug/m3	NON-RES		594712.480	4139432.350	9901PER.PLT
PERIOD	0.00286	ug/m3	NON-RES	MEIW	594899.640	4139522.700	9901PER.PLT
PERIOD	0.00234	ug/m3	NON-RES		594917.930	4139490.440	9901PER.PLT
PERIOD	0.00212	ug/m3	NON-RES		594938.370	4139464.620	9901PER.PLT
PERIOD	0.00036	ug/m3	NON-RES		594377.080	4139438.110	9901PER.PLT
PERIOD	0.00029	ug/m3	NON-RES		594366.780	4139407.200	9901PER.PLT
PERIOD	0.00023	ug/m3	NON-RES		594486.300	4139279.450	9901PER.PLT
PERIOD	0.00046	ug/m3	NON-RES		594601.690	4139388.660	9901PER.PLT
PERIOD	0.00040	ug/m3	NON-RES		594624.360	4139349.510	9901PER.PLT
PERIOD	0.00040	ug/m3	NON-RES		594636.720	4139339.200	9901PER.PLT
PERIOD	0.00030	ug/m3	NON-RES		594568.720	4139312.420	9901PER.PLT
PERIOD	0.00033	ug/m3	NON-RES		594680.000	4139256.780	9901PER.PLT
PERIOD	0.00026	ug/m3	NON-RES		594628.480	4139225.870	9901PER.PLT
PERIOD	0.00141	ug/m3	NON-RES		594970.540	4139380.420	9901PER.PLT
PERIOD	0.00133	ug/m3	NON-RES		594989.090	4139361.870	9901PER.PLT

All Receptor Summary - DPM / PM2.5E

Montague Point Industrial Project

Operational Health Risk Assessment

Averaging Period	Conc	Units	Receptor Group	Receptor ID	X (m)	Y (m)	Source file
PERIOD	0.00126	ug/m3	NON-RES		594923.150	4139376.300	9901PER.PLT
PERIOD	0.00117	ug/m3	NON-RES		594935.510	4139357.750	9901PER.PLT
PERIOD	0.00098	ug/m3	NON-RES		594851.030	4139347.450	9901PER.PLT
PERIOD	0.00087	ug/m3	NON-RES		594863.390	4139316.540	9901PER.PLT
PERIOD	0.00076	ug/m3	NON-RES		594896.360	4139271.200	9901PER.PLT
PERIOD	0.00067	ug/m3	NON-RES		594929.330	4139227.930	9901PER.PLT
PERIOD	0.00058	ug/m3	NON-RES		594873.700	4139221.750	9901PER.PLT
PERIOD	0.00080	ug/m3	NON-RES		594803.630	4139333.020	9901PER.PLT
PERIOD	0.00262	ug/m3	NON-RES		595207.520	4139355.690	9901PER.PLT
PERIOD	0.00235	ug/m3	NON-RES		595209.580	4139337.140	9901PER.PLT
PERIOD	0.00197	ug/m3	NON-RES		595172.490	4139310.360	9901PER.PLT
PERIOD	0.00155	ug/m3	NON-RES		595250.790	4139262.960	9901PER.PLT
PERIOD	0.00135	ug/m3	NON-RES		595273.460	4139232.050	9901PER.PLT
PERIOD	0.00108	ug/m3	NON-RES		595296.120	4139182.600	9901PER.PLT
PERIOD	0.00131	ug/m3	NON-RES		595228.120	4139238.230	9901PER.PLT
PERIOD	0.00119	ug/m3	NON-RES		595246.670	4139213.510	9901PER.PLT
PERIOD	0.00104	ug/m3	NON-RES		595273.460	4139178.480	9901PER.PLT
PERIOD	0.00089	ug/m3	NON-RES		595123.030	4139211.450	9901PER.PLT
PERIOD	0.00085	ug/m3	NON-RES		595139.520	4139190.840	9901PER.PLT
PERIOD	0.00073	ug/m3	NON-RES		595071.520	4139192.900	9901PER.PLT
PERIOD	0.00068	ug/m3	NON-RES		595094.180	4139159.930	9901PER.PLT
PERIOD	0.00062	ug/m3	NON-RES		595417.700	4139607.090	9901PER.PLT
PERIOD	0.00061	ug/m3	NON-RES		595438.310	4139592.660	9901PER.PLT
PERIOD	0.00075	ug/m3	NON-RES		595392.970	4139574.120	9901PER.PLT
PERIOD	0.00135	ug/m3	NON-RES		595320.850	4139504.050	9901PER.PLT
PERIOD	0.00076	ug/m3	NON-RES		595446.550	4139520.540	9901PER.PLT
PERIOD	0.00066	ug/m3	NON-RES		595465.090	4139545.270	9901PER.PLT
PERIOD	0.00126	ug/m3	NON-RES		595368.250	4139466.960	9901PER.PLT
PERIOD	0.00121	ug/m3	NON-RES		595384.730	4139458.720	9901PER.PLT
PERIOD	0.00174	ug/m3	NON-RES		595333.210	4139431.930	9901PER.PLT
PERIOD	0.00170	ug/m3	NON-RES		595347.640	4139417.510	9901PER.PLT
PERIOD	0.00091	ug/m3	NON-RES		595477.460	4139431.930	9901PER.PLT
PERIOD	0.00143	ug/m3	NON-RES		595413.580	4139359.810	9901PER.PLT
PERIOD	0.00165	ug/m3	NON-RES		595395.030	4139335.080	9901PER.PLT
PERIOD	0.00102	ug/m3	SCHOOL	PRESCHOOL	594934.610	4139328.690	9901PER.PLT

Montague Point Industrial Project

HARP2 Scenario Packet

January 10, 2026

Sources used in this packet

Scenario: ResRisk

- HRA: ResRiskHRAInput.hra
- Output: ResRiskOutput.txt
- CancerRisk: ResRiskCancerRisk.csv
- GLCList: ResRiskGLCList.csv
- PolDB: ResRiskPolDB.csv

Scenario: StudentRisk

- HRA: StudentRiskHRAInput.hra
- Output: StudentRiskOutput.txt
- CancerRisk: StudentRiskCancerRisk.csv
- GLCList: StudentRiskGLCList.csv
- PolDB: StudentRiskPolDB.csv

Scenario: WorkerRisk

- HRA: WorkerRiskHRAInput.hra
- Output: WorkerRiskOutput.txt
- CancerRisk: WorkerRiskCancerRisk.csv
- GLCList: WorkerRiskGLCList.csv
- PolDB: WorkerRiskPolDB.csv

Montague Point Industrial Project

Scenario: ResRisk

HARP2 - HRACalc (dated 22118) 1/6/2026 6:50:58 AM - Output Log
GLCs loaded successfully
Pollutants loaded successfully
****
RISK SCENARIO SETTINGS
Receptor Type: Resident
Scenario: Cancer
Calculation Method: Derived
****
EXPOSURE DURATION PARAMETERS FOR CANCER
Start Age: -0.25
Total Exposure Duration: 1.25
Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 1.25
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0
****
PATHWAYS ENABLED
NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.
Inhalation: True
Soil: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False
****
INHALATION
Daily breathing rate: RMP
Worker Adjustment Factors
Worker adjustment factors enabled: NO
Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: ON
****
TIER 2 SETTINGS
Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk saved to: F:\Jobs\62110001\ConHRA\HARP2\ResRiskCancerRisk.csv
HRA ran successfully

Montague Point Industrial Project

Cancer Risk

ResRisk

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	RISK_SUM
1	595180.19	4139586.37	9901	DieselExhPM	0.0201	4.402E-06

Montague Point Industrial Project

Chronic Hazard Index

ResRisk

RECID	GRP1	GRP2	POLID	POLABBREV	ANNCONC	InhalationChronicREL	Hazard Index (Chronic)
1	595180.19	4139586.37	9901	DIESELEXHPM	0.02011	5	0.004022

Chronic HI = Annual Concentration ÷ Inhalation Chronic REL

Montague Point Industrial Project

Scenario: StudentRisk

HARP2 - HRACalc (dated 22118) 1/6/2026 7:13:14 AM - Output Log
GLCs loaded successfully
Pollutants loaded successfully
****

RISK SCENARIO SETTINGS
Receptor Type: Resident
Scenario: Cancer
Calculation Method: Derived
****

EXPOSURE DURATION PARAMETERS FOR CANCER
Start Age: 3
Total Exposure Duration: 10
Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 10
16<30 Years Bin: 0
16 to 70 Years Bin: 0
****

PATHWAYS ENABLED
NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.
Inhalation: True
Soil: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False
****

INHALATION
Daily breathing rate: LongTerm24HR
Worker Adjustment Factors
NOTE: The worker adjustment factors below are only used for cancer assessments. However, the GLC adjustment factor is also applied to 8-hr noncancer chronic assessments.
Worker adjustments factors enabled: YES
GLC adjustment factor: 4.2
Exposure frequency: 250
Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF
****

TIER 2 SETTINGS
Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk saved to: F:\Jobs\62110001\ConHRA\HARP2\StudentRiskCancerRisk.csv
HRA ran successfully

Montague Point Industrial Project

Cancer Risk

StudentRisk

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	RISK_SUM
1	594934.61	4139328.69	9901	DieselExhPM	0.00486	4.910E-06

Montague Point Industrial Project

Chronic Hazard Index

StudentRisk

RECID	GRP1	GRP2	POLID	POLABBREV	ANNCONC	InhalationChronicREL	Hazard Index (Chronic)
1	594934.61	4139328.69	9901	DIESELEXHPM	0.00486	5	0.000972

Chronic HI = Annual Concentration ÷ Inhalation Chronic REL

Montague Point Industrial Project

Scenario: WorkerRisk

HARP2 - HRACalc (dated 22118) 1/6/2026 6:53:24 AM - Output Log
GLCs loaded successfully
Pollutants loaded successfully
****
RISK SCENARIO SETTINGS
Receptor Type: Worker
Scenario: Cancer
Calculation Method: Derived
****
EXPOSURE DURATION PARAMETERS FOR CANCER
Start Age: 16
Total Exposure Duration: 1.5
Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 1.5
16 to 70 Years Bin: 0
****
PATHWAYS ENABLED
NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.
Inhalation: True
Soil: True
Dermal: True
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False
****
INHALATION
Daily breathing rate: Moderate8HR
Worker Adjustment Factors
NOTE: The worker adjustment factors below are only used for cancer assessments. However, the GLC adjustment factor is also applied to 8-hr noncancer chronic assessments.
Worker adjustments factors enabled: YES
GLC adjustment factor: 4.2
Exposure frequency: 250
Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF
****
SOIL & DERMAL PATHWAY SETTINGS
Deposition rate (m/s): 0.05
Soil mixing depth (m): 0.01
Dermal climate: Mixed
****
TIER 2 SETTINGS
Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk saved to: F:\Jobs\62110001\ConHRA\HARP2\WorkerRiskCancerRisk.csv
HRA ran successfully

Montague Point Industrial Project

Cancer Risk

WorkerRisk

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	RISK_SUM
1	595207	4139355	9901	DieselExhPM	0.0267	4.342E-07

Montague Point Industrial Project

Chronic Hazard Index

WorkerRisk

RECID	GRP1	GRP2	POLID	POLABBREV	ANNCONC	InhalationChronicREL	Hazard Index (Chronic)
1	595207	4139355	9901	DIESELEXHPM	0.02668	5	0.005336

Chronic HI = Annual Concentration ÷ Inhalation Chronic REL

Montague Point Industrial Project

HARP ADMRT Helper Packet

January 12, 2026

Sources used in this packet

Project-wide: ProjectSummaryReport.txt

Scenario: ResRisk

- Receptors: ReceptorsOpsAnnotated.csv
- HRA: ResRiskHRAInput.hra
- Scenario Output: ResRiskOutput.txt
- CancerRisk: ResRiskCancerRisk.csv
- PolDB: ResRiskPolDB.csv

Scenario: Student1Risk

- Receptors: ReceptorsOpsAnnotated.csv
- HRA: Student1RiskHRAInput.hra
- Scenario Output: Student1RiskOutput.txt
- CancerRisk: Student1RiskCancerRisk.csv
- PolDB: Student1RiskPolDB.csv

Scenario: WorkerRisk

- Receptors: ReceptorsOpsAnnotated.csv
- HRA: WorkerRiskHRAInput.hra
- Scenario Output: WorkerRiskOutput.txt
- CancerRisk: WorkerRiskCancerRisk.csv
- PolDB: WorkerRiskPolDB.csv

Montague Point Industrial Project

Emission Import Mapping (AERMOD <-> HARP2)

HARP Source	AERMOD PLT (PE)	AERMOD PLT (1 hour)
FPUMP1	FPUMP1_PE.PLT	FPUMP1_01H1.PLT
FPUMP2	FPUMP2_PE.PLT	FPUMP2_01H1.PLT
FPUMP3	FPUMP3_PE.PLT	FPUMP3_01H1.PLT
DOCKS	DOCKS_PE.PLT	DOCKS_01H1.PLT
ONSITE	ONSITE_PE.PLT	ONSITE_01H1.PLT
OFFSITE	OFFSITE_PE.PLT	OFFSITE_01H1.PLT

Montague Point Industrial Project

Project Summary Report

HARP Project Summary Report 1/6/2026 7:48:05 AM

PROJECT INFORMATION

HARP Version: 22118
Project Name: OPHRA
Project Output Directory: F:\Jobs\62110001\OpHRA\HARP2\OPHRA
HARP Database: NA

FACILITY INFORMATION

Origin
X (m):0
Y (m):0
Zone:1
No. of Sources:0
No. of Buildings:0

EMISSION INVENTORY

No. of Pollutants:6
No. of Background Pollutants:0
Emissions

ScrID	StkID	ProID	PolID	PolAbbrev	Multi	Annual Ems (lbs/yr)	MaxHr Ems (lbs/hr)	MWAF
OFFSITE	0	0	9901	DieselExhPM	1	1.744	0	1
DOCKS	0	0	9901	DieselExhPM	1	1.009	0	1
ONSITE	0	0	9901	DieselExhPM	1	1.221	0	1
FPUMP1	0	0	9901	DieselExhPM	1	3.62	0	1
FPUMP2	0	0	9901	DieselExhPM	1	3.62	0	1
FPUMP3	0	0	9901	DieselExhPM	1	3.62	0	1

Background

PolID	PolAbbrev	Conc (ug/m^3)	MWAF

Ground level concentration files (\glc\)

9901MAXHR.txt
9901PER.txt

POLLUTANT HEALTH INFORMATION

Health Database: C:\HARP2\Tables\HEALTH17320.mdb
Health Table Version: HEALTH25268
Official: True

PolID	PolAbbrev	InhCancer	OralCancer	AcuteREL	InhChronicREL	OralChronicREL	InhChronic8HRREL
9901	DieselExhPM	1.1			5		

Montague Point Industrial Project

Scenario: ResRisk

Exposure Inputs / Scenario Output

```
HARP2 - HRACalc (dated 22118) 1/6/2026 7:44:07 AM - Output Log
GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
```

RISK SCENARIO SETTINGS

```
Receptor Type: Resident
Scenario: Cancer
Calculation Method: HighEnd
```

EXPOSURE DURATION PARAMETERS FOR CANCER

```
Start Age: -0.25
Total Exposure Duration: 30
Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 0
2<16 Years Bin: 14
16<30 Years Bin: 14
16 to 70 Years Bin: 0
```

PATHWAYS ENABLED

```
NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are
only used for cancer and noncancer chronic assessments.
Inhalation: True
Soil: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False
```

INHALATION

```
Daily breathing rate: RMP
```

Worker Adjustment Factors

```
Worker adjustment factors enabled: NO
```

Fraction at time at home

```
3rd Trimester to 16 years: OFF
16 years to 70 years: ON
```

TIER 2 SETTINGS

```
Tier2 not used.


Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
F:\Jobs\62110001\OpHRA\HARP2\OPHRA\hra\ResRiskCancerRisk.csv
Cancer risk total by receptor saved to:
F:\Jobs\62110001\OpHRA\HARP2\OPHRA\hra\ResRiskCancerRiskSumByRec.csv
HRA ran successfully
```

POLID: 9901 POLABBREV: DIESELEXHPM

SCENARIO: 30YrCancerRMP_Inh_FAH16to70

REC	ID	GROUP	X	Y	CONC	CHRONIC HI	RISK_SUM	RISK_PER_MILLION
89	MEIR	RES	595180.19	4139586.37	0.00199	3.977E-04	1.480E-06	1.480
88		RES	595178.04	4139599.27	0.00191	3.814E-04	1.419E-06	1.419
87		RES	595168.36	4139612.18	0.00188	3.750E-04	1.396E-06	1.396
90		RES	595199.55	4139591.74	0.00175	3.500E-04	1.303E-06	1.302
83		RES	595151.15	4139636.92	0.00169	3.376E-04	1.256E-06	1.256
81		RES	595129.64	4139658.43	0.00159	3.171E-04	1.180E-06	1.180
82		RES	595147.92	4139648.75	0.00157	3.133E-04	1.166E-06	1.166
92		RES	595224.29	4139588.52	0.00147	2.943E-04	1.095E-06	1.095
91		RES	595202.78	4139619.71	0.0014	2.792E-04	1.039E-06	1.039
80		RES	595142.55	4139673.49	0.00131	2.620E-04	9.749E-07	0.975
95		RES	595241.5	4139592.82	0.0013	2.601E-04	9.681E-07	0.968
93		RES	595230.74	4139606.8	0.00128	2.564E-04	9.543E-07	0.954
6		RES	594955.13	4139799.26	0.00127	2.532E-04	9.422E-07	0.942
33		RES	595074.62	4139713.33	0.00127	2.530E-04	9.416E-07	0.942
75		RES	595098.45	4139700.37	0.00126	2.517E-04	9.368E-07	0.937
5		RES	594960.21	4139793.16	0.00126	2.516E-04	9.362E-07	0.936
4		RES	594965.3	4139787.05	0.00125	2.508E-04	9.334E-07	0.933
32		RES	595070.55	4139717.4	0.00125	2.497E-04	9.291E-07	0.929
27		RES	595033.43	4139740.79	0.00124	2.473E-04	9.204E-07	0.920
25		RES	595017.88	4139749.51	0.00124	2.471E-04	9.196E-07	0.920
86		RES	595200.63	4139642.3	0.00123	2.466E-04	9.179E-07	0.918
76		RES	595114.58	4139695.0	0.00123	2.460E-04	9.155E-07	0.915
3		RES	594973.43	4139781.97	0.00122	2.444E-04	9.097E-07	0.910
31		RES	595063.43	4139725.53	0.00122	2.432E-04	9.050E-07	0.905
7		RES	594954.62	4139806.37	0.00121	2.430E-04	9.042E-07	0.904
26		RES	595026.82	4139748.41	0.0012	2.406E-04	8.952E-07	0.895
8		RES	594951.57	4139813.49	0.00119	2.384E-04	8.871E-07	0.887
24		RES	595016.55	4139756.8	0.00118	2.356E-04	8.770E-07	0.877
1		RES	594989.7	4139775.36	0.00116	2.327E-04	8.660E-07	0.866
51		RES	594562.83	4139968.18	0.00116	2.325E-04	8.651E-07	0.865
50		RES	594535.94	4139959.58	0.00116	2.314E-04	8.611E-07	0.861
84		RES	595184.49	4139664.88	0.00115	2.310E-04	8.595E-07	0.860
49		RES	594505.82	4139946.67	0.00115	2.294E-04	8.535E-07	0.854
48		RES	594489.69	4139934.84	0.00114	2.290E-04	8.521E-07	0.852
30		RES	595062.92	4139734.68	0.00114	2.283E-04	8.496E-07	0.850
85		RES	595172.66	4139674.56	0.00114	2.282E-04	8.494E-07	0.849
94		RES	595244.72	4139616.48	0.00114	2.281E-04	8.488E-07	0.849
52		RES	594598.32	4139981.09	0.00113	2.269E-04	8.445E-07	0.845
47		RES	594468.18	4139923.01	0.00113	2.264E-04	8.424E-07	0.842
96		RES	595269.46	4139593.9	0.00113	2.263E-04	8.422E-07	0.842
77		RES	595128.56	4139698.22	0.00113	2.260E-04	8.411E-07	0.841

POLID: 9901 POLABBREV: DIESELEXHPM

SCENARIO: 30YrCancerRMP_Inh_FAH16to70

REC	ID	GROUP	X	Y	CONC	CHRONIC HI	RISK_SUM	RISK_PER_MILLION
23		RES	595015.69	4139763.83	0.00113	2.255E-04	8.390E-07	0.839
2		RES	594988.69	4139781.97	0.00113	2.252E-04	8.380E-07	0.838
66		RES	594525.18	4139968.18	0.00111	2.228E-04	8.293E-07	0.829
9		RES	594952.59	4139823.15	0.00111	2.226E-04	8.283E-07	0.828
53		RES	594624.13	4139986.47	0.00111	2.225E-04	8.279E-07	0.828
67		RES	594461.73	4139932.69	0.0011	2.205E-04	8.207E-07	0.821
54		RES	594638.12	4139988.62	0.0011	2.195E-04	8.169E-07	0.817
65		RES	594555.3	4139984.32	0.0011	2.193E-04	8.160E-07	0.816
22		RES	595014.09	4139769.43	0.00109	2.188E-04	8.144E-07	0.814
35		RES	595046.92	4139754.16	0.00108	2.154E-04	8.018E-07	0.802
37		RES	595072.58	4139738.75	0.00107	2.133E-04	7.939E-07	0.794
18		RES	594999.87	4139782.99	0.00107	2.130E-04	7.928E-07	0.793
10		RES	594954.62	4139830.27	0.00105	2.107E-04	7.842E-07	0.784
64		RES	594599.4	4140001.53	0.00105	2.103E-04	7.828E-07	0.783
21		RES	595012.11	4139778.1	0.00105	2.092E-04	7.785E-07	0.779
55		RES	594666.08	4139996.15	0.00104	2.084E-04	7.757E-07	0.776
44		RES	595089.36	4139731.12	0.00104	2.080E-04	7.739E-07	0.774
42		RES	595044.59	4139761.94	0.00104	2.072E-04	7.710E-07	0.771
28		RES	595065.46	4139748.92	0.00104	2.070E-04	7.704E-07	0.770
63		RES	594644.57	4140000.45	0.00103	2.068E-04	7.696E-07	0.770
17		RES	594984.11	4139802.31	0.00103	2.051E-04	7.631E-07	0.763
143		RES	595284.41	4139605.17	0.00101	2.013E-04	7.490E-07	0.749
43		RES	595042.09	4139768.08	0.001	2.010E-04	7.479E-07	0.748
16		RES	594986.53	4139806.46	0.000991	1.983E-04	7.378E-07	0.738
56		RES	594695.12	4140000.45	0.000991	1.982E-04	7.377E-07	0.738
62		RES	594640.27	4140012.28	0.000991	1.982E-04	7.376E-07	0.738
38		RES	595065.46	4139757.56	0.000986	1.973E-04	7.341E-07	0.734
34		RES	595039.52	4139773.06	0.000984	1.968E-04	7.325E-07	0.733
11		RES	594961.74	4139836.88	0.000974	1.949E-04	7.253E-07	0.725
15		RES	594981.97	4139814.43	0.000973	1.946E-04	7.242E-07	0.724
78		RES	595149.0	4139711.13	0.000962	1.924E-04	7.159E-07	0.716
79		RES	595122.11	4139726.19	0.000953	1.906E-04	7.092E-07	0.709
36		RES	595038.72	4139779.33	0.000951	1.903E-04	7.082E-07	0.708
14		RES	594982.07	4139821.18	0.00094	1.881E-04	6.999E-07	0.700
61		RES	594675.76	4140017.66	0.000937	1.874E-04	6.972E-07	0.697
12		RES	594970.89	4139835.36	0.000931	1.861E-04	6.926E-07	0.693
13		RES	594978.41	4139827.42	0.000929	1.858E-04	6.914E-07	0.691
20		RES	595008.52	4139801.8	0.000928	1.857E-04	6.910E-07	0.691
39		RES	595073.6	4139764.17	0.000923	1.845E-04	6.867E-07	0.687
45		RES	595101.05	4139744.34	0.000921	1.842E-04	6.856E-07	0.686
141		RES	595269.37	4139640.4	0.000914	1.829E-04	6.805E-07	0.680

POLID: 9901 POLABBREV: DIESELEXHPM

SCENARIO: 30YrCancerRMP_Inh_FAH16to70

REC	ID	GROUP	X	Y	CONC	CHRONIC HI	RISK_SUM	RISK_PER_MILLION
57		RES	594719.86	4140011.21	0.000913	1.826E-04	6.797E-07	0.680
145		RES	595293.41	4139620.15	0.000908	1.815E-04	6.756E-07	0.676
60		RES	594672.53	4140029.49	0.0009	1.799E-04	6.695E-07	0.670
19		RES	595014.14	4139805.02	0.000896	1.793E-04	6.672E-07	0.667
46		RES	595099.02	4139751.97	0.000893	1.786E-04	6.648E-07	0.665
29		RES	595030.15	4139798.54	0.000883	1.767E-04	6.575E-07	0.657
41		RES	595092.41	4139760.61	0.000879	1.759E-04	6.546E-07	0.655
58		RES	594711.25	4140024.11	0.000872	1.744E-04	6.491E-07	0.649
40		RES	595083.26	4139769.26	0.00087	1.740E-04	6.477E-07	0.648
138		RES	595222.55	4139692.28	0.00086	1.720E-04	6.402E-07	0.640
69		RES	594751.05	4140015.51	0.000844	1.688E-04	6.281E-07	0.628
59		RES	594705.88	4140034.87	0.000842	1.684E-04	6.268E-07	0.627
104		RES	594961.88	4139868.17	0.000835	1.670E-04	6.215E-07	0.621
139		RES	595239.0	4139691.02	0.000822	1.645E-04	6.121E-07	0.612
135		RES	595185.85	4139722.65	0.00081	1.620E-04	6.030E-07	0.603
68		RES	594744.6	4140030.57	0.000799	1.597E-04	5.944E-07	0.594
105		RES	594980.86	4139858.04	0.000799	1.597E-04	5.944E-07	0.594
142		RES	595287.08	4139658.12	0.000794	1.589E-04	5.913E-07	0.591
70		RES	594766.11	4140026.26	0.000781	1.562E-04	5.812E-07	0.581
144		RES	595308.59	4139645.46	0.000772	1.544E-04	5.745E-07	0.574
132		RES	595174.46	4139740.36	0.000762	1.524E-04	5.671E-07	0.567
136		RES	595220.02	4139718.85	0.00076	1.520E-04	5.657E-07	0.566
140		RES	595254.18	4139701.14	0.000752	1.504E-04	5.597E-07	0.560
107		RES	595003.64	4139856.78	0.000738	1.476E-04	5.494E-07	0.549
111		RES	595058.05	4139818.82	0.000737	1.473E-04	5.483E-07	0.548
130		RES	595082.09	4139806.16	0.000734	1.467E-04	5.461E-07	0.546
72		RES	594791.92	4140031.64	0.000724	1.448E-04	5.387E-07	0.539
129		RES	595103.6	4139798.57	0.000716	1.432E-04	5.328E-07	0.533
137		RES	595236.47	4139723.91	0.000715	1.429E-04	5.318E-07	0.532
106		RES	595003.64	4139871.96	0.000692	1.383E-04	5.147E-07	0.515
103		RES	594984.66	4139889.68	0.00069	1.380E-04	5.135E-07	0.513
71		RES	594787.62	4140044.55	0.000689	1.378E-04	5.130E-07	0.513
110		RES	595051.72	4139837.8	0.000687	1.375E-04	5.115E-07	0.512
131		RES	595178.26	4139761.88	0.000686	1.371E-04	5.103E-07	0.510
134		RES	595209.89	4139751.75	0.000668	1.336E-04	4.971E-07	0.497
128		RES	595112.46	4139808.69	0.000668	1.335E-04	4.969E-07	0.497
109		RES	595042.86	4139856.78	0.000653	1.305E-04	4.858E-07	0.486
133		RES	595194.71	4139766.94	0.000649	1.297E-04	4.827E-07	0.483
73		RES	594825.26	4140041.32	0.000648	1.296E-04	4.824E-07	0.482
165		RES	595349.08	4139666.97	0.000631	1.261E-04	4.694E-07	0.469
108		RES	595013.76	4139888.41	0.000628	1.257E-04	4.677E-07	0.468

POLID: 9901 POLABBREV: DIESELEXHPM

SCENARIO: 30YrCancerRMP_Inh_FAH16to70

REC	ID	GROUP	X	Y	CONC	CHRONIC HI	RISK_SUM	RISK_PER_MILLION
112		RES	595077.03	4139839.06	0.000628	1.257E-04	4.676E-07	0.468
161		RES	595307.33	4139710.0	0.000627	1.254E-04	4.668E-07	0.467
164		RES	595328.84	4139691.02	0.000624	1.248E-04	4.643E-07	0.464
126		RES	595103.6	4139830.21	0.000612	1.224E-04	4.554E-07	0.455
97		RES	594992.25	4139916.25	0.000609	1.219E-04	4.536E-07	0.454
74		RES	594846.77	4140049.93	0.0006	1.199E-04	4.463E-07	0.446
127		RES	595128.91	4139827.68	0.000598	1.195E-04	4.448E-07	0.445
162		RES	595294.67	4139736.57	0.000591	1.183E-04	4.401E-07	0.440
157		RES	595270.63	4139753.02	0.00059	1.181E-04	4.395E-07	0.439
102		RES	595017.56	4139903.6	0.000587	1.174E-04	4.371E-07	0.437
114		RES	595063.11	4139870.7	0.000585	1.169E-04	4.351E-07	0.435
113		RES	595075.76	4139859.31	0.000579	1.158E-04	4.311E-07	0.431
156		RES	595247.85	4139772.0	0.000577	1.153E-04	4.293E-07	0.429
101		RES	595016.29	4139921.31	0.000555	1.110E-04	4.132E-07	0.413
166		RES	595376.92	4139687.22	0.000549	1.099E-04	4.090E-07	0.409
163		RES	595357.94	4139713.79	0.000543	1.085E-04	4.040E-07	0.404
160		RES	595341.49	4139736.57	0.000531	1.062E-04	3.951E-07	0.395
159		RES	595314.92	4139758.08	0.000529	1.057E-04	3.935E-07	0.393
98		RES	595003.64	4139950.42	0.000526	1.052E-04	3.915E-07	0.392
125		RES	595154.22	4139850.45	0.000526	1.051E-04	3.912E-07	0.391
115		RES	595064.38	4139902.33	0.000525	1.050E-04	3.907E-07	0.391
116		RES	595078.29	4139889.68	0.000525	1.049E-04	3.905E-07	0.390
158		RES	595292.14	4139775.8	0.000525	1.049E-04	3.904E-07	0.390
155		RES	595278.22	4139792.25	0.000511	1.023E-04	3.806E-07	0.381
121		RES	595120.05	4139870.7	0.000511	1.022E-04	3.802E-07	0.380
120		RES	595108.66	4139887.15	0.00049	9.807E-05	3.649E-07	0.365
124		RES	595180.79	4139858.04	0.000488	9.762E-05	3.633E-07	0.363
117		RES	595083.36	4139912.46	0.000487	9.741E-05	3.625E-07	0.363
100		RES	595049.19	4139941.56	0.000482	9.637E-05	3.586E-07	0.359
122		RES	595149.16	4139880.82	0.000479	9.584E-05	3.567E-07	0.357
99		RES	595031.48	4139960.54	0.000475	9.508E-05	3.538E-07	0.354
118		RES	595102.34	4139916.25	0.000464	9.277E-05	3.452E-07	0.345
119		RES	595130.18	4139901.07	0.000463	9.253E-05	3.443E-07	0.344
152		RES	595241.53	4139844.13	0.000462	9.230E-05	3.435E-07	0.343
123		RES	595180.79	4139877.03	0.000459	9.188E-05	3.419E-07	0.342
151		RES	595235.2	4139856.78	0.00045	9.009E-05	3.353E-07	0.335
154		RES	595275.69	4139852.98	0.00043	8.608E-05	3.203E-07	0.320
150		RES	595235.2	4139875.76	0.000426	8.525E-05	3.173E-07	0.317
153		RES	595271.9	4139864.37	0.000419	8.376E-05	3.117E-07	0.312
149		RES	595226.34	4139898.54	0.000406	8.116E-05	3.020E-07	0.302
148		RES	595212.42	4139907.39	0.000404	8.080E-05	3.007E-07	0.301

POLID: 9901 POLABBREV: DIESELEXHPM								
SCENARIO: 30YrCancerRMP_Inh_FAH16to70								
REC	**ID**	**GROUP**	**X**	**Y**	**CONC**	**CHRONIC HI**	**RISK_SUM**	**RISK_PER_MILLION**
147		RES	595198.51	4139918.78	0.000398	7.963E-05	2.964E-07	0.296
146		RES	595171.93	4139936.5	0.000394	7.881E-05	2.933E-07	0.293

Montague Point Industrial Project

Scenario: Student1Risk

Exposure Inputs / Scenario Output

```
HARP2 - HRACalc (dated 22118) 1/6/2026 7:45:10 AM - Output Log
GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
```

RISK SCENARIO SETTINGS

```
Receptor Type: Worker
Scenario: Cancer
Calculation Method: Derived
```

EXPOSURE DURATION PARAMETERS FOR CANCER

```
Start Age: 3
Total Exposure Duration: 10
Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 10
16<30 Years Bin: 0
16 to 70 Years Bin: 0
```

PATHWAYS ENABLED

```
NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are
only used for cancer and noncancer chronic assessments.
Inhalation: True
Soil: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False
```

INHALATION

```
Daily breathing rate: Moderate8HR
```

Worker Adjustment Factors

```
Worker adjustment factors enabled: NO
```

Fraction at time at home

```
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF
```

TIER 2 SETTINGS

```
Tier2 adjustments were used in this assessment.  Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
F:\Jobs\62110001\OpHRA\HARP2\OPHRA\hra\StudentRiskCancerRisk.csv
Cancer risk total by receptor saved to:
F:\Jobs\62110001\OpHRA\HARP2\OPHRA\hra\StudentRiskCancerRiskSumByRec.csv
HRA ran successfully
```

POLID: 9901 POLABBREV: DIESELEXHPM								
SCENARIO: 10YrCancerDerived_Inh								
REC	**ID**	**GROUP**	**X**	**Y**	**CONC**	**CHRONIC HI**	**RISK_SUM**	**RISK_PER_MILLION**
251	PRESCHOOL	SCHOOL	594934.61	4139328.69	0.00102	2.048E-04	1.720E-07	0.172

Montague Point Industrial Project

Scenario: WorkerRisk

Exposure Inputs / Scenario Output

```
HARP2 - HRACalc (dated 22118) 1/6/2026 7:44:45 AM - Output Log
GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
```

RISK SCENARIO SETTINGS

```
Receptor Type: Worker
Scenario: Cancer
Calculation Method: Derived
```

EXPOSURE DURATION PARAMETERS FOR CANCER

```
Start Age: 16
Total Exposure Duration: 25
Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 25
```

PATHWAYS ENABLED

```
NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are
only used for cancer and noncancer chronic assessments.
Inhalation: True
Soil: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False
```

INHALATION

```
Daily breathing rate: Moderate8HR
```

Worker Adjustment Factors

```
Worker adjustment factors enabled: NO
```

Fraction at time at home

```
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF
```

TIER 2 SETTINGS

```
Tier2 not used.


Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
F:\Jobs\62110001\OpHRA\HARP2\OPHRA\hra\WokerRiskCancerRisk.csv
Cancer risk total by receptor saved to:
F:\Jobs\62110001\OpHRA\HARP2\OPHRA\hra\WokerRiskCancerRiskSumByRec.csv
HRA ran successfully
```

POLID: 9901 POLABBREV: DIESELEXHPM

SCENARIO: 25YrCancerDerived_Inh

REC	ID	GROUP	X	Y	CONC	CHRONIC HI	RISK_SUM	RISK_PER_MILLION
203	MEIW	NON-RES	594899.64	4139522.7	0.00286	5.716E-04	1.769E-07	0.177
197		NON-RES	594728.62	4139505.49	0.00276	5.525E-04	1.710E-07	0.171
225		NON-RES	595207.52	4139355.69	0.00262	5.247E-04	1.623E-07	0.162
226		NON-RES	595209.58	4139337.14	0.00235	4.705E-04	1.456E-07	0.146
204		NON-RES	594917.93	4139490.44	0.00234	4.685E-04	1.450E-07	0.145
173		NON-RES	594698.5	4139816.35	0.00221	4.428E-04	1.370E-07	0.137
174		NON-RES	594675.91	4139808.82	0.0022	4.410E-04	1.365E-07	0.136
172		NON-RES	594745.83	4139833.56	0.00216	4.328E-04	1.339E-07	0.134
171		NON-RES	594768.42	4139837.86	0.00212	4.243E-04	1.313E-07	0.131
205		NON-RES	594938.37	4139464.62	0.00212	4.233E-04	1.310E-07	0.131
175		NON-RES	594644.72	4139805.59	0.00211	4.223E-04	1.307E-07	0.131
199		NON-RES	594742.6	4139481.83	0.00198	3.964E-04	1.227E-07	0.123
227		NON-RES	595172.49	4139310.36	0.00197	3.949E-04	1.222E-07	0.122
170		NON-RES	594799.61	4139847.54	0.00193	3.869E-04	1.197E-07	0.120
198		NON-RES	594701.73	4139485.06	0.00182	3.647E-04	1.129E-07	0.113
246		NON-RES	595333.21	4139431.93	0.00174	3.487E-04	1.079E-07	0.108
177		NON-RES	594659.78	4139869.06	0.00173	3.464E-04	1.072E-07	0.107
247		NON-RES	595347.64	4139417.51	0.0017	3.406E-04	1.054E-07	0.105
176		NON-RES	594614.6	4139860.45	0.00169	3.372E-04	1.043E-07	0.104
250		NON-RES	595395.03	4139335.08	0.00165	3.290E-04	1.018E-07	0.102
169		NON-RES	594755.51	4139886.27	0.0016	3.190E-04	9.871E-08	0.099
200		NON-RES	594754.43	4139453.86	0.00157	3.147E-04	9.738E-08	0.097
228		NON-RES	595250.79	4139262.96	0.00155	3.095E-04	9.577E-08	0.096
201		NON-RES	594725.39	4139459.24	0.0015	2.994E-04	9.264E-08	0.093
249		NON-RES	595413.58	4139359.81	0.00143	2.868E-04	8.876E-08	0.089
215		NON-RES	594970.54	4139380.42	0.00141	2.827E-04	8.748E-08	0.087
168		NON-RES	594750.13	4139909.93	0.00141	2.818E-04	8.719E-08	0.087
241		NON-RES	595320.85	4139504.05	0.00135	2.691E-04	8.327E-08	0.083
229		NON-RES	595273.46	4139232.05	0.00135	2.691E-04	8.326E-08	0.083
216		NON-RES	594989.09	4139361.87	0.00133	2.656E-04	8.219E-08	0.082
231		NON-RES	595228.12	4139238.23	0.00131	2.629E-04	8.135E-08	0.081
244		NON-RES	595368.25	4139466.96	0.00126	2.517E-04	7.789E-08	0.078
217		NON-RES	594923.15	4139376.3	0.00126	2.511E-04	7.769E-08	0.078
167		NON-RES	594745.83	4139933.59	0.00125	2.500E-04	7.735E-08	0.077
245		NON-RES	595384.73	4139458.72	0.00121	2.412E-04	7.464E-08	0.075
232		NON-RES	595246.67	4139213.51	0.00119	2.371E-04	7.337E-08	0.073
218		NON-RES	594935.51	4139357.75	0.00117	2.343E-04	7.251E-08	0.073
190		NON-RES	594531.78	4139557.12	0.00116	2.319E-04	7.177E-08	0.072
191		NON-RES	594547.91	4139540.99	0.00114	2.286E-04	7.075E-08	0.071
189		NON-RES	594510.27	4139570.03	0.00113	2.266E-04	7.011E-08	0.070
187		NON-RES	594488.75	4139575.41	0.00109	2.185E-04	6.760E-08	0.068

POLID: 9901 POLABBREV: DIESELEXHPM

SCENARIO: 25YrCancerDerived_Inh

REC	ID	GROUP	X	Y	CONC	CHRONIC HI	RISK_SUM	RISK_PER_MILLION
202		NON-RES	594712.48	4139432.35	0.00108	2.162E-04	6.690E-08	0.067
230		NON-RES	595296.12	4139182.6	0.00108	2.162E-04	6.690E-08	0.067
179		NON-RES	594384.42	4139761.49	0.00106	2.111E-04	6.532E-08	0.065
233		NON-RES	595273.46	4139178.48	0.00104	2.076E-04	6.425E-08	0.064
178		NON-RES	594373.66	4139779.78	0.00103	2.060E-04	6.375E-08	0.064
219		NON-RES	594851.03	4139347.45	0.000982	1.964E-04	6.077E-08	0.061
188		NON-RES	594485.53	4139561.43	0.000963	1.925E-04	5.958E-08	0.060
184		NON-RES	594380.12	4139691.58	0.000952	1.905E-04	5.894E-08	0.059
183		NON-RES	594368.28	4139710.94	0.000917	1.834E-04	5.677E-08	0.057
248		NON-RES	595477.46	4139431.93	0.000906	1.812E-04	5.608E-08	0.056
182		NON-RES	594356.45	4139733.53	0.000901	1.802E-04	5.577E-08	0.056
181		NON-RES	594345.7	4139757.19	0.000896	1.793E-04	5.547E-08	0.055
234		NON-RES	595123.03	4139211.45	0.000894	1.788E-04	5.532E-08	0.055
180		NON-RES	594332.79	4139783.01	0.000888	1.775E-04	5.494E-08	0.055
220		NON-RES	594863.39	4139316.54	0.000865	1.731E-04	5.355E-08	0.054
235		NON-RES	595139.52	4139190.84	0.00085	1.699E-04	5.258E-08	0.053
224		NON-RES	594803.63	4139333.02	0.000799	1.597E-04	4.942E-08	0.049
185		NON-RES	594328.49	4139720.62	0.000784	1.568E-04	4.852E-08	0.049
186		NON-RES	594310.2	4139748.59	0.000767	1.534E-04	4.746E-08	0.047
221		NON-RES	594896.36	4139271.2	0.000756	1.512E-04	4.680E-08	0.047
242		NON-RES	595446.55	4139520.54	0.000756	1.511E-04	4.677E-08	0.047
240		NON-RES	595392.97	4139574.12	0.000752	1.504E-04	4.655E-08	0.047
236		NON-RES	595071.52	4139192.9	0.000731	1.461E-04	4.521E-08	0.045
237		NON-RES	595094.18	4139159.93	0.000675	1.350E-04	4.178E-08	0.042
222		NON-RES	594929.33	4139227.93	0.000673	1.346E-04	4.165E-08	0.042
243		NON-RES	595465.09	4139545.27	0.000655	1.311E-04	4.057E-08	0.041
192		NON-RES	594557.59	4139472.15	0.00065	1.300E-04	4.022E-08	0.040
238		NON-RES	595417.7	4139607.09	0.000616	1.232E-04	3.812E-08	0.038
193		NON-RES	594516.72	4139485.06	0.000615	1.230E-04	3.806E-08	0.038
239		NON-RES	595438.31	4139592.66	0.000608	1.216E-04	3.764E-08	0.038
194		NON-RES	594473.7	4139496.89	0.000602	1.203E-04	3.724E-08	0.037
195		NON-RES	594443.58	4139502.27	0.0006	1.201E-04	3.715E-08	0.037
223		NON-RES	594873.7	4139221.75	0.000584	1.169E-04	3.617E-08	0.036
196		NON-RES	594466.17	4139471.07	0.000511	1.023E-04	3.166E-08	0.032
209		NON-RES	594601.69	4139388.66	0.000456	9.122E-05	2.823E-08	0.028
210		NON-RES	594624.36	4139349.51	0.000404	8.086E-05	2.502E-08	0.025
211		NON-RES	594636.72	4139339.2	0.000401	8.011E-05	2.479E-08	0.025
206		NON-RES	594377.08	4139438.11	0.000357	7.133E-05	2.207E-08	0.022
213		NON-RES	594680.0	4139256.78	0.000328	6.555E-05	2.028E-08	0.020
212		NON-RES	594568.72	4139312.42	0.000304	6.072E-05	1.879E-08	0.019
207		NON-RES	594366.78	4139407.2	0.00029	5.807E-05	1.797E-08	0.018

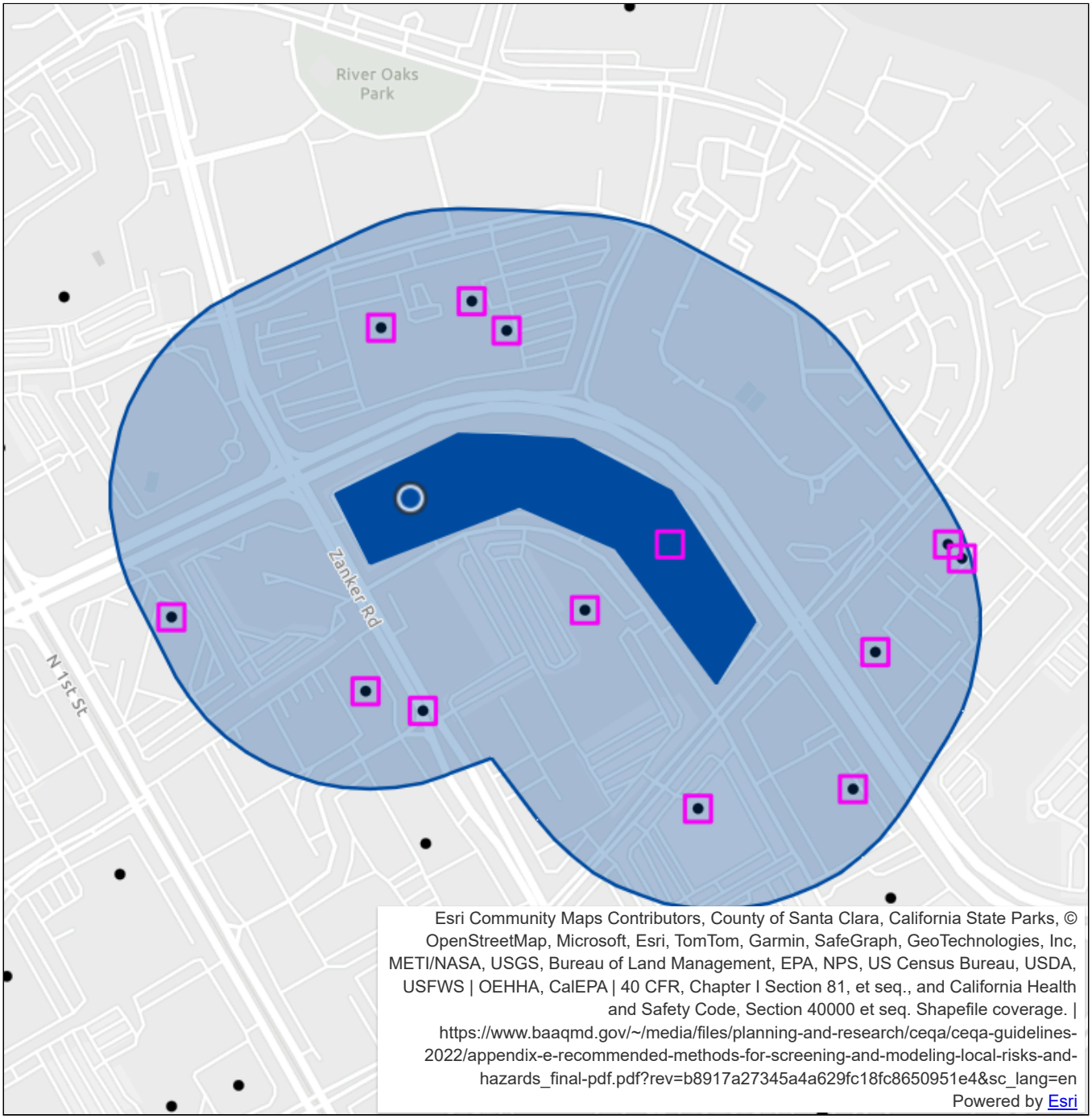
POLID: 9901 POLABBREV: DIESELEXHPM								
SCENARIO: 25YrCancerDerived_Inh								
REC	**ID**	**GROUP**	**X**	**Y**	**CONC**	**CHRONIC HI**	**RISK_SUM**	**RISK_PER_MILLION**
214		NON-RES	594628.48	4139225.87	0.000258	5.169E-05	1.599E-08	0.016
208		NON-RES	594486.3	4139279.45	0.00023	4.601E-05	1.424E-08	0.014

BAAQMD Stationary Source Screening Map

Area of Interest (AOI) Information

Area: 8,762,519.52 ft²

Date: Mon Jan 05 2026 21:00:29 GMT-0800 (Pacific Standard Time)



Permitted Stationary Sources

●

Bay Area Air District Boundary

Overburdened Communities

Permitted Stationary Sources | Total count: 13

#	OBJECTID	FacilityID	FacilityName
1	5953	24146	Best Fang Holdings LLC
2	4946	22263	Boston Properties
3	6683	200384	CMK LLC
4	4133	20584	CMK LLC (Broadcom Corporation)
5	595	7713	City of San Jose DPT of Trans: Zanker Rd Biofilter
6	5965	24171	Eugenus Inc
7	6059	24339	FormFactor Inc
8	6678	200370	Griffin Essentials Asset REIT II LLC c/o Transwest
9	5780	23806	MediaTek USA Inc
10	2045	15479	NeoPhotonics Corporation
11	4220	20777	Santa Clara County - FAF (Public Health Warehouse)
12	5170	22683	TSMC North America
13	1793	14707	Verizon Business - SQZPCA

#	Address	City	State
1	3060 N 1st Street	San Jose	CA
2	3120 Zanker Road	San Jose	CA
3	250 Innovation Dr	San Jose	CA
4	3110 Zanker Road	San Jose	CA
5	Daggett Rd & Zanker Rd	San Jose	CA
6	677 River Oaks Pkwy	San Jose	CA
7	617 River Oaks Pkwy	San Jose	CA
8	350 E PLUMERIA DR	San Jose	CA
9	2840 Junction Avenue	San Jose	CA
10	2911 Zanker Road	San Jose	CA
11	2730 Junction Avenue	San Jose	CA
12	2851 Junction Avenue	San Jose	CA
13	611 River Oaks Pkwy	San Jose	CA

#	Zip	County	Latitude
1	95134	Santa Clara	37.397189
2	95134	Santa Clara	37.401036
3	95134	Santa Clara	37.400706
4	95134	Santa Clara	37.400684
5	95134	Santa Clara	37.396043
6	95134	Santa Clara	37.396760
7	95134	Santa Clara	37.398069
8	95134	Santa Clara	37.394840
9	95134	Santa Clara	37.398065
10	95134	Santa Clara	37.396283
11	95134	Santa Clara	37.395091
12	95134	Santa Clara	37.397267
13	95134	Santa Clara	37.397894

#	Longitude	SourceType	NAICS
1	-121.933918	Generator	531312
2	-121.929292	Generator	531311
3	-121.930689	Generator	561990
4	-121.928750	Generator	531390
5	-121.930056	*No data*	921190
6	-121.923085	*No data*	333248
7	-121.921977	*No data*	334413
8	-121.925828	Generator	531210
9	-121.926254	Generator	531312
10	-121.930922	*No data*	334413
11	-121.923437	Generator	624230
12	-121.927549	Generator	513210
13	-121.921753	Generator	517111

#	NAICS Sector	NAICS Subsector	NAICS Industry
1	Real Estate and Rental and Leasing	Real Estate	Nonresidential Property Managers
2	Real Estate and Rental and Leasing	Real Estate	Residential Property Managers
3	Administrative and Support and Waste Management and Remediation Services	Administrative and Support Services	All Other Support Services
4	Real Estate and Rental and Leasing	Real Estate	Other Activities Related to Real Estate
5	Public Administration	Executive, Legislative, and Other General Government Support	Other General Government Support
6	Manufacturing	Machinery Manufacturing	All Other Industrial Machinery Manufacturing
7	Manufacturing	Computer and Electronic Product Manufacturing	Semiconductor and Related Device Manufacturing
8	Real Estate and Rental and Leasing	Real Estate	Offices of Real Estate Agents and Brokers
9	Real Estate and Rental and Leasing	Real Estate	Nonresidential Property Managers
10	Manufacturing	Computer and Electronic Product Manufacturing	Semiconductor and Related Device Manufacturing
11	Health Care and Social Assistance	Social Assistance	Emergency and Other Relief Services
12	Information	Newspaper Publishers	Software Publishers
13	Information	Telecommunications	Wired Telecommunications Carriers

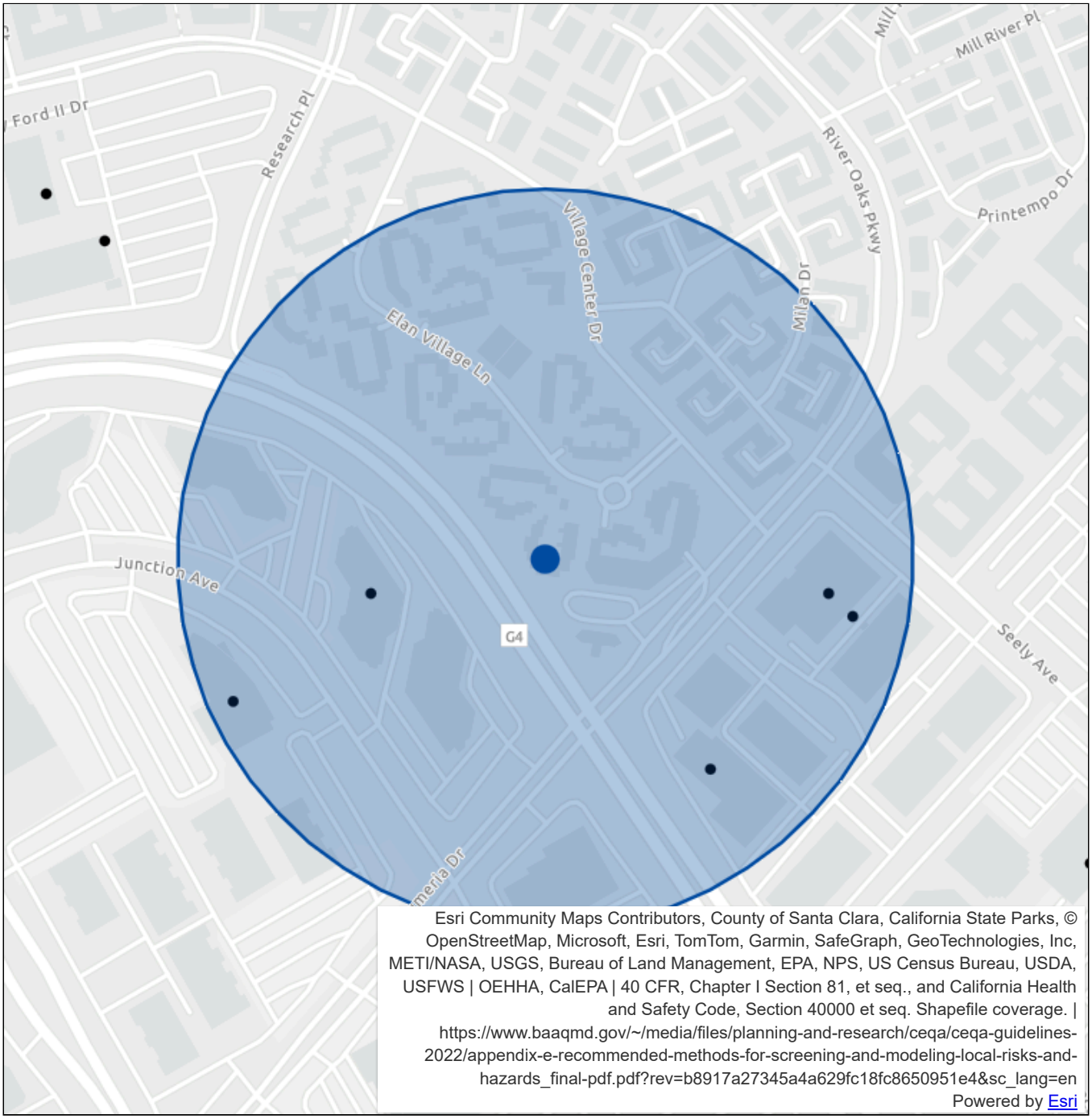
#	CancerRisk	ChronicHI	PM25	Throughput_Gal/yr
1	37	0.01	0.05	*No data*
2	3	0.00	0.00	*No data*
3	4	0.00	0.00	*No data*
4	1	0.00	0.00	*No data*
5	0	0.11	0.00	*No data*
6	5	0.00	0.01	*No data*
7	0	0.00	0.00	*No data*
8	1	0.00	0.00	*No data*
9	11	0.00	0.01	*No data*
10	3	0.00	0.02	*No data*
11	1	0.00	0.00	*No data*
12	0	0.00	0.00	*No data*
13	13	0.00	0.02	*No data*

SS Output MEIR Con

Area of Interest (AOI) Information

Area: 3,134,508.68 ft²

Date: Wed Jan 07 2026 18:36:32 GMT-0800 (Pacific Standard Time)



Permitted Stationary Sources

●

Bay Area Air District Boundary

Overburdened Communities

Permitted Stationary Sources | Total count: 5

#	OBJECTID	FacilityID	FacilityName
1	5965	24171	Eugenus Inc
2	6059	24339	FormFactor Inc
3	5780	23806	MediaTek USA Inc
4	5170	22683	TSMC North America
5	1793	14707	Verizon Business - SQZPCA

#	Address	City	State
1	677 River Oaks Pkwy	San Jose	CA
2	617 River Oaks Pkwy	San Jose	CA
3	2840 Junction Avenue	San Jose	CA
4	2851 Junction Avenue	San Jose	CA
5	611 River Oaks Pkwy	San Jose	CA

#	Zip	County	Latitude
1	95134	Santa Clara	37.396760
2	95134	Santa Clara	37.398069
3	95134	Santa Clara	37.398065
4	95134	Santa Clara	37.397267
5	95134	Santa Clara	37.397894

#	Longitude	SourceType	NAICS
1	-121.923085	*No data*	333248
2	-121.921977	*No data*	334413
3	-121.926254	Generator	531312
4	-121.927549	Generator	513210
5	-121.921753	Generator	517111

#	NAICS Sector	NAICS Subsector	NAICS Industry
1	Manufacturing	Machinery Manufacturing	All Other Industrial Machinery Manufacturing
2	Manufacturing	Computer and Electronic Product Manufacturing	Semiconductor and Related Device Manufacturing
3	Real Estate and Rental and Leasing	Real Estate	Nonresidential Property Managers
4	Information	Newspaper Publishers	Software Publishers
5	Information	Telecommunications	Wired Telecommunications Carriers

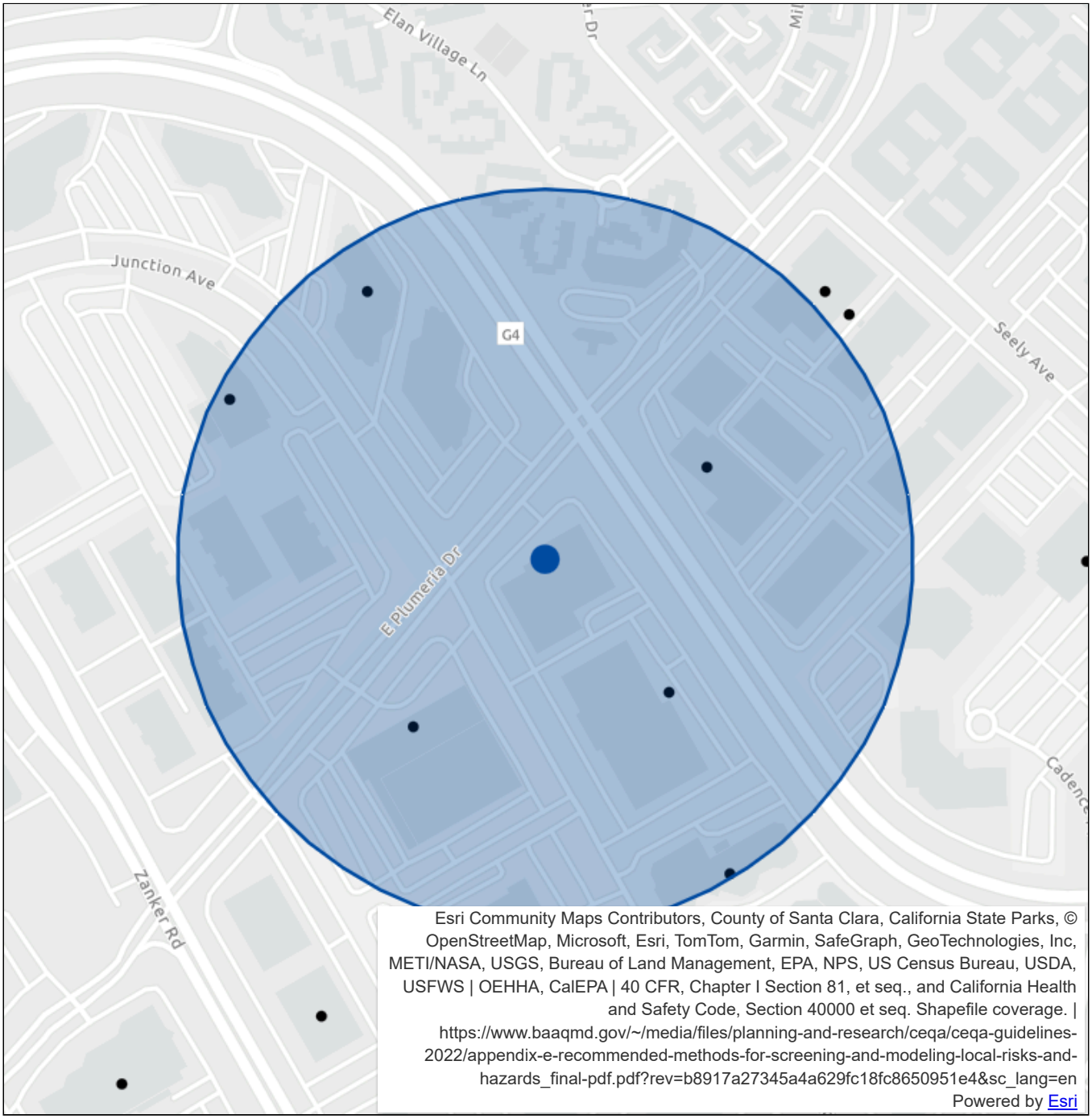
#	CancerRisk	ChronicHI	PM25	Throughput_Gal/yr
1	5	0.00	0.01	*No data*
2	0	0.00	0.00	*No data*
3	11	0.00	0.01	*No data*
4	0	0.00	0.00	*No data*
5	13	0.00	0.02	*No data*

SS Output MEIW Con

Area of Interest (AOI) Information

Area: 3,134,508.68 ft²

Date: Wed Jan 07 2026 18:38:16 GMT-0800 (Pacific Standard Time)



Permitted Stationary Sources

●

Bay Area Air District Boundary

Overburdened Communities

Permitted Stationary Sources | Total count: 6

#	OBJECTID	FacilityID	FacilityName
1	4916	22203	Avnet Inc
2	5965	24171	Eugenus Inc
3	6678	200370	Griffin Essentials Asset REIT II LLC c/o Transwest
4	5780	23806	MediaTek USA Inc
5	4220	20777	Santa Clara County - FAF (Public Health Warehouse)
6	5170	22683	TSMC North America

#	Address	City	State
1	2580 Junction Avenue	San Jose	CA
2	677 River Oaks Pkwy	San Jose	CA
3	350 E PLUMERIA DR	San Jose	CA
4	2840 Junction Avenue	San Jose	CA
5	2730 Junction Avenue	San Jose	CA
6	2851 Junction Avenue	San Jose	CA

#	Zip	County	Latitude
1	95134	Santa Clara	37.393747
2	95134	Santa Clara	37.396760
3	95134	Santa Clara	37.394840
4	95134	Santa Clara	37.398065
5	95134	Santa Clara	37.395091
6	95134	Santa Clara	37.397267

#	Longitude	SourceType	NAICS
1	-121.922866	Generator	518210
2	-121.923085	*No data*	333248
3	-121.925828	Generator	531210
4	-121.926254	Generator	531312
5	-121.923437	Generator	624230
6	-121.927549	Generator	513210

#	NAICS Sector	NAICS Subsector	NAICS Industry
1	Information	Data Processing, Hosting and Related Services	Data Processing, Hosting, and Related Services
2	Manufacturing	Machinery Manufacturing	All Other Industrial Machinery Manufacturing
3	Real Estate and Rental and Leasing	Real Estate	Offices of Real Estate Agents and Brokers
4	Real Estate and Rental and Leasing	Real Estate	Nonresidential Property Managers
5	Health Care and Social Assistance	Social Assistance	Emergency and Other Relief Services
6	Information	Newspaper Publishers	Software Publishers

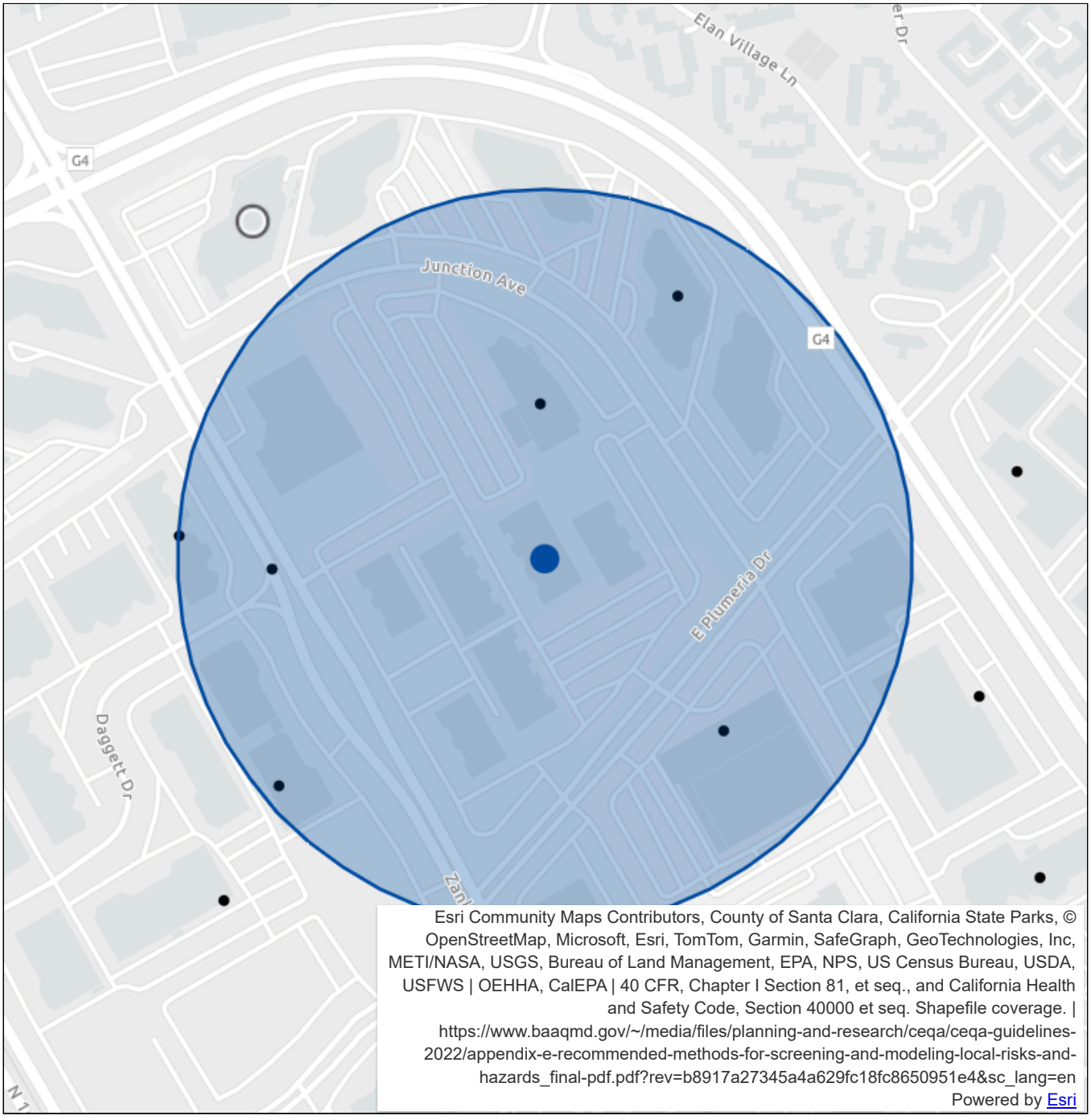
#	CancerRisk	ChronicHI	PM25	Throughput_Gal/yr
1	3	0.00	0.00	*No data*
2	5	0.00	0.01	*No data*
3	1	0.00	0.00	*No data*
4	11	0.00	0.01	*No data*
5	1	0.00	0.00	*No data*
6	0	0.00	0.00	*No data*

SS Output School

Area of Interest (AOI) Information

Area: 3,134,508.68 ft²

Date: Wed Jan 07 2026 18:40:22 GMT-0800 (Pacific Standard Time)



Permitted Stationary Sources

●

Bay Area Air District Boundary

Overburdened Communities

Permitted Stationary Sources | Total count: 6

#	OBJECTID	FacilityID	FacilityName
1	6464	25070	BXP North First LP
2	595	7713	City of San Jose DPT of Trans: Zanker Rd Biofilter
3	6678	200370	Griffin Essentials Asset REIT II LLC c/o Transwest
4	5780	23806	MediaTek USA Inc
5	2045	15479	NeoPhotonics Corporation
6	5170	22683	TSMC North America

#	Address	City	State
1	2865 Zanker Road	San Jose	CA
2	Daggett Rd & Zanker Rd	San Jose	CA
3	350 E PLUMERIA DR	San Jose	CA
4	2840 Junction Avenue	San Jose	CA
5	2911 Zanker Road	San Jose	CA
6	2851 Junction Avenue	San Jose	CA

#	Zip	County	Latitude
1	95134	Santa Clara	37.394428
2	95134	Santa Clara	37.396043
3	95134	Santa Clara	37.394840
4	95134	Santa Clara	37.398065
5	95134	Santa Clara	37.396283
6	95134	Santa Clara	37.397267

#	Longitude	SourceType	NAICS
1	-121.929993	Generator	334413
2	-121.930056	*No data*	921190
3	-121.925828	Generator	531210
4	-121.926254	Generator	531312
5	-121.930922	*No data*	334413
6	-121.927549	Generator	513210

#	NAICS Sector	NAICS Subsector	NAICS Industry
1	Manufacturing	Computer and Electronic Product Manufacturing	Semiconductor and Related Device Manufacturing
2	Public Administration	Executive, Legislative, and Other General Government Support	Other General Government Support
3	Real Estate and Rental and Leasing	Real Estate	Offices of Real Estate Agents and Brokers
4	Real Estate and Rental and Leasing	Real Estate	Nonresidential Property Managers
5	Manufacturing	Computer and Electronic Product Manufacturing	Semiconductor and Related Device Manufacturing
6	Information	Newspaper Publishers	Software Publishers

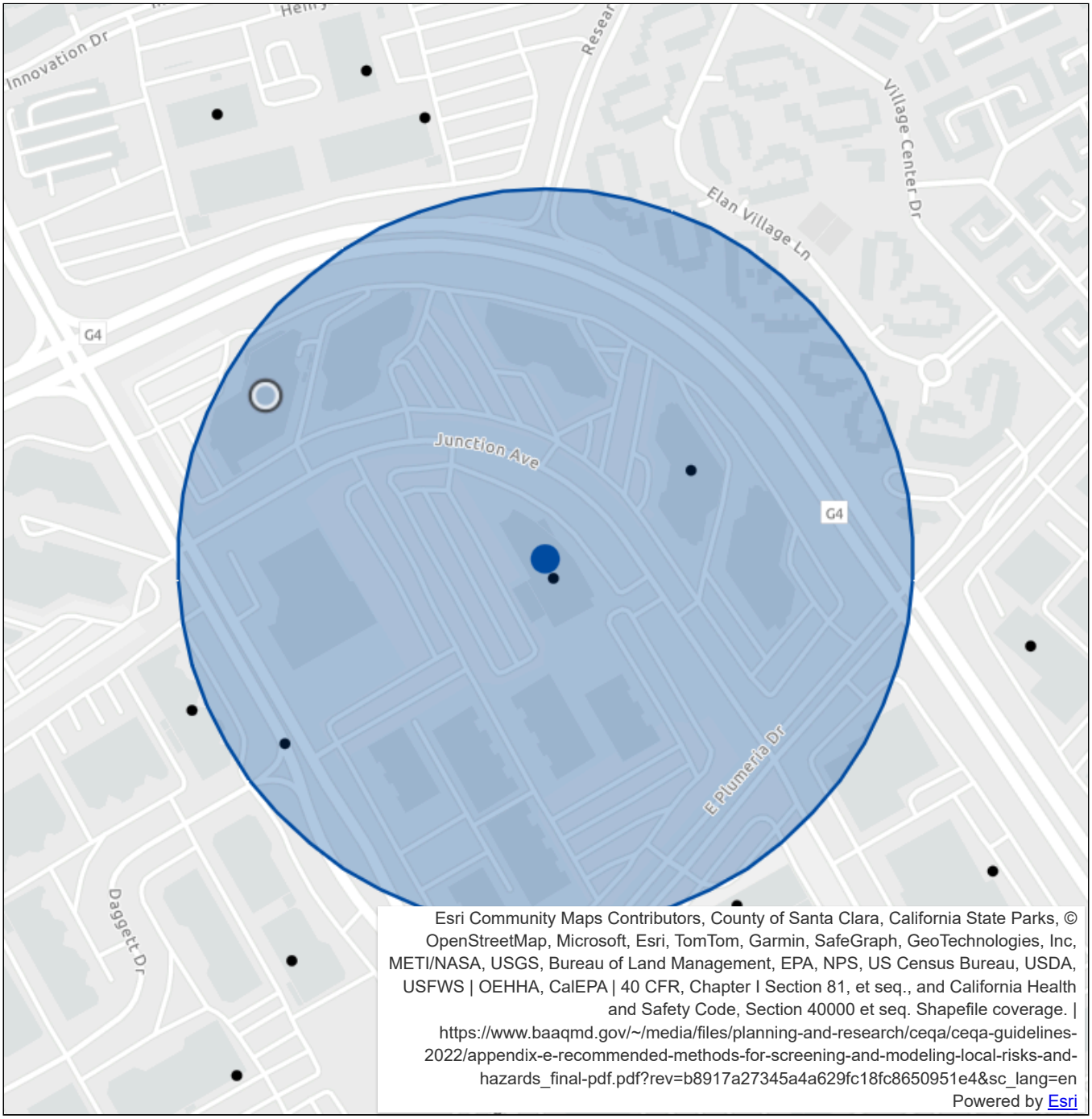
#	CancerRisk	ChronicHI	PM25	Throughput_Gal/yr
1	0	0.00	0.00	*No data*
2	0	0.11	0.00	*No data*
3	1	0.00	0.00	*No data*
4	11	0.00	0.01	*No data*
5	3	0.00	0.02	*No data*
6	0	0.00	0.00	*No data*

SS Output MEIW Ops

Area of Interest (AOI) Information

Area: 3,134,508.68 ft²

Date: Wed Jan 07 2026 18:44:45 GMT-0800 (Pacific Standard Time)



Permitted Stationary Sources

●

Bay Area Air District Boundary

Overburdened Communities

Permitted Stationary Sources | Total count: 3

#	OBJECTID	FacilityID	FacilityName
1	595	7713	City of San Jose DPT of Trans: Zanker Rd Biofilter
2	5780	23806	MediaTek USA Inc
3	5170	22683	TSMC North America

#	Address	City	State
1	Daggett Rd & Zanker Rd	San Jose	CA
2	2840 Junction Avenue	San Jose	CA
3	2851 Junction Avenue	San Jose	CA

#	Zip	County	Latitude
1	95134	Santa Clara	37.396043
2	95134	Santa Clara	37.398065
3	95134	Santa Clara	37.397267

#	Longitude	SourceType	NAICS
1	-121.930056	*No data*	921190
2	-121.926254	Generator	531312
3	-121.927549	Generator	513210

#	NAICS Sector	NAICS Subsector	NAICS Industry
1	Public Administration	Executive, Legislative, and Other General Government Support	Other General Government Support
2	Real Estate and Rental and Leasing	Real Estate	Nonresidential Property Managers
3	Information	Newspaper Publishers	Software Publishers

#	CancerRisk	ChronicHI	PM25	Throughput_Gal/yr
1	0	0.11	0.00	*No data*
2	11	0.00	0.01	*No data*
3	0	0.00	0.00	*No data*

Bay Area Air District - Mobile Source Screening Tool

Receptor Risk Assessment Results

Prepared by: FirstCarbon Solutions

Date of Analysis: 2026-01-06

Raster Files Used (BAAQMD Update Dates):

Road Cancer Risk: raster\cancrsk_onroad_carb_trk_frac.tif (Last Updated: 8-Dec-22)

Road Chronic HI: raster\chronhi_onroad_carb_trk_frac.tif (Last Updated: 8-Dec-22)

Road PM2.5: raster\PM25_onroad_carb_trk_frac.tif (Last Updated: 8-Dec-22)

Rail Cancer Risk: raster\rail_all_cancrsk.tif (Last Updated: 21-Aug-25)

Rail Chronic HI: raster\rail_all_chronhi.tif (Last Updated: 21-Aug-25)

Rail PM2.5: raster\rail_all_pm25.tif (Last Updated: 21-Aug-25)

Results Table:

Receptor ID	UTMX	UTMY	Road Cancer Risk	Road Chronic HI	Road PM2.5	Rail Cancer Risk	Rail Chronic HI	Rail PM2.5
MEIR	595180	4139586	19.975494	0.074522	0.530639	0.000000	0.000000	0.000000
MEIW	595208	4139356	9.588234	0.035046	0.254647	0.000000	0.000000	0.000000
School	594935	4139329	7.021209	0.031009	0.259150	0.000000	0.000000	0.000000

Data provided by: BAAQMD as raster file (.tif) datasets

Bay Area Air District - Mobile Source Screening Tool

Receptor Risk Assessment Results

Prepared by: FirstCarbon Solutions

Date of Analysis: 2026-01-07

Raster Files Used (BAAQMD Update Dates):

Road Cancer Risk: raster\cancrsk_onroad_carb_trk_frac.tif (Last Updated: December 8, 2022)

Road Chronic HI: raster\chronhi_onroad_carb_trk_frac.tif (Last Updated: December 8, 2022)

Road PM2.5: raster\PM25_onroad_carb_trk_frac.tif (Last Updated: December 8, 2022)

Rail Cancer Risk: raster\rail_all_cancrsk.tif (Last Updated: August 25, 2025)

Rail Chronic HI: raster\rail_all_chronhi.tif (Last Updated: August 25, 2025)

Rail PM2.5: raster\rail_all_pm25.tif (Last Updated: August 25, 2025)

Results Table:

Receptor ID	UTMX	UTMY	Road Cancer Risk	Road Chronic HI	Road PM2.5	Rail Cancer Risk	Rail Chronic HI	Rail PM2.5
MEIWOp	594900	4139523	7.384139	0.030670	0.250227	0.000000	0.000000	0.000000

Data provided by: BAAQMD as raster file (.tif) datasets

Montague Point Industrial Project - Construction

Off-Road Equipment Fuel Use

0.054	bhphr/gal
18.5	gal/bhp-hr

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor	Days	bhp-hr	gallons
Linear, Grading & Excavation	Excavators	Diesel	Average	1	8	36	0.38	25	2736	148
Linear, Grading & Excavation	Graders	Diesel	Average	1	8	148	0.41	25	12136	655
Linear, Grading & Excavation	Rollers	Diesel	Average	1	8	36	0.38	25	2736	148
Linear, Grading & Excavation	Rubber Tired Loaders	Diesel	Average	1	8	150	0.36	25	10800	583
Linear, Grading & Excavation	Tractors/Loaders/Backhoes	Diesel	Average	1	8	84	0.37	25	6216	336
Linear, Drainage, Utilities, & Sub-Grade	Graders	Diesel	Average	1	8	148	0.41	18	8738	472
Linear, Drainage, Utilities, & Sub-Grade	Plate Compactors	Diesel	Average	1	8	8	0.43	18	495	27
Linear, Drainage, Utilities, & Sub-Grade	Rough Terrain Forklifts	Diesel	Average	1	8	96	0.4	18	5530	299
Linear, Drainage, Utilities, & Sub-Grade	Tractors/Loaders/Backhoes	Diesel	Average	1	8	84	0.37	18	4476	242
Linear, Paving	Pavers	Diesel	Average	1	8	81	0.42	7	1905	103
Linear, Paving	Paving Equipment	Diesel	Average	1	8	89	0.36	7	1794	97
Linear, Paving	Rollers	Diesel	Average	1	8	36	0.38	7	766	41
Linear, Paving	Cement and Mortar Mixers	Diesel	Average	1	8	10	0.56	7	314	17
Demolition	Concrete/Industrial Saws	Diesel	Average	1	8	33	0.73	30	5782	312
Demolition	Excavators	Diesel	Average	3	8	36	0.38	30	9850	532
Demolition	Rubber Tired Dozers	Diesel	Average	2	8	367	0.4	30	70464	3,805
Site Preparation	Rubber Tired Dozers	Diesel	Average	3	8	367	0.4	10	35232	1,903
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4	8	84	0.37	10	9946	537
Grading	Excavators	Diesel	Average	2	8	36	0.38	35	7661	414
Grading	Graders	Diesel	Average	1	8	148	0.41	35	16990	917
Grading	Rubber Tired Dozers	Diesel	Average	1	8	367	0.4	35	41104	2,220
Grading	Scrapers	Diesel	Average	2	8	423	0.48	35	113702	6,140
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2	8	84	0.37	35	17405	940
Building Construction	Cranes	Diesel	Average	1	7	367	0.29	325	242128	13,075
Building Construction	Forklifts	Diesel	Average	3	8	82	0.2	325	127920	6,908
Building Construction	Generator Sets	Diesel	Average	1	8	14	0.74	325	26936	1,455
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3	7	84	0.37	325	212121	11,455
Building Construction	Welders	Diesel	Average	1	8	46	0.45	325	53820	2,906
Paving	Pavers	Diesel	Average	2	8	81	0.42	40	21773	1,176
Paving	Paving Equipment	Diesel	Average	2	8	89	0.36	40	20506	1,107
Paving	Rollers	Diesel	Average	2	8	36	0.38	40	8755	473
Architectural Coating	Air Compressors	Diesel	Average	1	6	37	0.48	100	10656	575
										60,015

Montague Point Industrial Project - Construction

Construction Vehicle Fuel

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Days	VMT	Vehicle Mix
Linear, Grading & Excavation	Worker	13	11.7	25	3656	LDA,LDT1,LDT2
Linear, Grading & Excavation	Vendor	0	8.4	25	0	HHDT,MHDT
Linear, Grading & Excavation	Hauling	0	20	25	0	HHDT
Linear, Grading & Excavation	Onsite truck					HHDT
Linear, Drainage, Utilities, & Sub-Grade	Worker	10	11.7	18	2106	LDA,LDT1,LDT2
Linear, Drainage, Utilities, & Sub-Grade	Vendor	0	8.4	18	0	HHDT,MHDT
Linear, Drainage, Utilities, & Sub-Grade	Hauling	0	20	18	0	HHDT
Linear, Drainage, Utilities, & Sub-Grade	Onsite truck					HHDT
Linear, Paving	Worker	10	11.7	7	819	LDA,LDT1,LDT2
Linear, Paving	Vendor	14	8.4	7	823	HHDT
Linear, Paving	Hauling	0	20	7	0	HHDT
Linear, Paving	Onsite truck					HHDT
Demolition	Worker	15	11.7	30	5265	LDA,LDT1,LDT2
Demolition	Vendor	12	8.4	30	3024	HHDT
Demolition	Hauling	329	20	30	197120	HHDT
Demolition	Onsite truck					HHDT
Site Preparation	Worker	18	11.7	10	2048	LDA,LDT1,LDT2
Site Preparation	Vendor	12	8.4	10	1008	HHDT,MHDT
Site Preparation	Hauling	0	20	10	0	HHDT
Site Preparation	Onsite truck					HHDT
Grading	Worker	20	11.7	35	8190	LDA,LDT1,LDT2
Grading	Vendor		8.4			HHDT,MHDT
Grading	Hauling	0	20	35	0	HHDT
Grading	Onsite truck					HHDT
Building Construction	Worker	180	11.7	325	682900	LDA,LDT1,LDT2
Building Construction	Vendor	70	8.4	325	191329	HHDT,MHDT
Building Construction	Hauling	0	20	325	0	HHDT
Building Construction	Onsite truck					HHDT
Paving	Worker	15	11.7	40	7020	LDA,LDT1,LDT2
Paving	Vendor	24	8.4	40	8064	HHDT
Paving	Hauling	0	20	40	0	HHDT
Paving	Onsite truck					HHDT
Architectural Coating	Worker	36	11.7	100	42025	LDA,LDT1,LDT2
Architectural Coating	Vendor		8.4			HHDT,MHDT
Architectural Coating	Hauling	0	20	100	0	HHDT
Architectural Coating	Onsite truck					HHDT

2026
Santa Clara

Santa Clara

mpg	gal/mile	EMFAC Vehicle Category
31.52	0.03172304	LDA
26.29	0.03804093	LDT1
25.65	0.03899364	LDT2
8.54	0.11709322	MHDT

Santa Clara

Vehicle Categ	VMT TOTALS
LDA,LDT1,LDT2	754,029
HHDT,MHDT	192,337
MHDT	-
HHDT	209,031

Montague Point Industrial Project

Operational Fuel

Warehouse,.
Unrefrigerated **3,447,206** **VMT/year**

Vehicle Category	Fleet Mix	by Veh Cat	CVMT Fuel (gallons)					EVMT Energy (kWHr)	
			Gasoline	Diesel	Natural Gas	Electricity	Plug-in Hybrid	Electricity	Plug-in Hybrid
HHDT	60.34%	2,080,044.3	66	307384	20730	-	-		
LDA	0.00%	-	0	0	-	-	0	97670	-
LDT1	0.00%	-	0	0	-	-	0	0	0
LDT2	0.00%	-	0	0	-	-	0	0	0
LHDT1	0.00%	-	0	0	-	-	-	0	0
LHDT2	0.00%	-	0	0	-	-	-	0	-
MCY	0.00%	-	0	-	-	-	-	0	-
MDV	0.00%	-	0	0	-	-	0	-	-
MH	0.00%	-	0	0	-	-	-	0	0
MHDT	39.66%	1,367,162.0	37082	128249	1932	-	-	-	-
OBUS	0.00%	-	0	0	0	-	-	66323	-
SBUS	0.00%	-	0	0	0	-	-	0	-
UBUS	0.00%	-						0	-
	100%	**3,447,206**	**37,148**	**435,634**	**22,663**	**-**	**-**	**163,993**	**-**

Montague Point Industrial Project

Operational Fuel

Office (associated with warehouse)	4094161.723	VMT/year	CVMT Fuel (gallons)					EVMT Energy (kWHr)	
Vehicle Category	Fleet Mix	by Veh Cat	Gasoline	Diesel	Natural Gas	Electricity	Plug-in Hybrid	Electricity	Plug-in Hybrid
HHDT	0.00%	0	0	0	0	-	-		
LDA	56.14%	2298308	56910	47	-	-	1329	0	-
LDT1	4.01%	164369	5445	0	-	-	29	98989	15217
LDT2	25.50%	1043926	34915	99	-	-	309	1080	363
LHDT1	0.00%	0	0	0	-	-	-	7717	3700
LHDT2	0.00%	0	0	0	-	-	-	0	-
MCY	0.00%	0	0	-	-	-	-	0	-
MDV	14.35%	587559	23183	221	-	-	186	-	-
MH	0.00%	0	0	0	-	-	-	7206	2210
MHDT	0.00%	0	0	0	0	-	-	-	-
OBUS	0.00%	0	0	0	0	-	-	0	-
SBUS	0.00%	0	0	0	0	-	-	0	-
UBUS	0.00%	0						0	-
	100%	**4,094,162**	**120,453**	**366**	**-**	**-**	**1,852**	**114,993**	**21,490**

Montague Point Industrial Project

Operational Fuel

Op Year 2028
Region Santa Clara
Model EMFAC2021 v1.0.2

Vehicle Category	Total VMT Percentage by Veh Cat and Veh Technology					CVMT Fraction by Veh Cat and Veh Tech				EVMT Fraction by Veh Cat and Veh Tech	
	Gasoline	Diesel	Natural Gas	Electricity	Plug-in Hybrid	Gasoline	Diesel	Natural Gas	Plug-in Hybrid	Electricity	Plug-in Hybrid
HHDT	0.01%	92.25%	5.19%	2.55%	-	1	1	1	-	1	-
LDA	85.13%	0.13%	-	11.11%	3.63%	1	1	-	0.46	1	0.54
LDT1	98.51%	0.00%	-	0.90%	0.58%	1	1	-	0.42	1	0.58
LDT2	97.04%	0.36%	-	1.15%	1.44%	1	1	-	0.44	1	0.56
LHDT1	60.20%	34.82%	-	4.98%	-	1	1	-	-	1	-
LHDT2	29.61%	65.52%	-	4.87%	-	1	1	-	-	1	-
MCY	100.00%	-	-	-	-	1	-	-	-	-	-
MDV	94.94%	1.34%	-	2.17%	1.56%	1	1	-	0.44	1	0.56
MH	67.36%	32.64%	-	-	-	1	1	-	-	-	-
MHDT	13.57%	80.96%	1.02%	4.44%	-	1	1	1	-	1	-
OBUS	20.36%	77.69%	0.86%	1.09%	-	1	1	1	-	1	-
SBUS	36.70%	58.25%	2.60%	2.45%	-	1	1	1	-	1	-
UBUS	8.18%	74.25%	12.27%	5.30%	-	1	1	1	-	1	-

Montague Point Industrial Project

Operational Fuel

Op Year 2028
Region Santa Clara
Model EMFAC2021 v1.0.2

Vehicle Category	Fuel Consumption for CVMT (gal/mi)				Electrical Consumption for EVMT (kw-hr/mi)	
	Gasoline	Diesel	Natural Gas	Plug-in Hybrid	Electricity	Plug-in Hybrid
HHDT	0.228	0.160	0.19189	-	1.844	-
LDA	0.030	0.022	-	0.0340	0.386	0.302
LDT1	0.037	0.037	-	0.0342	0.386	0.302
LDT2	0.037	0.028	-	0.0344	0.386	0.302
LHDT1	0.097	0.061	-	-	0.655	-
LHDT2	0.109	0.073	-	-	0.645	-
MCY	0.023	-	-	-	-	-
MDV	0.045	0.037	-	0.0348	0.386	0.302
MH	0.226	0.107	-	-	-	-
MHDT	0.200	0.116	0.13811	-	1.092	-
OBUS	0.199	0.122	0.12334	-	1.108	-
SBUS	0.099	0.121	0.17821	-	1.053	-
UBUS	0.099	0.109	0.16829	-	1.743	-

Montague Point Industrial Project

Operational Fuel Summary

Montague Point Industrial Project	
Total Annual Project VMT	7,541,368
County	Santa Clara
Operation Year	2028

Fuel Totals (gal for gasoline, diesel and CNG and kWhr for Electricity)

Gasoline	159,453
Diesel	436,000
Natural Gas	22,663
Electricity	300,476

VMT by Land Use	**VMT/year**
Warehouse,. Unrefrigerated	3,447,206
Office (associated with warehouse)	4,094,162

Fuel Consumption by Land Use	Gasoline	Diesel	CNG	Electricity
Warehouse,. Unrefrigerated	37,148	435,634	22,663	163,993
Office (associated with warehouse)	122,305	366	-	136,483