Appendix B

Air Quality Assessment

681 E. TRIMBLE ROAD & SEELY AVENUE MIXED-USE DEVELOPMENT AIR QUALITY ASSESSMENT

San José, California

July 15, 2022
Revised August 31, 2023

Prepared for:

Andrew Metzger
Project Manager II
Circlepoint
200 Webster Street, Suite 200
Oakland, CA 94607

Prepared by:

James A. Reyff
Casey Divine

ILLINGWORTH & RODKIN, INC.
Acoustics • Air Quality
429 E. Cotati Avenue
Cotati, CA 94931
(707) 794-0400

I&R Project: #21-182

Introduction

The purpose of this report is to address air quality and health risk impacts associated with the proposed 681 E. Trimble Road and Seely Avenue Mixed-Use Development project located in San José, California. The air quality impacts from this project would be associated with the demolition of the existing land uses, construction of the new buildings and infrastructure, and operation of the project. Air pollutants associated with construction and operation of the project were predicted using appropriate computer models. In addition, the potential project health risk impacts (construction and operation) and the impacts of existing toxic air contaminant (TAC) sources affecting the nearby and proposed sensitive receptors were evaluated. The analysis was conducted following guidance provided by the Bay Area Air Quality Management District (BAAQMD).[1]

Project Description

The existing 22.2-acre project site includes mostly vacant land and is only occupied by two residences, a fruit stand, and agricultural land. The project proposes to demolish the existing land uses to construct 1,470 residential units, 56,500 square-feet (sf) of retail space, a 2.5-acre public park, associate development roadways, and a 0.1-acre domestic water well site for San Jose Municipal Water. The development would include a mix of 154 three-story townhomes, three seven- to eight-story market-rate mixed-use buildings (Buildings 1-3) with 380 residential units and 5,431-sf of retail in Building 1, 386 residential units and 44,415-sf of retail in Building 2, and 378 residential units and 6,653-sf of retail in Building 3, and a six-story, 172-unit affordable housing building. At- or above-grade parking would be provided in Buildings 1-3 and the affordable housing building and attached two-car garage would be provided for the townhomes, for a total of 2,120 parking spaces.

Updates to Project

Several changes to the proposed Project have occurred since the original air quality analysis was completed. These changes included a slight increase in residential units, a substantial decrease in retail square footage, Buildings 1, 2, and 3 would now be constructed in the order Buildings 2, 1, and 3, and the new on-site water well would require a 500-kilowatt diesel-powered generator for emergency operations.

The land use changes and construction building phasing would not change construction assumptions such that emissions would be greater. Compared to the original plan that was analyzed for construction impacts, the total land use square-footage would overall decrease and the planned construction activities would occur in different years. However, the total construction equipment quantities and usage would be the same, such that impacts and potential mitigation would remain the same. Therefore, the construction analyses in this study were not updated.

The operational modeling which utilized CalEEMod and EMFAC2021 was updated. The land use changes resulted in changes to traffic. In addition, the emergency generator for the water well would increase emissions based on testing and potential emergency operation.

[1] Bay Area Air Quality Management District, *CEQA Air Quality Guidelines*, May 2017.

Setting

The project is located in Santa Clara County, which is in the San Francisco Bay Area Air Basin. Ambient air quality standards have been established at both the State and federal level. The Bay Area meets all ambient air quality standards with the exception of ground-level ozone, respirable particulate matter (PM_{10}), and fine particulate matter ($PM_{2.5}$).

Air Pollutants of Concern

High ozone levels are caused by the cumulative emissions of reactive organic gases (ROG) and nitrogen oxides (NO_X). These precursor pollutants react under certain meteorological conditions to form high ozone levels. Controlling the emissions of these precursor pollutants is the focus of the Bay Area's attempts to reduce ozone levels. The highest ozone levels in the Bay Area occur in the eastern and southern inland valleys that are downwind of air pollutant sources. High ozone levels aggravate respiratory and cardiovascular diseases, reduced lung function, and increase coughing and chest discomfort.

Particulate matter is another problematic air pollutant of the Bay Area. Particulate matter is assessed and measured in terms of respirable particulate matter or particles that have a diameter of 10 micrometers or less (PM_{10}) and fine particulate matter where particles have a diameter of 2.5 micrometers or less ($PM_{2.5}$). Elevated concentrations of PM_{10} and $PM_{2.5}$ are the result of both region-wide (or cumulative) emissions and localized emissions. High particulate matter levels aggravate respiratory and cardiovascular diseases, reduce lung function, increase mortality (e.g., lung cancer), and result in reduced lung function growth in children.

Toxic Air Contaminants

Toxic air contaminants (TAC) are a broad class of compounds known to cause morbidity or mortality (usually because they cause cancer) and include, but are not limited to, the criteria air pollutants. TACs are found in ambient air, especially in urban areas, and are caused by industry, agriculture, fuel combustion, and commercial operations (e.g., dry cleaners). TACs are typically found in low concentrations, even near their source (e.g., diesel particulate matter [DPM] near a freeway). Because chronic exposure can result in adverse health effects, TACs are regulated at the regional, State, and federal level.

Diesel exhaust is the predominant TAC in urban air and is estimated to represent about three-quarters of the cancer risk from TACs (based on the Bay Area average). According to the California Air Resources Board (CARB), diesel exhaust is a complex mixture of gases, vapors, and fine particles. This complexity makes the evaluation of health effects of diesel exhaust a complex scientific issue. Some of the chemicals in diesel exhaust, such as benzene and formaldehyde, have been previously identified as TACs by the CARB, and are listed as carcinogens either under the State's Proposition 65 or under the Federal Hazardous Air Pollutants programs. The most recent Office of Environmental Health Hazard Assessment (OEHHA) risk assessment guidelines were published in February of 2015.[2] See *Attachment 1* for a detailed

[2] OEHHA, 2015. *Air Toxics Hot Spots Program Risk Assessment Guidelines, The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*. Office of Environmental Health Hazard Assessment. February.

description of the health risk modeling methodology used in this assessment.

Sensitive Receptors

There are groups of people more affected by air pollution than others. CARB has identified the following persons who are most likely to be affected by air pollution: children under 16, the elderly over 65, athletes, and people with cardiovascular and chronic respiratory diseases. These groups are classified as sensitive receptors. Locations that may contain a high concentration of these sensitive population groups include residential areas, hospitals, daycare facilities, elder care facilities, elementary schools, and parks. For cancer risk assessments, children are the most sensitive receptors, since they are more susceptible to cancer causing TACs. Residential locations are assumed to include infants and small children. The closest sensitive receptors to the project site are the multi-family residences to the northwest of the project site. There are more sensitive receptors located at farther distances to the northwest. The project would introduce new sensitive receptors (i.e., residents) to the area.

Regulatory Setting

Federal Regulations

The United States Environmental Protection Agency (EPA) sets nationwide emission standards for mobile sources, which include on-road (highway) motor vehicles such trucks, buses, and automobiles, and non-road (off-road) vehicles and equipment used in construction, agricultural, industrial, and mining activities (such as bulldozers and loaders). The EPA also sets nationwide fuel standards. California also has the ability to set motor vehicle emission standards and standards for fuel used in California, as long as they are the same or more stringent than the federal standards.

In the past decade the EPA has established a number of emission standards for on- and non-road heavy-duty diesel engines used in trucks and other equipment. This was done in part because diesel engines are a significant source of NO_X and particulate matter (PM_{10} and $PM_{2.5}$) and because the EPA has identified DPM as a probable carcinogen. Implementation of the heavy-duty diesel on-road vehicle standards and the non-road diesel engine standards are estimated to reduce particulate matter and NO_X emissions from diesel engines up to 95 percent in 2030 when the heavy-duty vehicle fleet is completely replaced with newer heavy-duty vehicles that comply with these emission standards.[3]

In concert with the diesel engine emission standards, the EPA has also substantially reduced the amount of sulfur allowed in diesel fuels. The sulfur contained in diesel fuel is a significant contributor to the formation of particulate matter in diesel-fueled engine exhaust. The new standards reduced the amount of sulfur allowed by 97 percent for highway diesel fuel (from 500 parts per million by weight [ppmw] to 15 ppmw), and by 99 percent for off-highway diesel fuel (from about 3,000 ppmw to 15 ppmw). The low sulfur highway fuel (15 ppmw sulfur), also called ultra-low sulfur diesel (ULSD), is currently required for use by all vehicles in the U.S.

[3] USEPA, 2000. *Regulatory Announcement, Heavy-Duty Engine and Vehicle Standards and Highway Diesel Fuel Sulfur Control Requirements*. EPA420-F-00-057. December.

All of the above federal diesel engine and diesel fuel requirements have been adopted by California, in some cases with modifications making the requirements more stringent or the implementation dates sooner.

State Regulations

To address the issue of diesel emissions in the state, CARB developed the Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles.[4] In addition to requiring more stringent emission standards for new on-road and off-road mobile sources and stationary diesel-fueled engines to reduce particulate matter emissions by 90 percent, a significant component of the plan involves application of emission control strategies to existing diesel vehicles and equipment. Many of the measures of the Diesel Risk Reduction Plan have been approved and adopted, including the federal on-road and non-road diesel engine emission standards for new engines, as well as adoption of regulations for low sulfur fuel in California.

CARB has adopted and implemented a number of regulations for stationary and mobile sources to reduce emissions of DPM. Several of these regulatory programs affect medium and heavy-duty diesel trucks that represent the bulk of DPM emissions from California highways. CARB regulations require on-road diesel trucks to be retrofitted with particulate matter controls or replaced to meet 2010 or later engine standards that have much lower DPM and $PM_{2.5}$ emissions. This regulation will substantially reduce these emissions between 2013 and 2023. While new trucks and buses will meet strict federal standards, this measure is intended to accelerate the rate at which the fleet either turns over so there are more cleaner vehicles on the road or is retrofitted to meet similar standards. With this regulation, older, more polluting trucks would be removed from the roads sooner.

CARB has also adopted and implemented regulations to reduce DPM and NO_X emissions from in-use (existing) and new off-road heavy-duty diesel vehicles (e.g., loaders, tractors, bulldozers, backhoes, off-highway trucks, etc.). The regulations apply to diesel-powered off-road vehicles with engines 25 horsepower (hp) or greater. The regulations are intended to reduce particulate matter and NO_X exhaust emissions by requiring owners to turn over their fleet (replace older equipment with newer equipment) or retrofit existing equipment in order to achieve specified fleet-averaged emission rates. Implementation of this regulation, in conjunction with stringent federal off-road equipment engine emission limits for new vehicles, will significantly reduce emissions of DPM and NO_X.

Bay Area Air Quality Management District (BAAQMD)

BAAQMD has jurisdiction over an approximately 5,600-square mile area, commonly referred to as the San Francisco Bay Area (Bay Area). The District's boundary encompasses the nine San Francisco Bay Area counties, including Alameda County, Contra Costa County, Marin County, San Francisco County, San Mateo County, Santa Clara County, Napa County, southwestern Solano County, and southern Sonoma County.

[4] California Air Resources Board, 2000. Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles. October.

BAAQMD is the lead agency in developing plans to address attainment and maintenance of the National Ambient Air Quality Standards and California Ambient Air Quality Standards. The District also has permit authority over most types of stationary equipment utilized for the proposed project. The BAAQMD is responsible for permitting and inspection of stationary sources; enforcement of regulations, including setting fees, levying fines, and enforcement actions; and ensuring that public nuisances are minimized.

BAAQMD's Community Air Risk Evaluation (CARE) program was initiated in 2004 to evaluate and reduce health risks associated with exposures to outdoor TACs in the Bay Area.[5] The program examines TAC emissions from point sources, area sources, and on-road and off-road mobile sources with an emphasis on diesel exhaust, which is a major contributor to airborne health risk in California. The CARE program is an on-going program that encourages community involvement and input. The technical analysis portion of the CARE program is being implemented in three phases that includes an assessment of the sources of TAC emissions, modeling and measurement programs to estimate concentrations of TAC, and an assessment of exposures and health risks. Throughout the program, information derived from the technical analyses will be used to focus emission reduction measures in areas with high TAC exposures and high density of sensitive populations. Risk reduction activities associated with the CARE program are focused on the most at-risk communities in the Bay Area. Overburdened communities are areas located (i) within a census tract identified by the California Communities Environmental Health Screening Tool (CalEnviroScreen), Version 4.0 implemented by OEHHA,[6] as having an overall CalEnviroScreen score at or above the 70th percentile, or (ii) within 1,000 feet of any such census tract.[7] The BAAQMD has identified six communities as impacted: Concord, Richmond/San Pablo, Western Alameda County, San José, Redwood City/East Palo Alto, and Eastern San Francisco. The project site is located in the San José CARE area but not within a BAAQMD overburdened area as identified by CalEnviroScreen as the Project site is scored at the 39th percentile.

The BAAQMD California Environmental Quality Act (*CEQA) Air Quality Guidelines*[8] were prepared to assist in the evaluation of air quality impacts of projects and plans proposed within the Bay Area. The guidelines provide recommended procedures for evaluating potential air impacts during the environmental review process consistent with CEQA requirements including thresholds of significance, mitigation measures, and background air quality information. They also include assessment methodologies for air toxics, odors, and greenhouse gas emissions. *Attachment 1* includes detailed health risk modeling methodology.

San José Envision 2040 General Plan

The San José Envision 2040 General Plan includes goals, policies, and actions to reduce exposure of the City's sensitive population to exposure of air pollution and toxic air contaminants or TACs. The following goals, policies, and actions are applicable to the proposed project and this assessment:

---

[5] See BAAQMD: https://www.baaqmd.gov/community-health/community-health-protection-program/community-air-risk-evaluation-care-program , accessed 2/18/2021.
[6] OEHHA, CalEnviroScreen 4.0, 2021. Web: https://oehha.ca.gov/calenviroscreen/report/calenviroscreen-40
[7] See BAAQMD: https://www.baaqmd.gov/~/media/dotgov/files/rules/reg-2-permits/2021-amendments/documents/20210722_01_appendixd_mapsofoverburdenedcommunities-pdf.pdf?la=en , accessed 10/1/2021.
[8] Bay Area Air Quality Management District, 2017. *CEQA Air Quality Guidelines*. May.

Applicable Goals – Air Pollutant Emission Reduction

Goal MS-10 Minimize emissions from new development.

Applicable Policies – Air Pollutant Emission Reduction

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

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.

MS-10.3 Promote the expansion and improvement of public transportation services and facilities, where appropriate, to both encourage energy conservation and reduce air pollution.

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.

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

MS-10.11 Enforce the City's wood-burning appliance ordinance to limit air pollutant emissions from residential and commercial buildings.

MS-10.13 As a part of City of San José Sustainable City efforts, educate the public about air polluting household consumer products and activities that generate air pollution. Increase public awareness about the alternative products and activities that reduce air pollutant emissions.

Applicable Goals – Toxic Air Contaminants

Goal MS-11 Minimize exposure of people to air pollution and toxic air contaminants such as ozone, carbon monoxide, lead, and particulate matter.

Applicable Policies – Toxic Air Contaminants

MS-11.2 For projects that emit toxic air contaminants, require project proponents to prepare health risk assessments in accordance with BAAQMD-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.

MS-11.4 Encourage the installation of appropriate air filtration at existing schools, residences, and other sensitive receptor uses adversely affected by pollution sources.

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

Actions – Toxic Air Contaminants

MS-11.6 Develop and adopt a comprehensive Community Risk Reduction Plan that includes: baseline inventory of toxic air contaminants (TACs) and particulate matter smaller than 2.5 microns (PM2.5), emissions from all sources, emissions reduction targets, and enforceable emission reduction strategies and performance measures. The Community Risk Reduction Plan will include enforcement and monitoring tools to ensure regular review of progress toward the emission reduction targets, progress reporting to the public and responsible agencies, and periodic updates of the plan, as appropriate

MS-11.7 Consult with BAAQMD to identify stationary and mobile TAC sources and determine the need for and requirements of a health risk assessment for proposed developments.

MS-11.8 For new projects that generate truck traffic, require signage which reminds drivers that the State truck idling law limits truck idling to five minutes.

Applicable Goals – Construction Air Emissions

Goal MS-13 Minimize air pollutant emissions during demolition and construction activities

Applicable Policies – Construction Air Emissions

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

Applicable Actions – Construction Air Emissions

MS-13.4 Adopt and periodically update dust, particulate, and exhaust control standard measures for demolition and grading activities to include on project plans as conditions of approval based upon construction mitigation measures in the BAAQMD CEQA Guidelines.

Significance Thresholds

In June 2010, BAAQMD adopted thresholds of significance to assist in the review of projects under CEQA and these significance thresholds were contained in the District's 2011 CEQA Air

Quality Guidelines. These thresholds were designed to establish the level at which BAAQMD believed air pollution emissions would cause significant environmental impacts under CEQA. The thresholds were challenged through a series of court challenges and were mostly upheld. BAAQMD updated the CEQA Air Quality Guidelines in 2017 to include the latest significance thresholds, which were used in this analysis and are summarized in Table 1. Impacts above the threshold are considered potentially significant.

Table 1. BAAQMD CEQA Significance Thresholds

Criteria Air Pollutant	Construction Thresholds	Operational Thresholds	
	Average Daily Emissions (lbs./day)	Average Daily Emissions (lbs./day)	Annual Average Emissions (tons/year)
ROG	54	54	10
NO_x	54	54	10
PM_{10}	82 (Exhaust)	82	15
$PM_{2.5}$	54 (Exhaust)	54	10
Local CO	Not Applicable	9.0 ppm (8-hour average) or 20.0 ppm (1-hour average)	
Fugitive Dust (PM_{10}/$PM_{2.5}$)	Construction Dust Ordinance or other Best Management Practices	None	
Health Risks and Hazards	**Single Sources Within 1,000-foot Zone of Influence**	**Combined Sources (Cumulative from all sources within 1000-foot zone of influence)**	
Excess Cancer Risk	10 per one million	100 per one million	
Hazard Index	1.0	10.0	
Incremental annual $PM_{2.5}$	0.3 µg/m^3	0.8 µg/m^3	
Notes: (1.) ROG = reactive organic gases, NOx = nitrogen oxides, PM_{10} = course particulate matter or particulates with an aerodynamic diameter of 10 micrometers (µm) or less, $PM_{2.5}$ = fine particulate matter or particulates with an aerodynamic diameter of 2.5µm or less. (2.) Zone of influence is 1,000 feet from facility boundaries of new sources or from new sensitive receptors.			

Source: Bay Area Air Quality Management District, 2017

AIR QUALITY IMPACTS AND MITIGATION MEASURES

Impact AIR-1: Conflict with or obstruct implementation of the applicable air quality plan?

BAAQMD is the regional agency responsible for overseeing compliance with State and Federal laws, regulations, and programs within the San Francisco Bay Area Air Basin (SFBAAB). BAAQMD, with assistance from the Association of Bay Area Governments (ABAG) and Metropolitan Transportation Commission (MTC), prepares and implements specific plans to meet the applicable laws, regulations, and programs. The most recent and comprehensive of which is the *Bay Area 2017 Clean Air Plan*.[9] The primary goals of the Clean Air Plan are to attain air quality standards, reduce population exposure and protect public health, and reduce GHG emissions and protect the climate. The BAAQMD has also developed CEQA guidelines to assist lead agencies in evaluating the significance of air quality and GHG impacts. In formulating compliance strategies, BAAQMD relies on planned land uses established by local general plans. Land use planning affects vehicle travel, which, in turn, affects region-wide emissions of air pollutants and GHGs.

The 2017 Clean Air Plan, adopted by BAAQMD in April 2017, includes control measures that are intended to reduce air pollutant emissions in the Bay Area either directly or indirectly. Plans must show consistency with the control measures listed within the Clean Air Plan. At the project-level, there are no consistency measures or thresholds. The proposed project would not conflict with the latest Clean Air planning efforts since 1) the project would be considered urban infill, 2) the project would be located near employment centers, 3) the project would be located near transit with regional connections.

Impact AIR-2: Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?

The Bay Area is considered a non-attainment area for ground-level ozone and $PM_{2.5}$ under both the Federal Clean Air Act and the California Clean Air Act. The area is also considered non-attainment for PM_{10} under the California Clean Air Act, but not the federal act. The area has attained both State and federal ambient air quality standards for carbon monoxide. As part of an effort to attain and maintain ambient air quality standards for ozone and PM_{10}, the BAAQMD has established thresholds of significance for these air pollutants and their precursors. These thresholds are for ozone precursor pollutants (ROG and NO_X), PM_{10}, and $PM_{2.5}$ and apply to both construction period and operational period impacts.

Construction Period Emissions

The California Emissions Estimator Model (CalEEMod) Version 2020.4.0 was used to estimate emissions from on-site construction activity, construction vehicle trips, and evaporative emissions. The project land use types and size, and anticipated construction schedule were input to CalEEMod. The CARB EMission FACtors 2021 (EMFAC2021) model was used to predict

[9] Bay Area Air Quality Management District (BAAQMD), 2017. *Final 2017 Clean Air Plan.*

emissions from construction traffic, which includes worker travel, vendor trucks, and haul trucks.[10] The CalEEMod model output along with construction inputs are included in *Attachment 2* and EMFAC2021 vehicle emissions modeling outputs are included in *Attachment 3*.

CalEEMod Inputs

Land Use Inputs

The proposed project would be constructed in six phases. Separate CalEEMod runs were conducted for each phase as each phase would construct new buildings and roadways over several years. The land uses for each construction phase were entered into CalEEMod as described in Table 2.

Table 2. Construction Land Uses Entered into CalEEMod

Project Land Uses	Size	Units	Square Feet	Acreage
Infrastructure (2024)				
Apartments Mid Rise	1,316	Dwelling Unit	1,998,854	22.2
Condo/Townhouse	154	Dwelling Unit	371,535	
Regional Shopping Center	56.50	1,000-sf	56,500	
City Park	2.50	Acres	108,900	
Building 1 (2024 – 2025)				
Apartments Mid Rise	380	Dwelling Unit	405,463	2.12
Regional Shopping Center	5.43	1,000-sf	5,431	
Enclosed Parking with Elevator	559	Parking Spaces	177,758	
Townhomes (2024 – 2027)				
Condo/Townhouse	154	Dwelling Unit	301,313	7.28
Enclosed Parking Structure	348	Parking Spaces	70,222	
Affordable Housing (2024 – 2025)				
Apartments Mid Rise	172	Dwelling Unit	136,000	1.24
Enclosed Parking with Elevator	86	Parking Spaces	33,405	
Building 2 (2024 – 2026)				
Apartments Mid Rise	386	Dwelling Unit	407,119	2.12
Regional Shopping Center	44.42	1,000-sf	44,415	
Enclosed Parking with Elevator	595	Parking Spaces	231,520	
Building 3 (2026 – 2027)				
Apartments Mid Rise	378	Dwelling Unit	414,015	2.12
Regional Shopping Center	6.65	1,000-sf	6,653	
Enclosed Parking with Elevator	532	Parking Spaces	193,575	

Construction Inputs

CalEEMod computes annual emissions for construction that are based on the project type, size, and acreage. The model provides emission estimates for both on-site and off-site construction activities. On-site activities are primarily made up of construction equipment emissions, while off-site activity includes worker, hauling, and vendor traffic. The construction build-out scenario, including equipment list and schedule, were based on project-specific construction information provided by the project applicant.

[10] See CARB's EMFAC2021 Emissions Inventory at https://arb.ca.gov/emfac/emissions-inventory

The CalEEMod construction equipment worksheet provided by the applicant included the schedule for each phase (included in *Attachment 2*). Within each phase, the quantity of equipment to be used along with the average hours per day and total number of workdays were provided. Since different equipment would have different estimates of the working days per phase, the hours per day for each phase was computed by dividing the total number of hours that the equipment would be used by the total number of days in that phase. The construction schedule assumed that the earliest possible start date would be February 2024 and would be built out over a period of approximately 4 years, or 1,251 construction workdays. The earliest year of full operation was assumed to be 2028.

Construction Traffic Emissions

Construction would produce traffic in the form of worker trips and truck traffic. The traffic-related emissions are based on worker and vendor trip estimates produced by CalEEMod and haul trips that were computed based on the estimate of demolition material to be exported, soil material imported and/or exported to the site, and the estimate of cement and asphalt truck trips. CalEEMod provides daily estimates of worker and vendor trips for each applicable phase. The total trips for those were computed by multiplying the daily trip rate by the number of days in that phase. Haul trips were estimated from the provided demolition and grading volumes by assuming each truck could carry 10 tons per load. The number of concrete and asphalt total round haul trips were provided for the project and converted to total one-way trips, assuming two trips per delivery.

The latest version of the CalEEMod model is based on the older version of the CARB EMFAC2017 motor vehicle emission factor model. This model has been superseded by the EMFAC2021 model; however, CalEEMod has not been updated to include EMFAC2021. The construction traffic information was combined with EMFAC2021 motor vehicle emissions factors. EMFAC2021 provides aggregate emission rates in grams per mile for each vehicle type. The vehicle mix for this study was based on CalEEMod defaults, where worker trips are assumed to be comprised of light-duty autos (EMFAC category LDA) and light duty trucks (EMFAC category LDT1 and LDT2). Vendor trips are comprised of delivery and large trucks (EMFAC category MHDT and HHDT) and haul trips, including cement trucks, are comprised of large trucks (EMFAC category HHDT). Travel distances are based on CalEEMod default lengths, which are 10.8 miles for worker travel, 7.3 miles for vendor trips and 20 miles for hauling (demolition material export and soil import/export). Since CalEEMod does not address cement or asphalt trucks, these were treated as vendor travel distances. Each trip was assumed to include an idle time of 5 minutes. Emissions associated with vehicle starts were also included. On-road emission rates from the years 2024-2027 for Santa Clara County were used. Table 3 provides the traffic inputs that were combined with the EMFAC2021 emission database to compute vehicle emissions.

Table 3. Construction Traffic Data Used for EMFAC2021 Model Runs

CalEEMod Run/Land Uses and Construction Phase	Trips by Trip Type			Notes
	Total Worker[1]	Total Vendor[1]	Total Haul[2]	
Vehicle mix[1]	50% LDA 25% LDT1 25% LDT2	50% MHDT 50% HHDT	100% HHDT	
Trip Length (miles)	10.8	7.3	20.0 (Demo/Soil) 7.3 (Cement/Asphalt)	CalEEMod default distance with 5-min truck idle time.
Infrastructure (2024)				
Demolition	120	-	106	8,000-sf existing building and 350 tons of pavement demolition. CalEEMod default worker trips.
Site Preparation	2,112	-	3,000	23,000-cy of export volume. 1,000-cy of import volume. CalEEMod default worker trips.
Trenching/Utilities	325	-	-	CalEEMod default worker trips.
Paving	660	-	1,560	6,500-cy asphalt hauling. CalEEMod default worker trips.
Building 1 (2024 – 2025)				
Site Preparation	210	-	-	CalEEMod default worker trips.
Trenching	168	-	-	CalEEMod default worker trips.
Building Construction	98,700	20,022	2,600	1,300 cement truck round trips. CalEEMod default worker and vendor trips.
Architectural Coating	11,970	-	-	CalEEMod default worker trips.
Paving	130	-	27	113-cy asphalt hauling. CalEEMod default worker trips.
Townhomes (2024 – 2027)				
Trenching/Utilities	490	-	-	CalEEMod default worker trips.
Paving	728	-	400	50 cement truck and 150 asphalt truck round trips. CalEEMod default worker trips.
Building Foundation	7,700	-	-	CalEEMod default worker trips.
Building Construction	102,200	20,440	600	300 cement truck round trips. CalEEMod default worker and vendor trips.
Architectural Coating	10,220	-	-	CalEEMod default worker trips.
Affordable Housing (2024 – 2025)				
Site Preparation	100	-	-	CalEEMod default worker trips.
Trenching	80	-	-	CalEEMod default worker trips.
Building Construction	26,910	4,680	400	200 cement truck round trips. CalEEMod default worker and vendor trips.
Architectural Coating	3,668	-	-	CalEEMod default worker trips.
Paving	150	-	-	CalEEMod default worker trips.
Building 2 (2024 – 2026)				
Site Preparation	210	-	-	CalEEMod default worker trips.
Trenching	168	-	-	CalEEMod default worker trips.
Building Construction	134,983	29,842	3,800	1,900 cement truck round trips. CalEEMod default worker and vendor trips.
Architectural Coating	16,926	-	-	CalEEMod default worker trips.

Paving	130	-	27	113-cy asphalt hauling. CalEEMod default worker trips.
Building 3 (2026 – 2027)				
Site Preparation	210	-	-	CalEEMod default worker trips.
Trenching	168	-	-	CalEEMod default worker trips.
Building Construction	100,392	20,586	3,400	1,700 cement truck round trips. CalEEMod default worker and vendor trips.
Architectural Coating	12,141	-	-	CalEEMod default worker trips.
Paving	100	-	27	113-cy asphalt hauling. CalEEMod default worker trips.
Notes: [1] Based on 2024-2027 EMFAC2021 light-duty vehicle fleet mix for Santa Clara County. [2] Includes demolition and grading trips estimated by CalEEMod based on amount of material to be removed. Cement and trips estimated based on data provided by the applicant.				

Summary of Computed Construction Period Emissions

Average daily emissions were annualized for each year of construction by dividing the annual construction emissions by the number of active workdays during that year. Table 4 shows the annualized average daily construction emissions of ROG, NO_X, PM_{10} exhaust, and $PM_{2.5}$ exhaust during construction of the project. As indicated in Table 4, predicted annualized project construction emissions would not exceed the BAAQMD significance thresholds during any year of construction.

Table 4. Construction Period Emissions

Year	ROG	NOx	PM_{10} Exhaust	$PM_{2.5}$ Exhaust
Construction Emissions Per Year (Tons)				
2024 (Infrastructure, Building 1, Townhomes, Affordable Housing, and Building 2)	0.39	2.84	0.14	0.10
2025 (Building 1, Townhomes, Affordable Housing, and Building 2)	4.50	3.56	0.20	0.14
2026 (Townhomes, Building 2, and Building 3)	5.54	2.26	0.13	0.09
2027 (Townhomes and Building 3)	3.32	1.14	0.06	0.05
Average Daily Construction Emissions Per Year (pounds/day)				
2024 (275 construction workdays)	2.83	20.65	1.04	0.76
2025 (365 construction workdays)	24.68	19.49	1.07	0.79
2026 (365 construction workdays)	30.37	12.37	0.72	0.50
2027 (246 construction workdays)	26.93	9.24	0.52	0.39
BAAQMD Thresholds (pounds per day)	*54* lbs./day	*54* lbs./day	*82* lbs./day	*54* lbs./day
Exceed Threshold?	No	No	No	No

Construction activities, particularly during site preparation and grading, would temporarily generate fugitive dust in the form of PM_{10} and $PM_{2.5}$. Sources of fugitive dust would include disturbed soils at the construction site and trucks carrying uncovered loads of soils. Unless properly controlled, vehicles leaving the site would deposit mud on local streets, which could be an additional source of airborne dust after it dries. The BAAQMD CEQA Air Quality Guidelines consider these impacts to be less than significant if best management practices are implemented to reduce these emissions and the project is less than screening criteria. *Mitigation Measure AQ-1 would implement BAAQMD-recommended standard best management practices*.

Mitigation Measure AQ-1: **Include measures to control dust and exhaust during construction.**

During any construction period ground disturbance, the applicant shall ensure that the project contractor implement measures to control dust and exhaust. Implementation of the measures recommended by BAAQMD and listed below would reduce the air quality impacts associated with grading and new construction to a less-than-significant level. Additional measures are identified to reduce construction equipment exhaust emissions. The contractor shall implement the following best management practices that are required of all projects:

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

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

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

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

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

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

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

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

Effectiveness of Mitigation Measure AQ-1

The measures above are consistent with BAAQMD-recommended basic control measures for reducing fugitive particulate matter that are contained in the BAAQMD CEQA Air Quality Guidelines.

Operational Period Emissions

Operational air emissions from the project would be generated primarily from autos driven by future residents, employees, customers, and vendors. Evaporative emissions from architectural coatings and maintenance products (classified as consumer products) are typical emissions from these types of uses. CalEEMod was used to estimate emissions from operation of the proposed project assuming full build-out.

CalEEMod Inputs

Land Uses

All project land uses from the updated project were combined and input to CalEEMod for the operational period modeling in the year 2028. Inputs are summarized in Table 5. The model output and information supporting any changes to the model are contained in *Attachment 2*.

Table 5. Operational Land Uses Entered into CalEEMod

Project Land Uses	Size	Units	Square Feet	Acreage
Apartments Mid Rise	1,321	Dwelling Units	1,368,958	22.2
Condo/Townhouse	154	Dwelling Unit	301,313	
Regional Shopping Center	20.20	1,000-sf	20,197	
City Park	2.50	Acres	108,900	
Enclosed Parking with Elevator	1,772	Parking Spaces	576,518	
Enclosed Parking Structure	348	Parking Spaces	70,222	

Model Year

Emissions associated with vehicle travel depend on the year of analysis because emission control technology requirements are phased-in over time. Therefore, the earlier the year analyzed in the model, the higher the emission rates utilized by CalEEMod. The earliest full year of operation would be 2028 if construction begins in 2024. Emissions associated with build-out later than 2028 would be lower.

Traffic Information

CalEEMod allows the user to enter specific vehicle trip generation rates. Therefore, the project-specific daily trip generation rate provided by the traffic consultant was entered into the model.[11] The proposed project would produce 5,664 new daily trips after a *Residential & Retail Internal Capture Reduction, Location-Based Vehicle Mode Share Reduction, Project-Specific Trip Reduction (i.e., includes effects of Project TDM measures),* and *Retail Pass-By External Trip Reduction.* The daily trip generation was calculated using the size of the project and the adjusted total vehicle trips. The Saturday and Sunday trip rates were adjusted by multiplying the ratio of the CalEEMod default rates for Saturday and Sunday trips to the default weekday rate with the project-specific daily weekday trip rate. The default trip lengths and trip types specified by

[11] Hexagon Transportation Consultants, Inc., *Seely Avenue Residential Mixed-Use Project (Preferred Alternative),* April 28, 2023.

CalEEMod were used.

EMFAC2021 Adjustment

The vehicle emission factors and fleet mix used in CalEEMod are based on EMFAC2017, which is an older CARB emission inventory for on road and off-road mobile sources. Since the release of CalEEMod Version 2020.4.0, new emission factors have been produced by CARB. EMFAC2021 became available for use in January 2021. It includes the latest data on California's car and truck fleets and travel activity. The CalEEMod vehicle emission factors and fleet mix were updated with the emission rates and fleet mix from EMFAC2021, which were adjusted with the CARB EMFAC off-model adjustment factors. On road emission rates from 2028 Santa Clara County were used (See *Attachment 3*). More details about the updates in emissions calculation methodologies and data are available in the EMFAC2021 Technical Support Document.[12]

Electric Vehicle Population

Adjustments to mobile emissions for ROG and NOx were made based on the recently adopted Advanced Clean Car II regulation (ACC II) that was adopted in November 2022.[13] This new regulation will increase the number of light-duty automobile and truck EVs on the road by setting zero-emission vehicle (ZEV) sales standards in California. ACC II will reduce emissions from light-duty vehicles starting in the year 2026. ZEV vehicles will make up a greater proportion of the vehicle fleet than currently reflected in the EMFAC2021 model. EV light duty auto and truck sales will make up 35 percent of sales in 2026, 43 percent in 2027 and 51 percent in 2028 when the project becomes operational. The light-duty vehicle portion of the fleet mix in Santa Clara County with ACC II was calculated and compared to the default assumptions in EMFAC2021. The mobile portion of the project emissions were reduced by 4% reduction for ROG emissions and a 2% reduction for NOx emissions.

Energy

CalEEMod defaults for energy use were used, which include the 2019 Title 24 Building Standards. GHG emissions modeling includes those indirect emissions from electricity consumption. The electricity produced emission rate was modified in CalEEMod. An emission factor of 178 pounds of CO_2 per megawatt of electricity produced was entered into CalEEMod, which is based on San Jose Clean Energy's 2020 emissions rate.[14] It should be noted that per Climate Smart San Jose and San Jose's Greenhouse Gas Reduction Strategy, SJCE's goal is provision of 100-percent carbon-free electricity prior to 2030.[15]

---

[12] See CARB 2021: https://ww2.arb.ca.gov/our-work/programs/mobile-source-emissions-inventory/road-documentation/msei-modeling-tools-emfac

[13] Advanced Clean Cars II, web: https://ww2.arb.ca.gov/our-work/programs/advanced-clean-cars-program/advanced-clean-cars-ii

[14] San Jose Clean Energy Website, Standard Greensource service. Web: https://sanjosecleanenergy.org/commercial-rates/

[15] City of San José, 2020. "2030 Greenhouse Gas Reduction Strategy", August. Web: https://www.sanjoseca.gov/home/showpublisheddocument/63667/637347412207870000

The City of San José passed an ordinance in December 2020 that prohibits the use of natural gas infrastructure in new residential, office, and most retail-type buildings.[16] This ordinance applies to any new construction starting August 1, 2021. Natural gas use for the residential land use was set to zero and assigned to electricity use in CalEEMod. Natural gas use was assumed for the retail use as a restaurant could occupy the space. Restaurants are allowed to use natural gas under the City's ordinance.

Wood-Burning Devices

CalEEMod default inputs assume new residential construction would include woodburning fireplaces and stoves. The project would not include wood-burning devices, as these devices are prohibited by BAAQMD Regulation 6, Rule 3.[17] Therefore, the number of woodstoves and woodburning fireplaces in CalEEMod were set to zero.

Consumer Products

The project's area sources for operational ROG emissions would include consumer products. These products include cleaning supplies, kitchen aerosols, cosmetics, toiletries, and other solvents. The default CalEEMod emission factor for these consumer products was updated to reflect more recent Santa Clara County conditions. Updated ROG emission rates were computed using the CalEEMod methodology that utilized 2020 county wide consumer product category emissions and total building square footages. The CARB 2030 emission inventory for consumer products under solvent evaporation (Consumer Products) were divided by total building square footage. The total building square footage, representative of year 2022, was obtained from the FEMA HAZUS-MH software. Adjustments of square footage for Project opening year conditions were adjusted using the change in populations obtained from the California Department of Finance. The updated consumer products ROG emission factor was computed to be 1.84 E^{-05} pounds per square foot per day and used for this analysis.

Project Generator

The project would include one emergency generator as part of a groundwater well located on Lot 3 in the southeast corner of the project site. The generator size has not been determined at this time. It is assumed to be smaller than 500 kilowatts (kW), since that was the size of a generator for a well approved for the Trimble and Agnews Municipal Groundwater Wells Project. The Agnews generator would support three wells, where this project's generator would support one well. Therefore, the Project was assumed to include a 500-kW standby emergency generator powered by a 670 horsepower (HP) diesel engine. The generator would be tested periodically and power the well in the event of a power failure. For modeling purposes, it was assumed that the generator would be operated for testing and maintenance purposes as well as non-testing purposes per BAAQMD's newest Guidelines. CARB and BAAQMD requirements limit these engine operations to 50 hours each per year for testing and maintenance, and new BAAQMD Guidelines

[16] City of San José, 2020. "Expand Natural Gas Ban", December. Web: https://www.sanjoseca.gov/Home/Components/News/News/2210/4699
[17] Bay Area Air Quality Management District, https://www.baaqmd.gov/~/media/dotgov/files/rules/regulation-6-rule-3/documents/20191120_r0603_final-pdf.pdf?la=en

recommend including 100 hours each year for non-testing and non-maintenance operations. During testing periods, the engine would typically be run for less than one hour. The engine would be required to meet CARB and EPA emission standards and consume commercially available California low-sulfur diesel fuel. Additionally, the generator would have to meet BAAQMD BACT requirements for IC Engine-Compression Ignition: Stationary Emergency, non-Agricultural, non-direct drive fire pump sources. The emissions from the operation of the generator were calculated using the CalEEMod model.

Other Inputs

Default model assumptions for emissions associated with solid waste generation and water/wastewater use were applied to the project. Water/wastewater use was changed to 100% aerobic conditions to represent wastewater treatment plant conditions. The project site would not send wastewater to septic tanks or facultative lagoons.

Existing Uses

The site currently consists of two existing residences, a fruit stand, and agricultural land. These uses produce low operational and traffic emissions which would not considerably offset emissions from the proposed project. In addition, no project-specific trip generation rates for the existing land uses were available for this assessment. Therefore, the emissions from the existing uses were not considered.

Summary of Computed Operational Emissions

Annual emissions were computed using CalEEMod and daily emissions were calculated assuming 365 days of operation per year. As shown in Table 6, unmitigated operational emissions would exceed the BAAQMD significance thresholds for ROG during operation of the project. Emissions of other air pollutants would be below the thresholds. However, with mitigation operational ROG emissions would be below the threshold. Details of the emissions modeling are included in *Attachment 2*.

Table 6. Operational Period Emissions

Scenario	ROG	NOx	PM_{10}	$PM_{2.5}$
Unmitigated 2028 Annual Operational Emissions (*tons/year*)	**10.00**	2.11	4.25	1.13
Mitigated 2028 Annual Operational Emissions (*tons/year*)	8.98	2.11	4.25	1.13
BAAQMD Thresholds (tons /year)	*10 tons*	*10 tons*	*15 tons*	*10 tons*
Exceed Threshold? Unmitigated	***Yes***	*No*	*No*	*No*
Mitigated	*No*	*No*	*No*	*No*
Unmitigated 2028 Daily Operational Emissions –(*lbs/day*)[1]	**54.82**	11.59	23.31	6.21
Mitigated 2028 Daily Operational Emissions – (*lbs/day*)[1]	49.22	11.59	23.31	6.21
BAAQMD Thresholds (pounds/day)	*54* lbs.	*54* lbs.	*82* lbs.	*54* lbs.
Exceed Threshold? Unmitigated	***Yes***	*No*	*No*	*No*
Mitigated	*No*	*No*	*No*	*No*
Notes: [1] Assumes 365-day operation.				

Mitigation Measure AQ-2: **Require use of low exterior VOC coatings for to reduce ROG emissions.**

The project shall use low volatile organic compound or VOC (i.e., ROG) coatings, that are below current BAAQMD requirements (i.e., Regulation 8, Rule 3: Architectural Coatings), for at least 90 percent of all residential and nonresidential interior paints and 80 percent of exterior paints. This includes all architectural coatings applied during both construction and reapplications throughout the project's operational lifetime. At least 90 percent and 80 percent of coatings applied for interior and exterior, respectively, must meet a "super-compliant"″ VOC standard of less than 10 grams of VOC per liter of paint. For reapplication of coatings during the project's operational lifetime, the Declaration of Covenants, Conditions, and Restrictions shall contain a stipulation for low VOC coatings to be used. Examples of "super-compliant" coatings are contained in the South Coast Air Quality Management District's website.[18]

Effectiveness of Mitigation AQ-2

During operation, the CalEEMod modeling found the implementation of MM AQ-2 would reduce total ROG emissions by 10 percent. Consumer product and mobile sources would make up a majority of the ROG emissions. Operational ROG emissions would no longer exceed the BAAQMD threshold of 54 pounds per day with mitigation.

Impact AIR-3: Expose sensitive receptors to substantial pollutant concentrations?

Project impacts related to increased health risk can occur either by introducing a new source of TACs with the potential to adversely affect existing sensitive receptors in the project vicinity or by significantly exacerbating existing cumulative TAC impacts. The project would introduce new sources of TACs during construction (i.e., on-site construction and truck hauling emissions) and operation (i.e., stationary and mobile sources).

Project construction activity would generate dust and equipment exhaust that would affect nearby sensitive receptors. The project would also include the installation of an emergency generators powered by a diesel engine and would generate some traffic consisting of mostly light-duty vehicles, which would produce TAC and air pollutant emissions.

Project impacts to existing sensitive receptors were addressed for temporary construction activities and long-term operational conditions. There are also several sources of existing TACs and localized air pollutants in the vicinity of the project. The impact of the existing sources of TAC was also assessed in terms of the cumulative risk which includes the project contribution; as well as the risk on the new sensitive receptors introduced by the project.

Health Risk Methodology for Construction and Operation

Health risk impacts were addressed by predicting increased cancer risk, the increase in annual $PM_{2.5}$ concentrations and computing the Hazard Index (HI) for non-cancer health risks. The risk impacts from the project are the combination of risks from construction and operation sources.

[18] SCAQMD: http://www.aqmd.gov/home/regulations/compliance/architectural-coatings/super-compliant-coatings

These sources include on-site construction activity, construction truck hauling, emergency generator operation, and increased traffic from the project. To evaluate the increased cancer risks from the project, a 30-year exposure period was used, per BAAQMD guidance,[19] with the sensitive receptors being exposed to both project construction and operation emissions during this timeframe.

The project increased cancer risk is computed by summing the project construction cancer risk and operation cancer risk contributions. Unlike, the increased maximum cancer risk, the annual $PM_{2.5}$ concentration and HI values are not additive but based on the annual maximum values for the entirety of the project. The project maximally exposed individual (MEI) is identified as the sensitive receptor that is most impacted by the project's construction and operation.

The methodology for computing health risks impacts is contained in *Attachment 1*. This involved the calculation of TAC and $PM_{2.5}$ emissions, dispersion modeling of these emissions, and computations of cancer risk and non-cancer health effects.

Modeled Sensitive Receptors

Receptors for this assessment included locations where sensitive populations would be present for extended periods of time (i.e., chronic exposures). This includes the nearby existing residences to the northwest, as shown in Figure 1. Residential receptors are assumed to include all receptor groups (i.e., third trimester, infants, children, and adults) with almost continuous exposure to project emissions.

Health Risks from Project Construction

Construction equipment and associated heavy-duty truck traffic generates diesel exhaust, which is a known TAC. These exhaust air pollutant emissions would not be considered to contribute substantially to existing or projected air quality violations. Construction exhaust emissions may still pose health risks for sensitive receptors such as surrounding residents. The primary health risk impact issue associated with construction emissions are cancer risk and exposure to $PM_{2.5}$. Diesel exhaust poses both a potential health and nuisance impact to nearby receptors. A health risk assessment of the project construction activities was conducted that evaluated potential health effects to nearby sensitive receptors from construction emissions of DPM and $PM_{2.5}$.[20] This assessment included dispersion modeling to predict the offsite and onsite concentrations resulting from project construction, so that increased cancer risks and non-cancer health effects could be evaluated.

<u>Construction Emissions</u>

The CalEEMod and EMFAC2021 models provided total annual PM_{10} exhaust emissions (assumed to be DPM) for the off-road construction equipment and for exhaust emissions from on-road vehicles. Total emissions from all construction stages are reported in Table 7 and are on an annual basis. The annual on-road emissions result from haul truck travel during demolition and grading

---

[19] BAAQMD, 2016. *BAAQMD Air Toxics NSR Program Health Risk Assessment (HRA) Guidelines*. December 2016.

[20] DPM is identified by California as a toxic air contaminant due to the potential to cause cancer.

activities, worker travel, and vendor deliveries during construction. A trip length of one mile was used for vehicle travel while at or near the construction site to represent localized vehicle emissions from construction. The emissions from on-road vehicles traveling at or near the site were modeled to occur at the construction site. Fugitive $PM_{2.5}$ dust emissions were computed by CalEEMod for the overall construction period and are included as part of the total $PM_{2.5}$ emissions reported in Table 7.

Table 7. Annual Unmitigated Construction Emissions of DPM and Fugitive $PM_{2.5}$ (tons)

Contaminant	2024	2025	2026	2027
PM_{10} Exhaust (DPM)	0.0948	0.1289	0.0782	0.0412
$PM_{2.5}$ Fugitive	0.0184	0.0117	0.0096	0.0038

Dispersion Modeling

The U.S. EPA AERMOD dispersion model was used to predict DPM and $PM_{2.5}$ concentrations at sensitive receptors (residences) in the vicinity of the project construction area. The AERMOD dispersion model is a BAAQMD-recommended model for use in modeling analysis of these types of emission activities for CEQA projects.[21,22] Emission sources for the construction site were grouped into two categories: exhaust emissions of DPM and fugitive $PM_{2.5}$ dust emissions.

Construction Sources

The AERMOD modeling utilized 12 area sources to represent the on-site construction emissions from the different construction phases (see Figure 1), six areas for exhaust emissions of DPM and six areas for fugitive $PM_{2.5}$ dust emissions. To represent the construction equipment exhaust emissions, an area source emission release height of 20 feet (6 meters) was used for the area sources.[23] The release height incorporates both the physical release height from the construction equipment (i.e., the height of the exhaust pipe) and plume rise after it leaves the exhaust pipe. Plume rise is due to both the high temperature of the exhaust and the high velocity of the exhaust gas. It should be noted that when modeling an area source, plume rise is not calculated by the AERMOD dispersion model as it would do for a point source (exhaust stack). Therefore, the release height from an area source used to represent emissions from sources with plume rise, such as construction equipment, should be based on the height the exhaust plume is expected to achieve, not just the height of the top of the exhaust pipe. Emissions from vehicle travel on- and off-site were distributed among the exhaust emission area sources throughout the site. The locations of the area sources used for the modeling are identified in Figure 1.

For modeling fugitive $PM_{2.5}$ emissions, a near-ground level release height of 7 feet (2 meters) was used for the area source. Fugitive dust emissions at construction sites come from a variety of sources, including truck and equipment travel, grading activities, truck loading (with loaders) and

[21] BAAQMD, 2012, *Recommended Methods for Screening and Modeling Local Risks and Hazards, Version 3.0.* May. Web: https://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/risk-modeling-approach-may-2012.pdf?la=en

[22] BAAQMD, 2020, *BAAQMD Health Risk Assessment Modeling Protocol.* December. Web: https://www.baaqmd.gov/~/media/files/ab617-community-health/facility-risk-reduction/documents/baaqmd_hra_modeling_protocol-pdf.pdf?la=en

[23] California Air Resource Board, 2007. *Proposed Regulation for In-Use Off-Road Diesel Vehicles, Appendix D: Health Risk Methodology*. April. Web: https://ww3.arb.ca.gov/regact/2007/ordiesl07/ordiesl07.htm

unloading (rear or bottom dumping), loaders and excavators moving and transferring soil and other materials, etc. All of these activities result in fugitive dust emissions at various heights at the point(s) of generation. Once generated, the dust plume will tend to rise as it moves downwind across the site and exit the site at a higher elevation than when it was generated. For all these reasons, a 7-foot release height was used as the average release height across the construction site. Emissions from the construction equipment and on-road vehicle travel were distributed throughout the modeled area sources.

AERMOD Inputs and Meteorological Data

The modeling used a five-year meteorological data set (2013-2017) from the San José Airport prepared for use with the AERMOD model by the BAAQMD. Construction emissions were modeled as occurring during weekdays between 7:00 a.m. to 4:00 p.m. per the project applicant's construction schedule. Annual DPM and $PM_{2.5}$ concentrations from construction activities during the 2024-2027 period were calculated using the model. DPM and $PM_{2.5}$ concentrations were calculated at nearby sensitive receptor locations. Receptor heights of 5 feet (1.5 meters) and 15 feet (4.5 meters) were used to represent the breathing heights on the first and second floors of sensitive receptors in the residences near the site.

<u>Summary of Construction Health Risk Impacts</u>

The maximum increased cancer risks were calculated using the modeled TAC concentrations combined with the OEHHA guidance for age-sensitivity factors and exposure parameters as recommended by BAAQMD, as described in *Attachment 1*. Non-cancer health hazards and maximum $PM_{2.5}$ concentrations were also calculated and identified. Age-sensitivity factors reflect the greater sensitivity of infants and small children to cancer causing TACs. Third trimester, infant, child, and adult exposures were assumed to occur at all residences during the entire construction period.

The maximum modeled annual $PM_{2.5}$ concentration was calculated based on combined exhaust and fugitive concentrations. The maximum computed HI values was based on the ratio of the maximum DPM concentration modeled and the chronic inhalation DPM refence exposure level of 5 $\mu g/m^3$.

The maximum modeled annual DPM and $PM_{2.5}$ concentrations were identified at nearby sensitive receptors to find the MEI from construction activities. Results of this assessment indicated that the construction MEI for both cancer risk and $PM_{2.5}$ occurred at the same location and was located on the first floor (1.5 meters) of an apartment building on Epic Way northwest of the project sites. The location of the MEI and nearby sensitive receptors are shown in Figure 1. Table 8 lists the health risks from construction at the location of the construction MEI. *Attachment 4* to this report includes the emission calculations used for the construction modeling and the cancer risk calculations.

Health Risks from Project Operation – Stationary Sources and Traffic

Operation of the project would have long-term emissions from mobile sources (i.e., traffic) and stationary sources (i.e., generators). While these emissions would not be as intensive at or near the site as construction activity, they would contribute to long-term effects to sensitive receptors.

Project Traffic

An analysis was conducted of the impacts of TACs and $PM_{2.5}$ from local roadways increase in traffic due to the project. The project would generate 7,761 net daily trips.[24] A majority of these trips would be from light-duty, gasoline vehicles (i.e., passenger cars). To address the added health risks, the impact from this traffic was assessed using the CT-EMFAC 2017 emissions model, AERMOD dispersion model and cancer risk calculations following BAAQMD methodology described in *Attachment 1*. Figure 1 shows the modeled roadway segment.

Traffic Emissions

This analysis involved the development of DPM, organic TACs, and $PM_{2.5}$ roadway emissions in the project area using the Caltrans version of the EMFAC2017 emission model, known as CT-EMFAC2017.[25] CT-EMFAC2017 provides emission factors for mobile source criteria pollutants and TACs, including DPM. Emission processes modeled include running exhaust for DPM, $PM_{2.5}$ and total organic compounds (e.g., TOG), running evaporative losses for TOG, and tire and brake wear and fugitive road dust for $PM_{2.5}$. All $PM_{2.5}$ emissions from all vehicles were used, rather than just the $PM_{2.5}$ fraction from diesel powered vehicles, because all vehicle types (i.e., gasoline and diesel powered) produce $PM_{2.5}$. Additionally, $PM_{2.5}$ emissions from vehicle tire and brake wear and from re-entrained roadway dust were included in these emissions. DPM emissions are projected to decrease in the future and are reflected in the CT-EMFAC2017 emissions data. Inputs to the model include region (Santa Clara County), type of road (major/collector), truck percentage for non-state highways in Santa Clara County (3.51 percent),[26] traffic mix assigned by CT-EMFAC2017 for the county, year of analysis (2028 – project operational year), and season (annual).

Project operation was assumed to begin in 2028. To calculate the increased cancer risk from increased traffic volumes due to the project traffic, the health risks were adjusted for exposure duration to account for the MEIs being exposed to construction for the four years (2024-2027) of the 30-year period, followed by exposure to roadway traffic for the following 26 years (2028-2053). In order to estimate TAC and $PM_{2.5}$ emissions over the exposure period for calculating increased cancer risks to exiting residents from project traffic, the CT-EMFAC2017 model was used to develop vehicle emission factors for the year 2028. Year 2028 emissions were conservatively assumed as being representative of future conditions over the time period that

[24] Hexagon Transportation Consultants, Inc., *Seely Avenue Mixed-Use Development Draft Transportation Analysis,* May 3, 2022.
[25] Note that Caltrans has not yet updated their version of EMFAC to incorporate EMFAC2021 emission rates for traffic modeling studies.
[26] Bay Area Air Quality Management District, 2012, *Recommended Methods for Screening and Modeling Local Risks and Hazards, Version 3.0.* May. Web: https://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/risk-modeling-approach-may-2012.pdf?la=en

cancer risks are evaluated (26 years) from the project site traffic, since overall vehicle emissions, and in particular diesel truck emissions, will decrease in the future.

Traffic Dispersion Modeling Inputs

All project traffic emissions from on- and near-site travel were assumed to be along Seely Avenue. The project's trip generation provided by the traffic consultant of 7,761 net daily trips was used to assess project traffic impacts.[27] The average hourly traffic distributions for Santa Clara County roadways were developed using the EMFAC model,[28] which were then applied to the trip volumes to obtain estimated hourly traffic volumes and emissions for the roadways. For all hours of the day, the average speed of 25 mph on the roadway was assumed for all vehicles, 5 mph below the posted speed limit on Seely Avenue.

Dispersion Modeling

Operational traffic roadway travel emissions were modeled with the AERMOD model using a series volume sources along a line (line volume sources) to represent traffic emissions on the roadway segment where all of the project traffic would occur. Five years (2013-2017) of hourly meteorological data from the San José Airport prepared for use with the AERMOD model by the BAAQMD, were used for the modeling. TAC and $PM_{2.5}$ concentrations for 2028 were calculated by the model at the same sensitive receptor locations with the same receptor heights of 5 feet (1.5 meters) and 15 feet (4.5 meters) to represent the breathing heights on the first and second floors of the nearby residences.

Figure 1 shows the project roadway segment modeled and receptor locations used in the modeling. Table 8 lists the project roadway risks and hazards at the locations of the residential cancer risk and $PM_{2.5}$ MEIs. The emission rates and roadway calculations used in the project impact analysis are shown in *Attachment 4*.

Project Emergency Diesel Generator

As previously described, the project would include one emergency generator as part of a groundwater well located on Lot 3 in the southeast corner of the project site. The generator size has not been determined at this time. For modeling purposes, the Project was assumed to include a 500-kW standby emergency generator powered by a 670-HP diesel engine. The location of the modeled generator is shown in Figure 1.

Operation of the diesel generator would be a source of TAC emissions. The generator would be tested periodically and power the system in the event of a power failure. For modeling purposes, it was assumed that the generator would be operated for testing and maintenance purposes. CARB and BAAQMD requirements limit these engine operations to 50 hours each per year for testing and maintenance. During testing periods, the engine would typically be run for less than one hour. The engine would be required to meet CARB and EPA emission standards and consume

[27] Hexagon Transportation Consultants, Inc., *Seely Avenue Mixed-Use Development Draft Transportation Analysis,* May 3, 2022.
[28] The Burden output from EMFAC2007, a previous version of CARB's EMFAC model, was used for this since the current web-based version of EMFAC2021 does not include Burden type output with hour by hour traffic volume information.

commercially available California low-sulfur diesel fuel. Additionally, the generator would have to meet BAAQMD BACT requirements for IC Engine-Compression Ignition: Stationary Emergency, non-Agricultural, non-direct drive fire pump sources. The emissions from the operation of the generator were calculated using the CalEEMod model.

The diesel engine would be subject to CARB's Stationary Diesel Airborne Toxics Control Measure (ATCM) and require permits from the BAAQMD, since it will be equipped with an engine larger than 50-HP. BACT requirements would apply to the generator that would limit DPM emissions. As part of the BAAQMD permit requirements for toxics screening analysis, the engine emissions will have to meet Best Available Control Technology for Toxics (BACT) and pass the toxic risk screening level of less than ten in a million. The risk assessment would be prepared by BAAQMD. Depending on results, BAAQMD would set limits for DPM emissions (e.g., more restricted engine operation periods). Sources of air pollutant emissions complying with all applicable BAAQMD regulations generally will not be considered to have a significant air quality health risk impact.

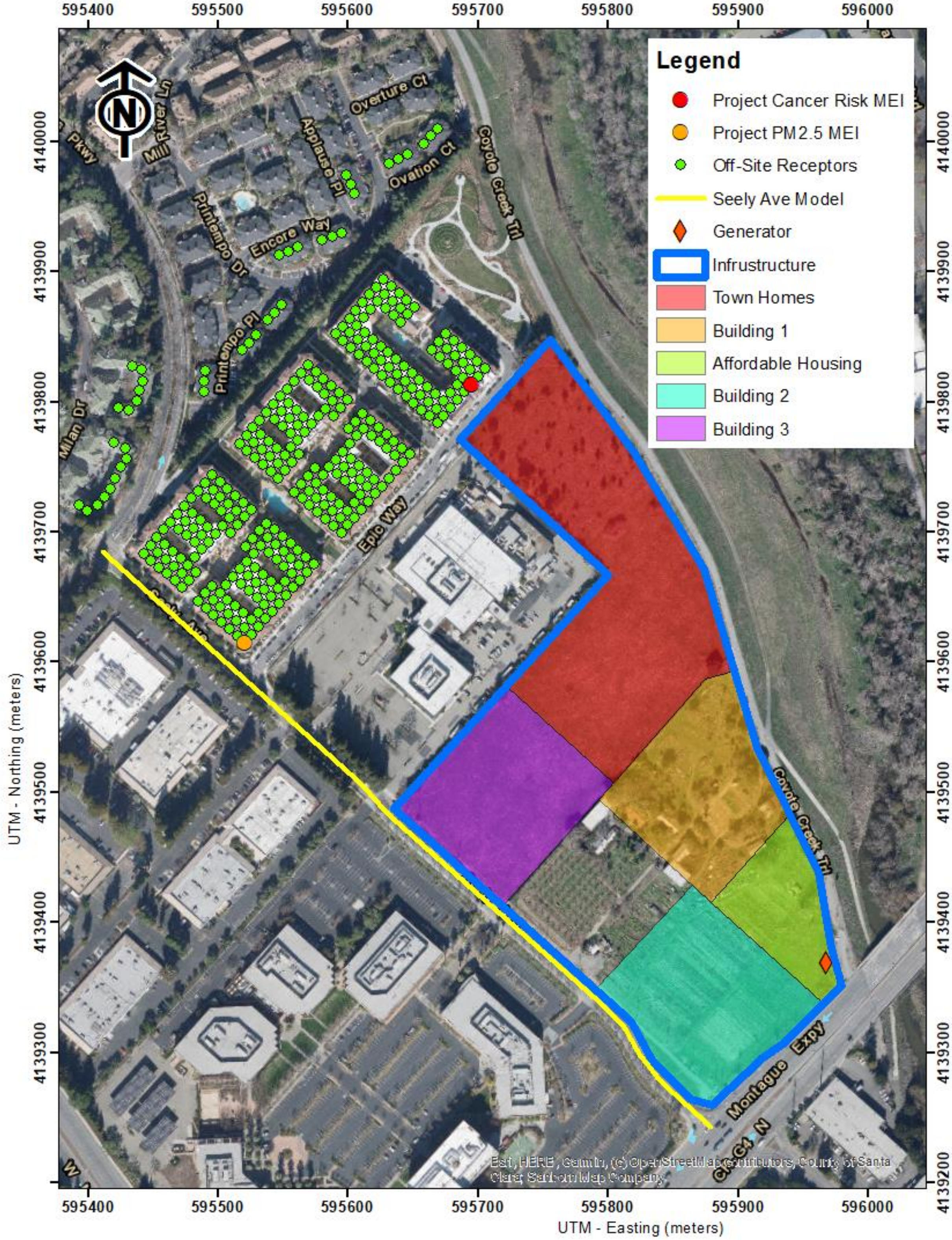
Dispersion Modeling

To estimate potential increased cancer risks and $PM_{2.5}$ impacts from operation of the emergency generator, the same AERMOD dispersion model was used to compute the maximum annual DPM concentration at off-site sensitive receptors (i.e., nearby residences). Emissions of DPM were based on PM_{10} exhaust emissions predicted by CalEEMod for operation of the project generator. The same receptors, breathing heights, and BAAQMD San José Airport meteorological data used in the construction dispersion modeling were used for the generator modeling. Stack parameters (stack height, exhaust flow rate, and exhaust gas temperature) for modeling the generator was based on BAAQMD default parameters for emergency generators.[29] Annual average DPM and $PM_{2.5}$ concentrations were modeled assuming that generator testing could occur at any time of the day (24 hours per day, 365 days per year).

Table 8 shows the generator risks and hazards at the locations of the construction cancer risk and $PM_{2.5}$ MEIs. The emission rates and generator calculations used in the project impact analysis are shown in *Attachment 4*.

[29] BAAQMD, Appendix E of the 2022 *BAAQMD CEQA Guidelines*, April 2023.

Figure 1. **Locations of Project Construction Sites, Project Traffic Model, Project Generator, Off-Site Sensitive Receptors, and Maximum TAC Locations (MEIs)**



Summary of Project-Related Health Risks at the Off-Site Project MEIs

The total risk impacts from a project are the combination of construction and operation sources. These sources include on-site construction activity and project operations from traffic and the emergency generator. The project cancer risk impact is computed by adding the construction cancer risk for an infant/child to the increased cancer risk for the project operational conditions for the project traffic and generator at the MEI over a 30-year period. The project cancer risk MEI is identified as the sensitive receptor that is most impacted by the project's construction and operation. The project annual $PM_{2.5}$ concentration impact is computed as the total combined $PM_{2.5}$ concentrations from construction and operation. The project $PM_{2.5}$ concentration MEI is identified as the sensitive receptor that is most impacted by the project's construction and operation.

For this project, the sensitive receptors identified in Figure 1 as the cancer risk MEI is the project cancer risk MEI. At this location, the MEI would be exposed to emissions from 4 years of construction and 26 years of project operational (includes project traffic and generator). The project annual $PM_{2.5}$ concentration was located at a different receptor than the construction MEI due to the larger annual $PM_{2.5}$ concentration from project traffic along Seely Avenue. The project $PM_{2.5}$ concentration MEI was location on the first floor (1.5 meters) of another apartment building at the corner of Seely Avenue and Epic Way, northwest of the project sites. The cancer risks from construction and operation of the project were summed together. Unlike, the increased maximum cancer risk, the annual $PM_{2.5}$ concentration and HI impacts are not additive but based on maximum annual values for any year over the entirety of the project.

Project risk impacts are shown in Table 8. The unmitigated maximum cancer risks, annual $PM_{2.5}$ concentration, and HI from construction and operation activities at the residential project MEI locations would not exceed the single-source significance thresholds. However, the project's cancer risk impact is just below to the threshold. With the implementation of *Mitigation Measure AQ-1 and AQ-3*, the project's cancer risk would be lowered to a level well below the single-source threshold. In addition, *Mitigation Measure AQ-1 and AQ-3* would be required to reduce the project's risk impacts to the future on-site project receptors, as discussed further in the report.

Table 8. Construction and Operation Risk Impacts – off-Site Receptors

Source	Cancer Risk** (per million)	Annual $PM_{2.5}$** ($\mu g/m^3$)	Hazard Index
Residential Sensitive Receptor			
Project Construction (Years 0-4)			
Unmitigated	9.58 (infant)	0.04	<0.01
Mitigated*	1.46 (infant)	<0.01	<0.01
Project Traffic, (Years 5-30)	0.03 (child)	0.14	<0.01
Project Generator, (Years 5-30)	0.08 (child)	<0.01	<0.01
Total/Maximum Project Impact (Years 0-30)			
Unmitigated	9.69 (infant)	0.14	<0.01
Mitigated*	1.57 (infant)	0.14	<0.01
BAAQMD Single-Source Threshold	***10***	***0.3***	***1.0***
Exceed Threshold?			
Unmitigated	*No*	*No*	*No*
Mitigated*	*No*	*No*	*No*

* Construction equipment with Tier 4 interim engines and BMPs as Mitigation Measures.

** Maximum cancer risk and maximum $PM_{2.5}$ concentration occur at different receptors.

Cumulative Health Risks of all TAC Sources at the Off-Site Project MEI

Health risk assessments typically look at all substantial sources of TACs that can affect sensitive receptors that are located within 1,000 feet of a project site (i.e., influence area). These sources include rail lines, freeways or highways, busy surface streets, and stationary sources identified by BAAQMD.

A review of the project area based on provided traffic information indicated that traffic on Montague Expressway, River Oaks Parkway, and McCarthy Boulevard would exceed 10,000 vehicles per day. Other nearby streets would have less than 10,000 vehicles per day. A small section of McCarthy Boulevard is just within the influence area, but given that it is on the boundary with the majority of the roadway not within the influence area, McCarthy Boulevard was not included in the cumulative assessment. A review of BAAQMD's stationary source map website identified eight stationary sources with the potential to affect the project MEI. Figure 2 shows the location of the sources affecting the MEI. Health risk impacts from these sources upon the MEI are reported in Table 9. Details of the modeling and health risk calculations are included in *Attachment 5.*

<u>Local Roadways – Montague Expressway and River Oaks Parkway</u>

A refined analysis of potential health impacts from vehicle traffic on Montague Expressway and River Oaks Parkway was conducted since the roadway was estimated to have average daily traffic (ADT) exceeding 10,000 vehicles. The refined analysis involved predicting emissions for the traffic volume and mix of vehicle types on the roadway near the project site and using an atmospheric dispersion model to predict exposure to TACs. The associated cancer risks are then computed based on the modeled exposures. *Attachment 1* includes a description of how health risk impacts, including cancer risk are computed.

Emission Rates

This analysis involved the development of DPM, organic TACs, and $PM_{2.5}$ emissions for traffic on the roadways using the Caltrans version of the EMFAC2017 emissions model, known as CT-EMFAC2017. CT-EMFAC2017 provides emission factors for mobile source criteria pollutants and TACs, including DPM. Emission processes modeled include running exhaust for DPM, $PM_{2.5}$ and total organic compounds (e.g., TOG), running evaporative losses for TOG, and tire and brake wear and fugitive road dust for $PM_{2.5}$. All $PM_{2.5}$ emissions from all vehicles were used, rather than just the $PM_{2.5}$ fraction from diesel powered vehicles, because all vehicle types (i.e., gasoline and diesel powered) produce $PM_{2.5}$. Additionally, $PM_{2.5}$ emissions from vehicle tire and brake wear and from re-entrained roadway dust were included. DPM emissions are projected to decrease in the future and are reflected in the CT-EMFAC2017 emissions data. Inputs to the model include region (i.e., Santa Clara County), type of road (i.e., major/collector), truck percentage for non-state highways in Santa Clara County (3.51 percent),[30] traffic mix assigned by CT-EMFAC2017 for the county, year of analysis (2024 – construction start year), and season (annual).

[30] BAAQMD, 2012, *Recommended Methods for Screening and Modeling Local Risks and Hazards, Version 3.0.* May. Web: https://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/risk-modeling-approach-may-2012.pdf?la=en

In order to estimate TAC and $PM_{2.5}$ emissions over the 30-year exposure period used for calculating the increased cancer risks for sensitive receptors at the project MEIs, the CT-EMFAC2017 model was used to develop vehicle emission factors for the year 2024 (project construction year). Emissions associated with vehicle travel depend on the year of analysis because emission control technology requirements are phased-in over time. Therefore, the earlier the year analyzed in the model, the higher the emission rates utilized by CT-EMFAC2017. Year 2024 emissions were conservatively assumed as being representative of future conditions over the time period that cancer risks are evaluated since, as discussed above, overall vehicle emissions, and in particular diesel truck emissions, will decrease in the future.

The ADT for Montague Expressway and River Oaks Parkway were based on AM and PM peak-hour background traffic volumes for the nearby roadway provided by the project's traffic data.[31] The calculated ADT on Montague Expressway would be 62,500 and on River Oaks Parkway the ADT would be 11,940. Average hourly traffic distributions for Santa Clara County roadways were developed using the EMFAC model,[32] which were then applied to the ADT volumes to obtain estimated hourly traffic volumes and emissions for the roadway. For all hours of the day average speeds of 40 mph on Montague Expressway and 30 mph on River Oaks Parkway were assumed for all vehicles, 5 mph below the posted speed limits of the roadways.

Dispersion Modeling

Dispersion modeling of TAC and $PM_{2.5}$ emissions was conducted using the EPA AERMOD air quality dispersion model, which is recommended by the BAAQMD for this type of analysis.[33] TAC and $PM_{2.5}$ emissions from traffic on Montague Expressway and River Oaks Parkway within 1,000 feet of the project site were evaluated. Vehicle traffic on the roadways was modeled using a series of volume sources along a line (line volume sources); with line segments used for opposing travel directions on each roadway. The same meteorological data and off-site sensitive receptor MEI locations from the previous project impact dispersion modeling were used in the roadway modeling. Other inputs to the model included road geometry, hourly traffic emissions, and receptor locations. Annual TAC and $PM_{2.5}$ concentrations for 2024 from traffic on the roadways were calculated using the model. Concentrations were calculated at the project MEIs with receptor heights of 5 feet (1.5 meters) to represent the breathing heights at the MEI receptors.

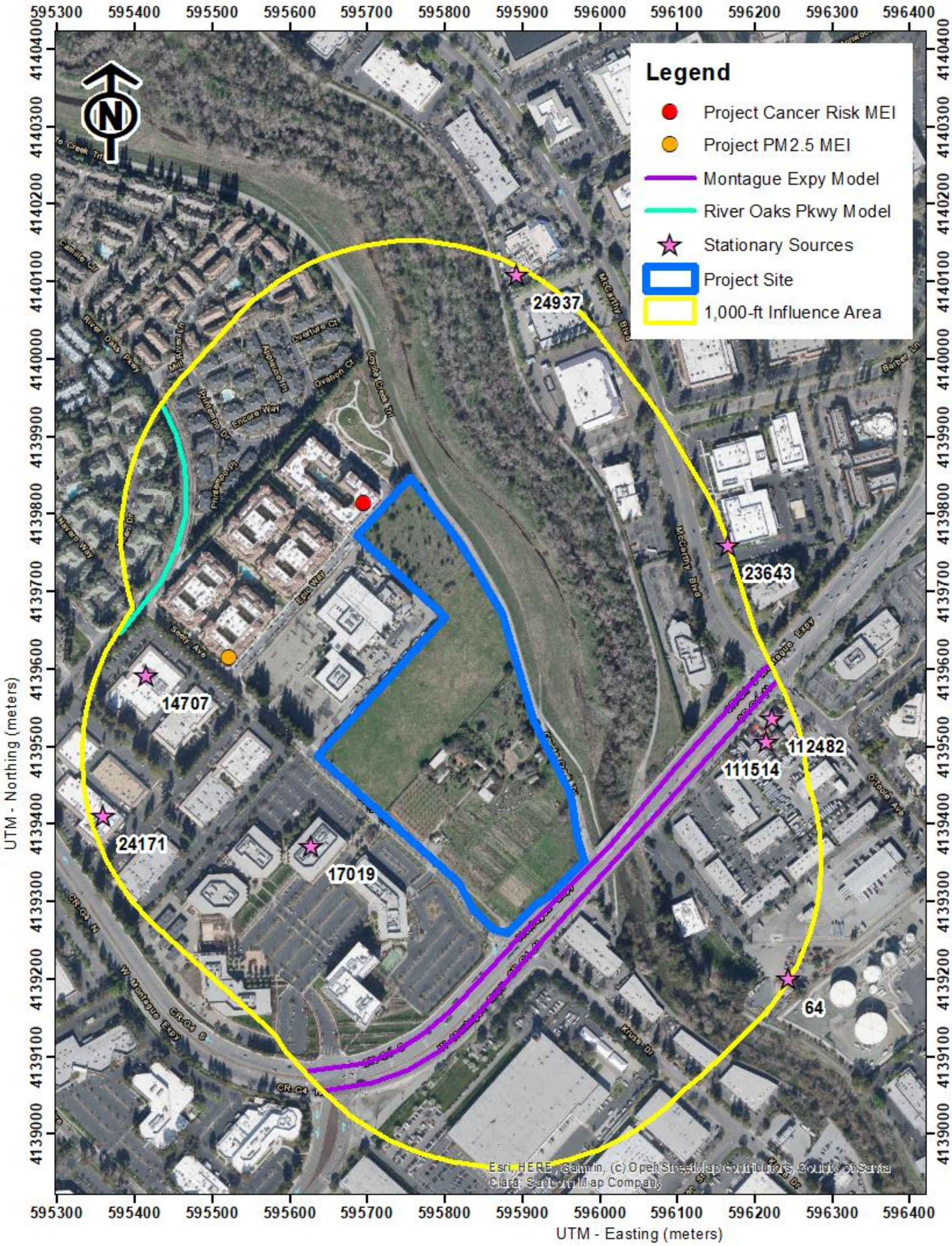
Computed Cancer and Non-Cancer Health Impacts

The cancer risk, $PM_{2.5}$ concentration, and HI impacts from Montague Expressway and River Oaks Parkway on the project MEIs are shown in Table 9. Figure 2 shows the roadway links used for the modeling and receptor locations where concentrations were calculated. Details of the emission calculations, dispersion modeling, and cancer risk calculations for the receptors with the maximum cancer risk from Montague Expressway and River Oaks Parkway traffic are provided in *Attachment 5.*

---

[31] Hexagon Transportation Consultants, Inc., *Seely Avenue Mixed-Use Development Draft Transportation Analysis,* May 3, 2022.
[32] The Burden output from EMFAC2007, a previous version of CARB's EMFAC model, was used for this since the current web-based version of EMFAC2014 does not include Burden type output with hour by hour traffic volume information.
[33] BAAQMD. *Recommended Methods for Screening and Modeling Local Risks and Hazards*. May 2012

Figure 2. Project Site and Nearby TAC and $PM_{2.5}$ Sources



Stationary Sources

Permitted stationary sources of air pollution near the project site were identified using BAAQMD's *Permitted Stationary Sources 2018* GIS website,[34] which identifies the location of nearby stationary sources and their estimated risk and hazard impacts, including emissions and adjustments to account for new OEHHA guidance. Eight sources were identified using this tool with five sources being diesel generators, two sources being gas dispensing facilities, and one being a petroleum station. A Stationary Source Information Form (SSIF) containing the identified sources was prepared and submitted to BAAQMD. BAAQMD provided updated emissions data and risk values.[35]

The screening level risks and hazards provided by BAAQMD for the stationary sources were adjusted for distance using BAAQMD's *Distance Adjustment Multiplier Tool for Diesel Internal Combustion Engines, Gasoline Dispensing Facility, and Generic Equipment*. Health risk impacts from the stationary sources upon the MEIs are reported in Table 9.

Summary of Cumulative Risks at the Project MEIs

Table 9 reports both the project and cumulative health risk impacts at the sensitive receptors most affected by project construction and operation (i.e., the project MEIs). The project would not have an exceedance with respect to health risk caused by project construction and operation activities, since the unmitigated maximum cancer risk, annual $PM_{2.5}$ concentration, and HI do not exceed the BAAQMD single-source thresholds. However, the project's cancer risk impact is just below to the threshold. With the implementation of *Mitigation Measure AQ-1 and AQ-3*, the project's cancer risk would be lowered to a level well below the single-source threshold. In addition, *Mitigation Measure AQ-1 and AQ-3* would be required to reduce the project's risk impacts to the future on-site project receptors, as discussed further in the report. The combined cancer risk, annual $PM_{2.5}$ concentration, and HI would not exceed the cumulative thresholds.

[34] BAAQMD, https://baaqmd.maps.arcgis.com/apps/webappviewer/index.html?id=2387ae674013413f987b1071715daa65
[35] Correspondence with Matthew Hanson, Environmental Planner II, BAAQMD, December 16, 2021.

Table 9. Cumulative Health Risk Impacts at the Location of the Project MEIs

Source		Cancer Risk* (per million)	Annual $PM_{2.5}$ * ($\mu g/m^3$)	Hazard Index
Project Impacts				
Total/Maximum Project Impacts	Unmitigated Mitigated	9.69 (infant) 1.57 (infant)	0.14 0.14	<0.01 <0.01
BAAQMD Single-Source Threshold		***10***	***0.3***	***1.0***
Exceed Threshold?	Unmitigated Mitigated	*No* *No*	*No* *No*	*No* *No*
Cumulative Sources				
Montague Expressway, ADT 62,560		0.46	0.03	<0.01
River Oaks Parkway, ADT 11,940		0.15	0.16	<0.01
Equilon Enterprises LLC-San Jose Terminal (Facility ID #64, Petroleum Station), MEIs at +1,000/+1,000 feet.		1.15	-	0.01
Verizon Business - SQZPCA (Facility ID #14707, Generators), MEIs at +1,000/190 feet.		2.77	0.02	<0.01
Cadence Design Systems, Inc (Facility ID #17019, Generators), MEIs at +1,000/750 feet.		0.90	<0.01	<0.01
Cordis/Cardinal Health (Facility ID #23643, Generators), MEIs at +1,000/+1,000 feet.		0.06	-	-
Eugenus, Inc (Facility ID #24171, Generators), MEIs at +1,000/775 feet.		0.05	<0.01	<0.01
Measurement Specialties, Inc. (Facility ID #24937, Generators), MEIs at +1,000/+1,000 feet.		0.03	<0.01	<0.01
Montague Car Wash (Facility +1,000/+1,000 feet.		0.46	-	<0.01
Propel Fuels Inc. (Facility ID #112482, Gas Dispensing Facility), MEIs at +1,000/+1,000 feet.		0.02	-	<0.01
Combined Sources	Unmitigated Mitigated	15.74 7.62	<0.38 <0.38	<0.10 <0.10
BAAQMD Cumulative Source Threshold		***100***	***0.8***	***10.0***
Exceed Threshold?	Unmitigated Mitigated	*No* *No*	*No* *No*	*No* *No*

* Maximum cancer risk and maximum $PM_{2.5}$ concentration occur at different receptors.

Non-CEQA: On-Site Health Risk Assessment for TAC Sources - New Project Residences

The City's General Plan Policy MS-11.1 requires new residential development projects and projects categorized as sensitive receptors to incorporate effective mitigation into project designs to avoid significant risks to health and safety required when new residential are proposed near existing sources of TACs. BAAQMD's recommended thresholds for health risks and hazards, shown in Table 1, are used to evaluate on-site exposure.

In addition to evaluating health impact from project construction, a health risk assessment was completed to assess the impact that the phased construction emissions from the proposed project and the existing TAC sources would have on the new proposed sensitive receptors (residents) that the project would introduce. The same TAC sources identified above were used in this health risk assessment.[36] Figure 3 shows the on-site sensitive receptors in relation to the project's phased construction and nearby TAC sources. All on-site health risk results are listed in Table 10. *Attachment 5* includes the dispersion modeling and risk calculations for TAC source impacts upon the proposed on-site sensitive receptors.

<u>Project Phased Construction</u>

Project residents could occupy a building once it has completed construction. Therefore, it was assumed that Building 1 and the Affordable Housing building would have sensitive receptors during the construction of the Town Homes and Buildings 2 and 3, and Building 2 would be occupied while Building 3 is being constructed. The construction analysis for the project residents was conducted in the same manner as described above for the off-site cancer risk and $PM_{2.5}$ MEIs. Receptors were placed within each affected residential area and were spaced every 26 feet (8 meters). Project impacts were modeled at receptor heights used to represent the first and second residential levels of the respective buildings. Maximum increased cancer risks were calculated for the residents at the project site using the maximum modeled TAC concentrations. A 30-year exposure period was used in calculating cancer risks assuming the residents would include third trimester pregnancy and infants/children and were assumed to be in the new residential areas for 24 hours per day for 350 days per year. Maximum construction impacts would occur at the first-floor level of Building 1, with the on-site cancer risk and $PM_{2.5}$ MEIs at different receptor locations, as shown in Figure 3. The project construction health risk impacts at the project sites are shown in Table 10. Details of the on-site construction emission calculations, dispersion modeling, and cancer risk calculations are contained in *Attachment 5.*

<u>Project Generator</u>

Project residents would occupy the buildings once construction is completed. The generator supporting the groundwater would be intermittently operational and have localized impacts to the Project. The generator analysis for the project residents was conducted in the same manner as described above for the off-site MEIs. On-site receptors were placed within each affected

[36] We note that to the extent this analysis considers *existing* air quality issues in relation to the impact on *future residents* of the Project, it does so for informational purposes only pursuant to the judicial decisions in *CBIA v. BAAQMD* (2015) 62 Cal.4th 369, 386 and *Ballona Wetlands Land Trust v. City of Los Angeles* (2011) 201 Cal.App.4th 455, 473, which confirm that the impacts of the environment on a project are excluded from CEQA unless the project itself "exacerbates" such impacts.

residential area and were spaced every 26 feet (8 meters). Project impacts were modeled at receptor heights used to represent the first through third residential levels of the respective buildings. Maximum increased cancer risks were calculated in the same manner as described above for the on-site MEIs. Generator health risk impacts at the on-site construction MEIs are shown in Table 10. Details of the on-site generator emission calculations, dispersion modeling, and cancer risk calculations are contained in *Attachment 5.*

The maximum generator impacts on the project site occurred at a different location from the maximum on-site construction impact locations. The maximum risk occurred on the third residential level (13.0 meters) at the southern-most receptor in the affordable housing area closest to the generator, as shown in Figure 3. The maximum cancer risk impact from the generator that this location was 15.18 per million, the annual $PM_{2.5}$ concentration was 0.02 µg/m^3, and the HI was less than 0.01. The generator cancer risk impact exceeds the single-source significant threshold.

Impacts associated with the generator operation are based on assumptions that include the largest possible generator. A smaller size generator (in terms of kW or HP) would have lower impacts. For example, a 300-kW generator would result in less-than-significant cancer risks (i.e., cancer risk of 9 per million).

Local Roadways – Montague Expressway and River Oaks Parkway

The roadway analysis for the project residents was conducted in the same manner as described above for the off-site MEIs. Year 2024 emission factors were conservatively assumed as being representative of future conditions during project construction. Roadway ADTs of 62,560 and 11,940 were used for Montague Expressway and River Oaks Parkway, respectively. The portions of Montague Expressway and River Oaks Parkway included in the modeling are shown in Figure 3. Traffic impacts from these roadways were calculated at the on-site construction cancer risk and $PM_{2.5}$ MEIs. The roadway health risk impacts at the project sites are shown in Table 10. Details of the emission calculations, dispersion modeling, and cancer risk calculations are contained In *Attachment 5.*

Stationary Sources

The stationary source screening analysis for the new project sensitive receptors was conducted in the same manner as described above for the project MEIs. Table 10 shows the health risk assessment results from the stationary sources.

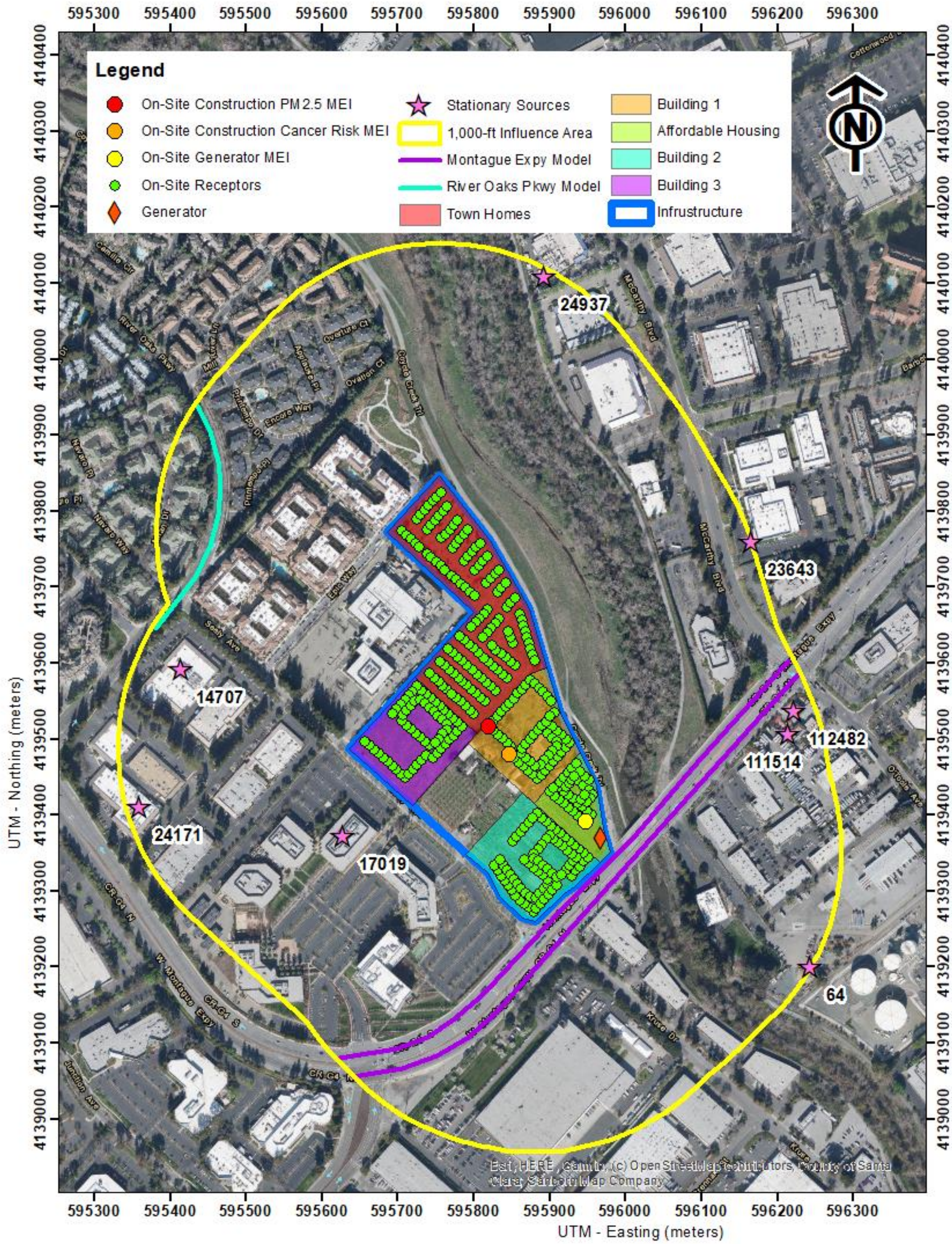
Summary of Cumulative Health Risks at the Project Site

Health risk impacts from both project construction scenarios and existing TAC sources upon the project sites are reported in Table 10. The risks from the singular TAC sources are compared against the BAAQMD single-source threshold. The risks from all the sources are then combined and compared against the BAAQMD cumulative-source threshold. As shown, the project construction sources' unmitigated cancer risk impacts exceed the single-source thresholds, but not the cumulative-source thresholds. Implementation of *Mitigation Measures AQ-1 and AQ-3* would reduce cancer risks below the single-source thresholds. The annual $PM_{2.5}$ concentration and HI from the project's unmitigated and mitigated impacts, as well as the impacts from the other nearby sources do not exceed the single-source thresholds. The combined maximum cancer risk, annual $PM_{2.5}$ concentrations, and HI from all sources would not exceed the cumulative thresholds.

Table 10. Cumulative Health Risk Impacts Upon the On-Site Sensitive Receptors

Source		Cancer Risk (per million)	Annual $PM_{2.5}$ ($\mu g/m^3$)	Hazard Index
Project Sources				
Project Construction Impacts	Unmitigated	**21.34**	0.08	0.01
	Mitigated	4.08	0.03	<0.01
Project Generator Impacts at On-Site MEI		0.48	<0.01	<0.01
Total/Maximum Project Impact	Unmitigated	**21.82**	0.08	0.01
	Mitigated	4.56	0.03	<0.01
Cumulative Sources				
Montague Expressway, ADT 62,560		0.65	0.08	<0.01
River Oaks Parkway, ADT 11,940		0.04	0.04	<0.01
Equilon Enterprises LLC-San Jose Terminal (Facility ID #64, Petroleum Station), Project Site at +1,000 feet.		1.15	-	0.01
Verizon Business - SQZPCA (Facility ID #14707, Generators), Project Site at 660 feet.		5.54	<0.01	0.01
Cadence Design Systems, Inc (Facility ID #17019, Generators), Project Site at 200 feet.		9.26	0.01	0.03
Cordis/Cardinal Health (Facility ID #23643, Generators), Project Site at +1,000 feet.		0.06	-	-
Eugenus, Inc (Facility ID #24171, Generators), Project Site at 870 feet.		0.06	<0.01	<0.01
Measurement Specialties, Inc. (Facility ID #24937, Generators), Project Site at 960 feet.		0.03	<0.01	<0.01
Montague Car Wash (Facility ID #111514, Gas Dispensing Facility), Project Site at 820 feet.		0.62	-	<0.01
Propel Fuels Inc. (Facility ID #112482, Gas Dispensing Facility), Project Site at 860 feet.		0.03	-	<0.01
BAAQMD Single-Source Threshold		***10***	***0.3***	***1.0***
Exceed Threshold?	Unmitigated	***Yes***	*No*	*No*
	Mitigated	*No*	*No*	*No*
Combined Sources	Unmitigated	39.26	<0.24	<0.12
	Mitigated	22.00	<0.19	<0.12
BAAQMD Cumulative Source Threshold		***100***	***0.8***	***10.0***
Exceed Threshold?	Unmitigated	*No*	*No*	*No*
	Mitigated	*No*	*No*	*No*

Figure 3. Locations of Project Site, On-Site Residential Receptors, Project Generator, Roadway Segments Evaluated, Nearby TAC and $PM_{2.5}$ Sources, and Maximum TAC Impacts



Mitigation Measure AQ-3: **Use construction equipment that has low diesel particulate matter exhaust emissions.**

Implement a feasible plan to reduce DPM emissions by 60 percent such that increased cancer risk from construction would be reduced below TAC significance level as follows:

1. All construction equipment larger than 25 horsepower used at the site for more than two continuous days or 20 hours total shall meet U.S. EPA Tier 4 emission standards for PM (PM_{10} and $PM_{2.5}$), if feasible, otherwise,

    a. If use of Tier 4 equipment is not available, alternatively use equipment that meets U.S. EPA emission standards for Tier 3 engines and include particulate matter emissions control equivalent to CARB Level 3 verifiable diesel emission control devices that altogether achieve a 60 percent reduction in particulate matter exhaust in comparison to uncontrolled equipment; alternatively (or in combination).

    b. Use of electrical or non-diesel fueled equipment.

2. Alternatively, the applicant may develop another construction operations plan demonstrating that the construction equipment used on-site would achieve a reduction in construction diesel particulate matter emissions by 60 percent or greater. Elements of the plan could include a combination of some of the following measures:
    - Implementation of No. 1 above to use Tier 4 or alternatively fueled equipment,
    - Installation of electric power lines during early construction phases to avoid use of diesel generators and compressors,
    - Use of electrically-powered equipment,
    - Forklifts and aerial lifts used for exterior and interior building construction shall be electric or propane/natural gas powered,
    - Change in construction build-out plans to lengthen phases, and
    - Implementation of different building techniques that result in less diesel equipment usage.

    Such a construction operations plan would be subject to review by an air quality expert and approved by the City prior to construction.

Effectiveness of Mitigation Measure AQ-1 and AQ-3

CalEEMod was used to compute emissions associated with this mitigation measure assuming that all equipment met U.S. EPA Tier 4 Interim engines standards were used along with BAAQMD best management practices for construction were included. With these implemented, the project's construction cancer risk levels (assuming infant exposure) would be reduced by 81 percent to 4.08 chances per million and the total project impact reduced to 4.56 per million, and would no longer exceed the single-source threshold.

Mitigation Measure AQ-4: **Use an emergency generator that has low diesel particulate matter exhaust emissions.**

Modeling of an assumed 500-kW groundwater well stand-by emergency generator showed that the maximum cancer risk impact was above the threshold of 10 per million at the affordable housing units. To avoid this impact, there are two options:

1. Use a generator that is 300 kw or less, or

2. Add controls to the generator such that it meets U.S. EPA Tier 4 standards for particulate matter emissions or is equipped with a CARB certified Level 3 diesel particulate filter that achieves 85% reduction in particulates.

Either of these options would reduce the cancer impact at the affordable housing units to below the single-source significant threshold.

Supporting Documentation

Attachment 1 is the methodology used to compute health risk impacts, including the methods to compute increased cancer risk from exposure to project emissions.

Attachment 2 includes the CalEEMod output for project construction and operational criteria air pollutant. Also included are any modeling assumptions.

Attachment 3 includes the EMFAC2021 emissions modeling. The input files for these calculations are voluminous and are available upon request in digital format.

Attachment 4 is the health risk assessment. This includes the summary of the dispersion modeling and the cancer risk calculations for construction and operation. The AERMOD dispersion modeling files for this assessment, which are quite voluminous, are available upon request and would be provided in digital format.

Attachment 5 includes the cumulative health risk calculations, modeling results, and health risk calculations from sources affecting the construction MEIs and project receptors.

Attachment 1: Health Risk Calculation Methodology

Health Risk Calculation Methodology

A health risk assessment (HRA) for exposure to Toxic Air Contaminates (TACs) requires the application of a risk characterization model to the results from the air dispersion model to estimate potential health risk at each sensitive receptor location. The State of California Office of Environmental Health Hazard Assessment (OEHHA) and California Air Resources Board (CARB) develop recommended methods for conducting health risk assessments. The most recent OEHHA risk assessment guidelines were published in February of 2015.[37] These guidelines incorporate substantial changes designed to provide for enhanced protection of children, as required by State law, compared to previous published risk assessment guidelines. CARB has provided additional guidance on implementing OEHHA's recommended methods.[38] This HRA used the 2015 OEHHA risk assessment guidelines and CARB guidance. The BAAQMD has adopted recommended procedures for applying the newest OEHHA guidelines as part of Regulation 2, Rule 5: New Source Review of Toxic Air Contaminants.[39] Exposure parameters from the OEHHA guidelines and the recent BAAQMD HRA Guidelines were used in this evaluation.

Cancer Risk

Potential increased cancer risk from inhalation of TACs is calculated based on the TAC concentration over the period of exposure, inhalation dose, the TAC cancer potency factor, and an age sensitivity factor to reflect the greater sensitivity of infants and children to cancer causing TACs. The inhalation dose depends on a person's breathing rate, exposure time and frequency and duration of exposure. These parameters vary depending on the age, or age range, of the persons being exposed and whether the exposure is considered to occur at a residential location or other sensitive receptor location.

The current OEHHA guidance recommends that cancer risk be calculated by age groups to account for different breathing rates and sensitivity to TACs. Specifically, they recommend evaluating risks for the third trimester of pregnancy to age zero, ages zero to less than two (infant exposure), ages two to less than 16 (child exposure), and ages 16 to 70 (adult exposure). Age sensitivity factors (ASFs) associated with the different types of exposure are an ASF of 10 for the third trimester and infant exposures, an ASF of 3 for a child exposure, and an ASF of 1 for an adult exposure. Also associated with each exposure type are different breathing rates, expressed as liters per kilogram of body weight per day (L/kg-day) or liters per kilogram of body weight per 8-hour period for the case of worker or school child exposures. As recommended by the BAAQMD for residential exposures, 95^{th} percentile breathing rates are used for the third trimester and infant exposures, and 80^{th} percentile breathing rates for child and adult exposures. For children at schools and daycare facilities, BAAQMD recommends using the 95^{th} percentile 8-hour breathing rates.

[37] OEHHA, 2015. *Air Toxics Hot Spots Program Risk Assessment Guidelines, The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*. Office of Environmental Health Hazard Assessment. February.
[38] CARB, 2015. *Risk Management Guidance for Stationary Sources of Air Toxics*. July 23.
[39] BAAQMD, 2016. *BAAQMD Air Toxics NSR Program Health Risk Assessment (HRA) Guidelines*. December 2016.

Additionally, CARB and the BAAQMD recommend the use of a residential exposure duration of 30 years for sources with long-term emissions (e.g., roadways). For workers, assumed to be adults, a 25-year exposure period is recommended by the BAAQMD. For school children a 9-year exposure period is recommended by the BAAQMD.

Under previous OEHHA and BAAQMD HRA guidance, residential receptors are assumed to be at their home 24 hours a day, or 100 percent of the time. In the 2015 Risk Assessment Guidance, OEHHA includes adjustments to exposure duration to account for the fraction of time at home (FAH), which can be less than 100 percent of the time, based on updated population and activity statistics. The FAH factors are age-specific and are: 0.85 for third trimester of pregnancy to less than 2 years old, 0.72 for ages 2 to less than 16 years, and 0.73 for ages 16 to 70 years. Use of the FAH factors is allowed by the BAAQMD if there are no schools in the project vicinity have a cancer risk of one in a million or greater assuming 100 percent exposure (FAH = 1.0).

Functionally, cancer risk is calculated using the following parameters and formulas:

Cancer Risk (per million) = $CPF \times Inhalation\ Dose \times ASF \times ED/AT \times FAH \times 10^{6}$

Where:

CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$

ASF = Age sensitivity factor for specified age group

ED = Exposure duration (years)

AT = Averaging time for lifetime cancer risk (years)

FAH = Fraction of time spent at home (unitless)

Inhalation Dose = $C_{air} \times DBR^{*} \times A \times (EF/365) \times 10^{-6}$

Where:

C_{air} = concentration in air ($\mu g/m^3$)

DBR = daily breathing rate (L/kg body weight-day)

8HrBR = 8-hour breathing rate (L/kg body weight-8 hours)

A = Inhalation absorption factor

EF = Exposure frequency (days/year)

10^{-6} = Conversion factor

* An 8-hour breathing rate (8HrBR) is used for worker and school child exposures.

The health risk parameters used in this evaluation are summarized as follows:

Parameter	Exposure Type → / Age Range →	Infant 3rd Trimester	Infant 0<2	Child 2 < 16	Adult 16 - 30
DPM Cancer Potency Factor $(mg/kg\text{-}day)^{-1}$		1.10E+00	1.10E+00	1.10E+00	1.10E+00
Daily Breathing Rate (L/kg-day) 80th Percentile Rate		273	758	572	261
Daily Breathing Rate (L/kg-day) 95th Percentile Rate		361	1,090	745	335
8-hour Breathing Rate (L/kg-8 hours) 95th Percentile Rate		-	1,200	520	240
Inhalation Absorption Factor		1	1	1	1
Averaging Time (years)		70	70	70	70
Exposure Duration (years)		0.25	2	14	14*
Exposure Frequency (days/year)		350	350	350	350*
Age Sensitivity Factor		10	10	3	1
Fraction of Time at Home (FAH)		0.85-1.0	0.85-1.0	0.72-1.0	0.73*

* For worker exposures (adult) the exposure duration and frequency are 25 years 250 days/year and FAH is not applicable.

Non-Cancer Hazards

Non-cancer health risk is usually determined by comparing the predicted level of exposure to a chemical to the level of exposure that is not expected to cause any adverse effects (reference exposure level), even to the most susceptible people. Potential non-cancer health hazards from TAC exposure are expressed in terms of a hazard index (HI), which is the ratio of the TAC concentration to a reference exposure level (REL). OEHHA has defined acceptable concentration levels for contaminants that pose non-cancer health hazards. TAC concentrations below the REL are not expected to cause adverse health impacts, even for sensitive individuals. The total HI is calculated as the sum of the HIs for each TAC evaluated and the total HI is compared to the BAAQMD significance thresholds to determine whether a significant non-cancer health impact from a project would occur.

Typically, for residential projects located near roadways with substantial TAC emissions, the primary TAC of concern with non-cancer health effects is diesel particulate matter (DPM). For DPM, the chronic inhalation REL is 5 micrograms per cubic meter ($\mu g/m^3$).

Annual $PM_{2.5}$ Concentrations

While not a TAC, fine particulate matter ($PM_{2.5}$) has been identified by the BAAQMD as a pollutant with potential non-cancer health effects that should be included when evaluating potential health impacts under the California Environmental Quality Act (CEQA). The thresholds of significance for $PM_{2.5}$ (project level and cumulative) are in terms of an increase in the annual average concentration. When considering $PM_{2.5}$ impacts, the contribution from all sources of $PM_{2.5}$ emissions should be included. For projects with potential impacts from nearby local roadways, the $PM_{2.5}$ impacts should include those from vehicle exhaust emissions, $PM_{2.5}$ generated from vehicle tire and brake wear, and fugitive emissions from re-suspended dust on the roads.

Attachment 2: CalEEMod Input Assumptions and Outputs

Air Quality/Noise Construction Information Data Request

Project Name: **681 E. Trimble Mixed-Use - INFRASTRUCTURE 1**

Complete ALL Portions in Yellow

See Equipment Type TAB for type, horsepower and load factor

Project Size	______ **Dwelling Units**	______ **22 total project acres disturbed**	**Pile Driving? N**
	______ **s.f. residential**		
	______ **s.f. retail**		**Project include on-site GENERATOR OR FIRE PUMP during project OPERATION? N**
	- **s.f. office/commercial**		**IF YES (if BOTH separate values) -->**
	- **s.f. other, specify:**		**Kilowatts/Horsepower:** ______
	______ **s.f. parking garage**	______ **spaces**	**Fuel Type:** ______
	______ **s.f. parking lot**	______ **spaces**	**Location in project (Plans Desired if Available):**
Construction Hours	**am to**	**pm**	

DO NOT MULTIPLY EQUIPMENT HOURS/DAY BY THE QUANTITY OF EQUIPMENT

Quantity	Description	HP	Load Factor	Hours/day	Total Work Days	Avg. Hours per day	HP Annual Hours	Comments
	Demolition	**Start Date:**	**2/1/2024**	**Total phase:**	**15**			**Overall Import/Export Volumes**
		End Date:	**2/22/2024**					
	Concrete/Industrial Saws	81	0.73			0	0	**Demolition Volume**
1	Excavators	158	0.38	8	4	2.1	1921	Square footage of buildings to be demolished
1	Rubber-Tired Dozers	247	0.4	8	4	2.1	3162	(*or* total tons to be hauled)
1	Tractors/Loaders/Backhoes	97	0.37	8	4	2.1	1148	**8,000** square feet *or*
	Other Equipment?							Hauling volume (tons)
								Any pavement demolished and hauled? **350 tons**
	Site Preparation	**Start Date:**	**2/1/2024**	**Total phase:**	**64**			
		End Date:	**5/1/2024**					**Soil Hauling Volume**
3	Graders	187	0.41	8	64	8.0	117765	Export volume = **23,000** cubic yards
4	Scrapers	367	0.48	8	21	2.6	118380	Import volume = **1,000** cubic yards
	Rubber Tired Dozers	247	0.4			-	0	
3	Tractors/Loaders/Backhoes	97	0.37	8	45	5.6	38761	
3	Off-Highway Trucks	402	0.38	8	45	5.6	164981	
	Other Equipment?						0	
	Trenching/Underground Utilities	**Start Date:**	**4/1/2024**	**Total phase:**	**65**			
		End Date:	**7/1/2024**					
2	Tractor/Loader/Backhoe	97	0.37	6	65	6.0	27994	
	Excavators	158	0.38			0.00	0	
	Other Equipment?							
	Building - Exterior	**Start Date:**		**Total phase:**	**0**			**Cement Trucks? 0 Total Round-Trips**
		End Date:						
	Cranes	231	0.29			#DIV/0!	0	Electric? Y (Otherwise assumed diesel)
	Forklifts	89	0.2			#DIV/0!	0	Liquid Propane (LPG)? N (Otherwise Assumed diesel)
	Generator Sets	84	0.74			#DIV/0!	0	Or temporary line power? Y
	Tractors/Loaders/Backhoes	97	0.37			#DIV/0!	0	
	Welders	46	0.45			#DIV/0!	0	
	Other Equipment?							
Building - Interior/Architectural Coating		**Start Date:**		**Total phase:**	**0**			
		End Date:						
	Air Compressors	78	0.48			#DIV/0!	0	
	Aerial Lift	62	0.31			#DIV/0!	0	
	Other Equipment?							
	Paving	**Start Date:**	**7/1/2024**	**Total phase:**	**66**			
		End Date:	**10/1/2024**					
	Cement and Mortar Mixers	9	0.56	0	0	0	0	
1	Pavers	130	0.42	8	20	2.4	8736	**Asphalt? 6,500cubic yards**
1	Paving Equipment	132	0.36	8	20	2.4	7603	
1	Rollers	80	0.38	8	20	2.4	4864	
1	Tractors/Loaders/Backhoes	97	0.37	8	20	2.4	5742	
	Other Equipment?							
	Additional Phases	**Start Date:**		**Total phase:**				
		Start Date:						
						#DIV/0!	0	
						#DIV/0!	0	
						#DIV/0!	0	
						#DIV/0!	0	
						#DIV/0!	0	

Equipment types listed in "Equipment Types" worksheet tab.

Equipment listed in this sheet is to provide an example of inputs

Complete one sheet for each project component

It is assumed that water trucks would be used during grading

Add or subtract phases and equipment, as appropriate

Modify horsepower or load factor, as appropriate

Air Quality/Noise Construction Information Data Request

Project Name: **681 E. Trimble Mixed-Use - BUILDING 1**

Complete ALL Portions in Yellow

See Equipment Type TAB for type, horsepower and load factor

Project Size	380 Dwelling Units	2.12 total project acres disturbed	
	405,463 s.f. residential		**Pile Driving? N**
	5,431 s.f. retail		
	- s.f. office/commercial		**Project include on-site GENERATOR OR FIRE PUMP during project OPERATION? N**
	- s.f. other, specify:		IF YES (if BOTH separate values) -->
	177,758 s.f. parking garage	559 spaces	Kilowatts/Horsepower: _________
	s.f. parking lot	spaces	Fuel Type: ____________
			Location in project (Plans Desired if Available):
Construction Hours	am to	pm	

DO NOT MULTIPLY EQUIPMENT HOURS/DAY BY THE QUANTITY OF EQUIPMENT

Quantity	Description	HP	Load Factor	Hours/day	Total Work Days	Avg. Hours per day	HP Annual Hours	Comments
	Demolition	Start Date:		Total phase:	0			**Overall Import/Export Volumes**
		End Date:						
	Concrete/Industrial Saws	81	0.73			#DIV/0!	0	**Demolition Volume**
	Excavators	158	0.38			#DIV/0!	0	Square footage of buildings to be demolished
	Rubber-Tired Dozers	247	0.4			#DIV/0!	0	(*or* total tons to be hauled)
	Tractors/Loaders/Backhoes	97	0.37			#DIV/0!	0	0 square feet *or*
	Other Equipment?							Hauling volume (tons)
								Any pavement demolished and hauled? 0 tons
	Site Preparation	Start Date:	4/1/2024	Total phase:	21			
		End Date:	5/1/2024					
1	Graders	187	0.41	8	4	1.5	2453	
	Rubber Tired Dozers	247	0.4			-	0	
1	Tractors/Loaders/Backhoes	97	0.37	8	4	1.5	1148	
2	*Bore / Drill Rig*	221	0.5	8	21	8.0	37128	
	Other Equipment?						0	
	Shoring / Excavation	Start Date:		Total phase:	0			
		End Date:						**Soil Hauling Volume**
	Excavators	158	0.38			#DIV/0!	0	Export volume = 0 cubic yards
	Graders	187	0.41			#DIV/0!	0	Import volume = 0 cubic yards
	Rubber Tired Dozers	247	0.4			#DIV/0!	0	
	Concrete/Industrial Saws	81	0.73			#DIV/0!	0	
	Tractors/Loaders/Backhoes	97	0.37			#DIV/0!	0	
	Bore / Drill Rig (tiebacks)	221	0.5			#DIV/0!	0	
	Trenching/Foundation	Start Date:	5/1/2024	Total phase:	21			
		End Date:	5/31/2024					
2	Tractor/Loader/Backhoe	97	0.37	8	18	6.7	10336	
1	Excavators	158	0.38	8	5	1.9	2402	
	Other Equipment?							
	Building - Exterior	Start Date:	5/31/2024	Total phase:	282			**Cement Trucks? 1,300 Total Round-Trips**
		End Date:	6/30/2025					
1	Cranes	231	0.29	8	250	7.1	133980	Electric? Y (Otherwise assumed diesel)
2	Forklifts	89	0.2	6	250	5.3	53400	Liquid Propane (LPG)? N (Otherwise Assumed diesel)
	Generator Sets	84	0.74	0	0	0.0	0	Or temporary line power? Y
	Tractors/Loaders/Backhoes	97	0.37	0	0	0.0	0	
1	Welders	46	0.45	8	50	1.4	8280	
	Other Equipment?							
Building - Interior/Architectural Coating		Start Date:	4/1/2025	Total phase:	171			
		End Date:	11/27/2025					
5	Air Compressors	78	0.48	8	150	7.0	224640	
1	Aerial Lift	62	0.31	8	60	2.8	9226	
	Other Equipment?							
	Paving	Start Date:	11/27/2025	Total phase:	10			
		End Date:	12/11/2025					
	Cement and Mortar Mixers	9	0.56	0	0	0	0	
1	Pavers	130	0.42	4	6	2.4	1310	**Asphalt? 113 cubic yards**
1	Paving Equipment	132	0.36	4	6	2.4	1140	
1	Rollers	80	0.38	4	6	2.4	730	
1	Tractors/Loaders/Backhoes	97	0.37	4	6	2.4	861	
	Other Equipment?							
	Additional Phases	Start Date:		Total phase:				
		Start Date:						
						#DIV/0!	0	
						#DIV/0!	0	
						#DIV/0!	0	
						#DIV/0!	0	
						#DIV/0!	0	

Equipment types listed in "Equipment Types" worksheet tab.

Equipment listed in this sheet is to provide an example of inputs

Complete one sheet for each project component

It is assumed that water trucks would be used during grading

Add or subtract phases and equipment, as appropriate

Modify horsepower or load factor, as appropriate

Air Quality/Noise Construction Information Data Request

Project Name: **681 E. Trimble Mixed-Use**

Complete ALL Portions in Yellow

See Equipment Type TAB for type, horsepower and load factor

Project Size 154 Dwelling Units 7.28 total project acres disturbed

301,313 s.f. residential

s.f. retail

s.f. office/commercial

s.f. other, specify:

70222 s.f. parking garage 348 spaces

s.f. parking lot spaces

Construction Hours am to pm

Pile Driving? Y/N? NO

Project include on-site GENERATOR OR FIRE PUMP during project OPERATION? Y/N? ____NO______

IF YES (if BOTH separate values) --> N/A

Kilowatts/Horsepower: ____N/A_____

Fuel Type: _____N/A_______

Location in project (Plans Desired if Available):

DO NOT MULTIPLY EQUIPMENT HOURS/DAY BY THE QUANTITY OF EQUIPMENT

Quantity	Description	HP	Load Factor	Hours/day	Total Work Days	Avg. Hours per day	HP Annual Hours	Comments
	Demolition	**Start Date:**	1/3/2022	**Total phase:**				**Overall Import/Export Volumes**
		End Date:						
	Concrete/Industrial Saws	81	0.73			#DIV/0!	#VALUE!	**Demolition Volume**
	Excavators	158	0.38			#DIV/0!	0	Square footage of buildings to be demolished
	Rubber-Tired Dozers	247	0.4			#DIV/0!	0	(*or* total tons to be hauled)
	Tractors/Loaders/Backhoes	97	0.37			#DIV/0!	0	_?_ square feet *or*
	Other Equipment?							_?_ Hauling volume (tons)
								Any pavement demolished and hauled? _?_ tons
	Site Preparation ???	**Start Date:**		**Total phase:**				
		End Date:						
	Graders	187	0.41			#DIV/0!	0	
Hanover	Rubber Tired Dozers	247	0.4			#DIV/0!	0	
	Tractors/Loaders/Backhoes	97	0.37			#DIV/0!	0	
	Other Equipment?							
	Grading / Excavation	**Start Date:**		**Total phase:**				
		End Date:						**Soil Hauling Volume**
	Excavators	158	0.38			#DIV/0!	0	Export volume = _?_ cubic yards?
	Graders	187	0.41			#DIV/0!	0	Import volume = _?_ cubic yards?
	Rubber Tired Dozers	247	0.4			#DIV/0!	0	
	Concrete/Industrial Saws	81	0.73			#DIV/0!	0	
	Tractors/Loaders/Backhoes	97	0.37			#DIV/0!	0	
	Other Equipment?							
	Trenching/Underground Utilities	**Start Date:**	*4/1/2024*	**Total phase:**	**98**			
		End Date:	*7/8/2024*					
1	Tractor/Loader/Backhoe	97	0.37	6	50	3.1	10767	
1	Excavators	158	0.38	4	20	0.8	4803	
	Other Equipment?							
	Fine Grade, Rock, Pave	**Start Date:**	*7/9/2024*	**Total phase:**	**56**			**Cement Trucks? _Y_ Total Round-Trips 50**
		End Date:	*9/3/2024*					
1	Tractor/Loader/Backhoe	97	0.37	4	10	0.7	1436	
1	Graders	187	0.41	8	8	1.1	4907	
1	Scraper	367	0.48	4	6	0.4	4227.84	
1	Concrete/Industrial Saws	81	0.73	2	5	0.2	591	
1	Pavers	247	0.4	8	1	0.1	790	**Asphalt? _YES_ __150__ round trips?**
1	Rollers	80	0.38	4	15	1.1	1824	
	Building Foundation	**Start Date:**	*9/4/2024*	**Total phase:**	**55**			**Cement Trucks? _?_ Total Round-Trips**
		End Date:	*10/13/2024*					
1	Tractor/Loader/Backhoe	2	0.37	8	39	5.7	231	
1	Excavators	2	0.38	8	39	5.7	237	
	Other Equipment?	NA						
	Building - Exterior	**Start Date:**	*9/25/2024*	**Total phase:**	**730**			**Cement Trucks? _Y_ Total Round-Trips300**
		End Date:	*9/25/2026*					
1	Cranes	1	0.29	4	26	0.1	30	Electric? (Y/N)___ Otherwise assumed diesel
1	Forklifts	2	0.2	8	730	8.0	2336	Liquid Propane (LPG)? (Y/N) ___ Otherwise Assumed diesel
1	Generator Sets	2	0.74	8	365	4.0	4322	Or temporary line power? (Y/N) _Y_
1	Tractors/Loaders/Backhoes	1	0.37	8	243	2.7	719	
	Welders	NA	0.45					
	Other Equipment?	NA						
	Building - Interior	**Start Date:**	*1/23/2026*	**Total phase:**	**365**			
		End Date:	*1/23/2027*					
1	Air Compressors	10	0.48	4	365	4.0	7008	
	Aerial Lift	NA	0.31					
	Other Equipment?							
	Additional Phases	**Start Date:**		**Total phase:**				
		Start Date:						
						#DIV/0!	0	
						#DIV/0!	0	
						#DIV/0!	0	
						#DIV/0!	0	
						#DIV/0!	0	

Equipment types listed in "Equipment Types" worksheet tab.

Equipment listed in this sheet is to provide an example of inputs

Complete one sheet for each project component

It is assumed that water trucks would be used during grading

Add or subtract phases and equipment, as appropriate

Modify horsepower or load factor, as appropriate

Air Quality/Noise Construction Information Data Request

Project Name: **681 E. Trimble - Affordable rental building**

Complete ALL Portions in Yellow

See Equipment Type TAB for type, horsepower and load factor

Project Size
172 Dwelling Units — 1.24 total project acres disturbed
136,000 s.f. residential
\- s.f. retail
\- s.f. office/commercial
\- s.f. other, specify:
33,405 s.f. parking garage — 86 spaces
s.f. parking lot — spaces

Construction Hours am to pm

Pile Driving? N

Project include on-site GENERATOR OR FIRE PUMP during project OPERATION? N
IF YES (if BOTH separate values) -->
Kilowatts/Horsepower: ________
Fuel Type: ___________
Location in project (Plans Desired if Available):

DO NOT MULTIPLY EQUIPMENT HOURS/DAY BY THE QUANTITY OF EQUIPMENT

Quantity	Description	HP	Load Factor	Hours/day	Total Work Days	Avg. Hours per day	HP Annual Hours	Comments
	Demolition	Start Date:		Total phase:	0			**Overall Import/Export Volumes**
		End Date:						
	Concrete/Industrial Saws	81	0.73			#DIV/0!	0	**Demolition Volume**
	Excavators	158	0.38			#DIV/0!	0	Square footage of buildings to be demolished
	Rubber-Tired Dozers	247	0.4			#DIV/0!	0	(*or* total tons to be hauled)
	Tractors/Loaders/Backhoes	97	0.37			#DIV/0!	0	0 square feet *or*
	Other Equipment?							Hauling volume (tons)
								Any pavement demolished and hauled? 0 tons
	Site Preparation	Start Date:	8/1/2024	Total phase:	10			
		End Date:	8/15/2024					
1	Graders	187	0.41	8	4	3.2	2453	
	Rubber Tired Dozers	247	0.4			-	0	
1	Tractors/Loaders/Backhoes	97	0.37	8	4	3.2	1148	
2	*Bore / Drill Rig*	221	0.5	8	10	8.0	17680	
	Other Equipment?						0	
	Shoring / Excavation	Start Date:		Total phase:	0			
		End Date:						**Soil Hauling Volume**
	Excavators	158	0.38			#DIV/0!	0	Export volume = 0 cubic yards
	Graders	187	0.41			#DIV/0!	0	Import volume = 0 cubic yards
	Rubber Tired Dozers	247	0.4			#DIV/0!	0	
	Concrete/Industrial Saws	81	0.73			#DIV/0!	0	
	Tractors/Loaders/Backhoes	97	0.37			#DIV/0!	0	
	Bore / Drill Rig (tiebacks)	221	0.5			#DIV/0!	0	
	Trenching/Foundation	Start Date:	8/15/2024	Total phase:	10			
		End Date:	8/29/2024					
2	Tractor/Loader/Backhoe	97	0.37	8	10	8.0	5742	
1	Excavators	158	0.38	8	5	4.0	2402	
	Other Equipment?							
	Building - Exterior	Start Date:	8/29/2024	Total phase:	195			**Cement Trucks? 200 Total Round-Trips**
		End Date:	5/29/2025					
1	Cranes	231	0.29	8	195	8.0	104504	Electric? Y (Otherwise assumed diesel)
2	Forklifts	89	0.2	6	195	6.0	41652	Liquid Propane (LPG)? N (Otherwise Assumed diesel)
	Generator Sets	84	0.74	0	0	0	0	Or temporary line power? Y
	Tractors/Loaders/Backhoes	97	0.37	0	0	0	0	
1	Welders	46	0.45	8	50	2.1	8280	
	Other Equipment?							
Building - Interior/Architectural Coating		Start Date:	4/29/2025	Total phase:	131			
		End Date:	10/29/2025					
5	Air Compressors	78	0.48	8	131	8.0	196186	
1	Aerial Lift	62	0.31	8	60	3.7	9226	
	Other Equipment?							
	Paving	Start Date:	10/8/2025	Total phase:	15			
		End Date:	10/29/2025					
	Cement and Mortar Mixers	9	0.56	0	0	0	0	
1	Pavers	130	0.42	4	6	1.6	1310	
1	Paving Equipment	132	0.36	4	6	1.6	1140	
1	Rollers	80	0.38	4	6	1.6	730	
1	Tractors/Loaders/Backhoes	97	0.37	4	6	1.6	861	
	Other Equipment?							
	Additional Phases	Start Date:		Total phase:				
		Start Date:						
						#DIV/0!	0	
						#DIV/0!	0	
						#DIV/0!	0	
						#DIV/0!	0	
						#DIV/0!	0	

Equipment types listed in "Equipment Types" worksheet tab.

Equipment listed in this sheet is to provide an example of inputs

Complete one sheet for each project component

It is assumed that water trucks would be used during grading

Add or subtract phases and equipment, as appropriate

Modify horsepower or load factor, as appropriate

Air Quality/Noise Construction Information Data Request

Project Name: 681 E. Trimble Mixed-Use - BUILDING 2

Complete ALL Portions in Yellow

See Equipment Type TAB for type, horsepower and load factor

Project Size	386 Dwelling Units	2.12 total project acres disturbed	
	407,119 s.f. residential		Pile Driving? N
	44,415 s.f. retail		Project include on-site GENERATOR OR FIRE PUMP during project OPERATION? N
	- s.f. office/commercial		IF YES (if BOTH separate values) -->
	- s.f. other, specify:		Kilowatts/Horsepower:
	231,520 s.f. parking garage	595 spaces	Fuel Type:
	s.f. parking lot	spaces	Location in project (Plans Desired if Available):
Construction Hours	am to	pm	

DO NOT MULTIPLY EQUIPMENT HOURS/DAY BY THE QUANTITY OF EQUIPMENT

Quantity	Description	HP	Load Factor	Hours/day	Total Work Days	Avg. Hours per day	HP Annual Hours	Comments
	Demolition	Start Date:		Total phase:	0			**Overall Import/Export Volumes**
		End Date:						
	Concrete/Industrial Saws	81	0.73			#DIV/0!	0	**Demolition Volume**
	Excavators	158	0.38			#DIV/0!	0	Square footage of buildings to be demolished
	Rubber-Tired Dozers	247	0.4			#DIV/0!	0	(*or* total tons to be hauled)
	Tractors/Loaders/Backhoes	97	0.37			#DIV/0!	0	0 square feet *or*
	Other Equipment?							Hauling volume (tons)
								Any pavement demolished and hauled? 0 tons
	Site Preparation	Start Date:	10/1/2024	Total phase:	21			
		End Date:	10/31/2024					
1	Graders	187	0.41	8	4	1.5	2453	
	Rubber Tired Dozers	247	0.4			-	0	
1	Tractors/Loaders/Backhoes	97	0.37	8	4	1.5	1148	
2	*Bore / Drill Rig*	221	0.5	8	21	8.0	37128	
	Other Equipment?						0	
	Shoring / Excavation	Start Date:		Total phase:	0			
		End Date:						**Soil Hauling Volume**
	Excavators	158	0.38			#DIV/0!	0	Export volume = 0 cubic yards
	Graders	187	0.41			#DIV/0!	0	Import volume = 0 cubic yards
	Rubber Tired Dozers	247	0.4			#DIV/0!	0	
	Concrete/Industrial Saws	81	0.73			#DIV/0!	0	
	Tractors/Loaders/Backhoes	97	0.37			#DIV/0!	0	
	Bore / Drill Rig (tiebacks)	221	0.5			#DIV/0!	0	
	Trenching/Foundation	Start Date:	10/31/2024	Total phase:	21			
		End Date:	11/30/2024					
2	Tractor/Loader/Backhoe	97	0.37	8	18	6.7	10336	
1	Excavators	158	0.38	8	5	1.9	2402	
	Other Equipment?							
	Building - Exterior	Start Date:	11/30/2024	Total phase:	347			**Cement Trucks? 1,900 Total Round-Trips**
		End Date:	3/31/2026					
1	Cranes	231	0.29	8	340	7.8	182213	Electric? Y (Otherwise assumed diesel)
2	Forklifts	89	0.2	6	340	5.9	72624	Liquid Propane (LPG)? N (Otherwise Assumed diesel)
	Generator Sets	84	0.74	0	0	0	0	Or temporary line power? Y
	Tractors/Loaders/Backhoes	97	0.37	0	0	0	0	
1	Welders	46	0.45	8	70	1.6	11592	
	Other Equipment?							
Building - Interior/Architectural Coating		Start Date:	12/31/2025	Total phase:	217			
		End Date:	10/31/2026					
5	Air Compressors	78	0.48	8	150	5.5	224640	
1	Aerial Lift	62	0.31	8	60	2.2	9226	
	Other Equipment?							
	Paving	Start Date:	10/31/2026	Total phase:	10			
		End Date:	11/14/2026					
	Cement and Mortar Mixers	9	0.56	0	0	-	0	
1	Pavers	130	0.42	4	6	2.4	1310	**Asphalt? 113 cubic yards**
1	Paving Equipment	132	0.36	4	6	2.4	1140	
1	Rollers	80	0.38	4	6	2.4	730	
1	Tractors/Loaders/Backhoes	97	0.37	4	6	2.4	861	
	Other Equipment?							
	Additional Phases	Start Date:		Total phase:				
		Start Date:						
						#DIV/0!	0	
						#DIV/0!	0	
						#DIV/0!	0	
						#DIV/0!	0	
						#DIV/0!	0	

Equipment types listed in "Equipment Types" worksheet tab.

Equipment listed in this sheet is to provide an example of inputs

It is assumed that water trucks would be used during grading

Add or subtract phases and equipment, as appropriate

Modify horsepower or load factor, as appropriate

Complete one sheet for each project component

Air Quality/Noise Construction Information Data Request

Project Name: 681 E. Trimble Mixed-Use - BUILDING 3

Complete ALL Portions in Yellow

See Equipment Type TAB for type, horsepower and load factor

Project Size	378	**Dwelling Units**	2.12	**total project acres disturbed**
	414,015	**s.f. residential**		
	6,653	**s.f. retail**		
	-	**s.f. office/commercial**		
	-	**s.f. other, specify:**		
	193,575	**s.f. parking garage**	532	**spaces**
		s.f. parking lot		**spaces**
Construction Hours		**am to**		**pm**

Pile Driving? N

Project include on-site GENERATOR OR FIRE PUMP during project OPERATION? N

IF YES (if BOTH separate values) -->

Kilowatts/Horsepower: ________

Fuel Type: ____________

Location in project (Plans Desired if Available):

DO NOT MULTIPLY EQUIPMENT HOURS/DAY BY THE QUANTITY OF EQUIPMENT

Quantity	Description	HP	Load Factor	Hours/day	Total Work Days	Avg. Hours per day	HP Annual Hours	Comments
	Demolition	**Start Date:**		**Total phase:**	0			**Overall Import/Export Volumes**
		End Date:						
	Concrete/Industrial Saws	81	0.73			#DIV/0!	0	**Demolition Volume**
	Excavators	158	0.38			#DIV/0!	0	Square footage of buildings to be demolished
	Rubber-Tired Dozers	247	0.4			#DIV/0!	0	(*or* total tons to be hauled)
	Tractors/Loaders/Backhoes	97	0.37			#DIV/0!	0	0 square feet *or*
	Other Equipment?							Hauling volume (tons)
								Any pavement demolished and hauled? 0 tons
	Site Preparation	**Start Date:**	4/1/2026	**Total phase:**	21			
		End Date:	5/1/2026					
1	Graders	187	0.41	8	4	1.5	2453	
	Rubber Tired Dozers	247	0.4			-	0	
1	Tractors/Loaders/Backhoes	97	0.37	8	4	1.5	1148	
2	*Bore / Drill Rig*	221	0.5	8	21	8.0	37128	
	Other Equipment?						0	
	Shoring / Excavation	**Start Date:**		**Total phase:**	0			
		End Date:						**Soil Hauling Volume**
	Excavators	158	0.38			#DIV/0!	0	Export volume = 0 cubic yards
	Graders	187	0.41			#DIV/0!	0	Import volume = 0 cubic yards
	Rubber Tired Dozers	247	0.4			#DIV/0!	0	
	Concrete/Industrial Saws	81	0.73			#DIV/0!	0	
	Tractors/Loaders/Backhoes	97	0.37			#DIV/0!	0	
	Bore / Drill Rig (tiebacks)	221	0.5			#DIV/0!	0	
	Trenching/Foundation	**Start Date:**	5/1/2026	**Total phase:**	21			
		End Date:	5/31/2026					
2	Tractor/Loader/Backhoe	97	0.37	8	18	6.7	10336	
1	Excavators	158	0.38	8	5	1.9	2402	
	Other Equipment?							
	Building - Exterior	**Start Date:**	5/31/2026	**Total phase:**	282			**Cement Trucks? 1,700 Total Round-Trips**
		End Date:	6/30/2027					
1	Cranes	231	0.29	8	250	7.1	133980	Electric? Y (Otherwise assumed diesel)
2	Forklifts	89	0.2	6	250	5.3	53400	Liquid Propane (LPG)? N (Otherwise Assumed diesel)
	Generator Sets	84	0.74	0	0	0	0	Or temporary line power? Y
	Tractors/Loaders/Backhoes	97	0.37	0	0	0	0	
1	Welders	46	0.45	8	50	1.4	8280	
	Other Equipment?							
Building - Interior/Architectural Coating		**Start Date:**	4/1/2027	**Total phase:**	171			
		End Date:	11/27/2027					
5	Air Compressors	78	0.48	8	150	7.0	224640	
1	Aerial Lift	62	0.31	8	60	2.8	9226	
	Other Equipment?							
	Paving	**Start Date:**	11/27/2027	**Total phase:**	10			
		End Date:	12/11/2027					
	Cement and Mortar Mixers	9	0.56	0	0	0	0	
1	Pavers	130	0.42	4	6	2.4	1310	**Asphalt? 113 cubic yards**
1	Paving Equipment	132	0.36	4	6	2.4	1140	
1	Rollers	80	0.38	4	6	2.4	730	
1	Tractors/Loaders/Backhoes	97	0.37	4	6	2.4	861	
	Other Equipment?							
	Additional Phases	**Start Date:**		**Total phase:**				
		Start Date:						
						#DIV/0!	0	
						#DIV/0!	0	
						#DIV/0!	0	
						#DIV/0!	0	
						#DIV/0!	0	

Equipment types listed in "Equipment Types" worksheet tab.

Equipment listed in this sheet is to provide an example of inputs

Complete one sheet for each project component

It is assumed that water trucks would be used during grading

Add or subtract phases and equipment, as appropriate

Modify horsepower or load factor, as appropriate

Unmitigated Total Construction Criteria Air Pollutants						
Unmitigated	ROG	NOX	PM10 Exhaust	PM2.5 Exhaust	**CO2e**	
Year	Tons				MT	
Construction Equipment						
2024	0.22	2.15	0.09	0.08	404.02	
2025	4.23	2.70	0.12	0.11	526.82	
2026	5.34	1.60	0.07	0.07	332.08	
2027	3.23	0.87	0.04	0.04	178.37	
EMFAC						
2024	0.17	0.69	0.05	0.02	743.18	
2025	0.28	0.86	0.08	0.03	1066.81	
2026	0.21	0.66	0.06	0.02	835.23	
2027	0.08	0.27	0.03	0.01	347.44	
Total Construction Emissions by Year						
2024	0.39	2.84	0.14	0.10	1147.20	
2025	4.50	3.56	0.20	0.14	1593.63	
2026	5.54	2.26	0.13	0.09	1167.31	
2027	3.32	1.14	0.06	0.05	525.81	
	Total Construction Emissions					
Tons	13.75	9.79	0.53	0.39	4433.94	
Pounds/Workdays	*Average Daily Emissions*				Workdays	
2024	2.83	20.65	1.04	0.76		**275**
2025	24.68	19.49	1.07	0.79		**365**
2026	30.37	12.37	0.72	0.50		**365**
2027	26.93	9.24	0.52	0.39		**246**
Threshold - lbs/day	**54.0**	**54.0**	**82.0**	**54.0**		
	Total Construction Emissions					
Pounds	84.82	61.75	3.36	2.43	0.00	
Average	21.98	15.65	0.85	0.62	0.00	1251
Threshold - lbs/day	**54.0**	**54.0**	**82.0**	**54.0**		

Infrastructure Unmitigated Construction Criteria Air Pollutants						
Unmitigated	ROG	NOX	PM10 Exhaust	PM2.5 Exhaust	**CO2e**	
Year	Tons				MT	
Construction Equipment						
2024	0.11	1.07	0.04	0.04	196.31	
2025						
2026						
2027						
EMFAC						
2024	0.01	0.19	0.01	0.01	139.20	
2025						
2026						
2027						
Total Construction Emissions by Year						
2024	0.11	1.26	0.05	0.04	335.51	
2025	0.00	0.00	0.00	0.00	0.00	
2026	0.00	0.00	0.00	0.00	0.00	
2027	0.00	0.00	0.00	0.00	0.00	
	Total Construction Emissions					
Tons	0.11	1.26	0.05	0.04	335.51	
Pounds/Workdays	*Average Daily Emissions*				Workdays	
2024	1.30	14.41	0.61	0.49		**175**
2025	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
2026	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
2027	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
Threshold - lbs/day	**54.0**	**54.0**	**82.0**	**54.0**		
	Total Construction Emissions					
Pounds	1.30	14.41	0.61	0.49	0.00	
Average	1.30	14.41	0.61	0.49	0.00	175.00
Threshold - lbs/day	**54.0**	**54.0**	**82.0**	**54.0**		

Building 1 Unmitigated Construction Criteria Air Pollutants						
Unmitigated	ROG	NOX	PM10 Exhaust	PM2.5 Exhaust	**CO2e**	
Year	Tons				MT	
Construction Equipment						
2024	0.04	0.43	0.02	0.02	76.35	
2025	3.03	0.86	0.04	0.04	177.17	
2026						
2027						
EMFAC						
2024	0.07	0.23	0.02	0.01	275.64	
2025	0.09	0.27	0.02	0.01	337.14	
2026						
2027						
Total Construction Emissions by Year						
2024	0.12	0.66	0.04	0.02	351.99	
2025	3.12	1.14	0.06	0.05	514.31	
2026	0.00	0.00	0.00	0.00	0.00	
2027	0.00	0.00	0.00	0.00	0.00	
	Total Construction Emissions					
Tons	3.24	1.80	0.10	0.07	866.31	
Pounds/Workdays	*Average Daily Emissions*				Workdays	
2024	1.19	6.69	0.39	0.25		**197**
2025	25.35	9.25	0.51	0.38		**246**
2026	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
2027	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
Threshold - lbs/day	**54.0**	**54.0**	**82.0**	**54.0**		
	Total Construction Emissions					
Pounds	26.54	15.94	0.89	0.63	0.00	
Average	14.62	8.11	0.45	0.32	0.00	443.14
Threshold - lbs/day	**54.0**	**54.0**	**82.0**	**54.0**		

TH Unmitigated Construction Criteria Air Pollutants						
Unmitigated	ROG	NOX	PM10 Exhaust	PM2.5 Exhaust	**CO2e**	
Year	Tons				MT	
Construction Equipment						
2024	0.03	0.24	0.01	0.01	49.82	
2025	0.05	0.46	0.02	0.02	94.51	
2026	2.06	0.47	0.02	0.02	98.63	
2027	0.13	0.01	0.0004	0.0004	1.87	
EMFAC						
2024	0.05	0.14	0.01	0.005	170.39	
2025	0.06	0.17	0.02	0.01	221.06	
2026	0.06	0.16	0.02	0.01	216.33	
2027	0.00	0.01	0.001	0.0004	12.75	
Total Construction Emissions by Year						
2024	0.07	0.37	0.02	0.02	220.20	
2025	0.11	0.63	0.04	0.03	315.57	
2026	2.12	0.63	0.04	0.03	314.95	
2027	0.13	0.02	0.00	0.00	14.63	
	Total Construction Emissions					
Tons	2.43	1.64	0.10	0.07	865.35	
Pounds/Workdays	*Average Daily Emissions*				Workdays	
2024	0.53	2.72	0.17	0.11		**275**
2025	0.60	3.43	0.20	0.14		**365**
2026	11.61	3.43	0.20	0.14		**365**
2027	12.11	1.59	0.12	0.07		**22**
Threshold - lbs/day	**54.0**	**54.0**	**82.0**	**54.0**		
	Total Construction Emissions					
Pounds	24.85	11.17	0.68	0.46	0.00	
Average	4.74	3.20	0.19	0.13	0.00	1027.00
Threshold - lbs/day	**54.0**	**54.0**	**82.0**	**54.0**		

Affordable Unmitigated Construction Criteria Air Pollutants						
Unmitigated	ROG	NOX	PM10 Exhaust	PM2.5 Exhaust	**CO2e**	
Year	Tons				MT	
Construction Equipment						
2024	0.03	0.28	0.01	0.01	48.05	
2025	1.07	0.78	0.03	0.03	158.52	
2026						
2027						
EMFAC						
2024	0.02	0.04	0.004	0.001	53.25	
2025	0.03	0.08	0.01	0.003	102.39	
2026						
2027						
Total Construction Emissions by Year						
2024	0.04	0.32	0.02	0.01	101.30	
2025	1.10	0.85	0.04	0.04	260.91	
2026	0.00	0.00	0.00	0.00	0.00	
2027	0.00	0.00	0.00	0.00	0.00	
	Total Construction Emissions					
Tons	1.14	1.17	0.06	0.05	362.21	
Pounds/Workdays	*Average Daily Emissions*				Workdays	
2024	0.80	5.85	0.29	0.23		**110**
2025	10.16	7.91	0.39	0.34		**216**
2026	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
2027	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
Threshold - lbs/day	**54.0**	**54.0**	**82.0**	**54.0**		
	Total Construction Emissions					
Pounds	10.97	13.76	0.68	0.57	0.00	
Average	7.01	7.22	0.35	0.30	0.00	325.29
Threshold - lbs/day	**54.0**	**54.0**	**82.0**	**54.0**		

Building 2 Unmitigated Construction Criteria Air Pollutants						
Unmitigated	ROG	NOX	PM10 Exhaust	PM2.5 Exhaust	**CO2e**	
Year	Tons				MT	
Construction Equipment						
2024	0.01	0.14	0.01	0.01	33.50	
2025	0.08	0.60	0.03	0.02	96.61	
2026	3.23	0.74	0.03	0.03	156.77	
2027						
EMFAC						
2024	0.03	0.09	0.01	0.003	104.70	
2025	0.10	0.34	0.03	0.01	406.22	
2026	0.08	0.28	0.03	0.01	345.34	
2027						
Total Construction Emissions by Year						
2024	0.04	0.23	0.01	0.01	138.19	
2025	0.18	0.94	0.06	0.04	502.84	
2026	3.32	1.02	0.06	0.04	502.11	
2027	0.00	0.00	0.00	0.00	0.00	
	Total Construction Emissions					
Tons	3.54	2.18	0.13	0.09	1143.14	
Pounds/Workdays	*Average Daily Emissions*				Workdays	
2024	1.25	6.86	0.39	0.24		**66**
2025	1.37	7.19	0.43	0.28		**261**
2026	29.24	8.98	0.51	0.37		**227**
2027	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
Threshold - lbs/day	**54.0**	**54.0**	**82.0**	**54.0**		
	Total Construction Emissions					
Pounds	31.85	23.02	1.33	0.89	0.00	
Average	12.77	7.88	0.46	0.31	0.00	553.86
Threshold - lbs/day	**54.0**	**54.0**	**82.0**	**54.0**		

Building 3 Unmitigated Construction Criteria Air Pollutants						
Unmitigated	ROG	NOX	PM10 Exhaust	PM2.5 Exhaust	**CO2e**	
Year	Tons				MT	
Construction Equipment						
2024						
2025						
2026	0.04	0.39	0.02	0.02	76.68	
2027	3.10	0.86	0.04	0.04	176.49	
EMFAC						
2024						
2025						
2026	0.07	0.22	0.02	0.01	273.56	
2027	0.08	0.26	0.02	0.01	334.69	
Total Construction Emissions by Year						
2024	0.00	0.00	0.00	0.00	0.00	
2025	0.00	0.00	0.00	0.00	0.00	
2026	0.11	0.61	0.04	0.02	350.25	
2027	3.18	1.12	0.06	0.05	511.18	
	Total Construction Emissions					
Tons	3.29	1.73	0.10	0.07	861.43	
Pounds/Workdays	*Average Daily Emissions*				Workdays	
2024	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
2025	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
2026	1.09	6.23	0.37	0.24		**197**
2027	25.85	9.09	0.51	0.38		**246**
Threshold - lbs/day	**54.0**	**54.0**	**82.0**	**54.0**		
	Total Construction Emissions					
Pounds	26.95	15.32	0.88	0.62	0.00	
Average	14.85	7.82	0.45	0.32	0.00	443.14
Threshold - lbs/day	**54.0**	**54.0**	**82.0**	**54.0**		

681 E Trimble/Seely, San Jose - Infrastructure Construction - Santa Clara County, Annual

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

681 E Trimble/Seely, San Jose - Infrastructure Construction

Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	2.50	Acre	2.50	108,900.00	0
Condo/Townhouse	154.00	Dwelling Unit	0.00	371,535.00	440
Apartments Mid Rise	1,316.00	Dwelling Unit	19.70	1,998,854.00	3764
Regional Shopping Center	56.50	1000sqft	0.00	56,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2025
Utility Company	San Jose Clean Energy				
CO2 Intensity (lb/MWhr)	178	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SJCE 2020 rate - 178

Land Use - Provided land uses

Construction Phase - Provided infrastructure construction schedule

Off-road Equipment - Provided infrastructure construction equip & hours

Off-road Equipment - Provided infrastructure construction equip & hours

Off-road Equipment - Provided infrastructure construction equip & hours

Off-road Equipment - Provided infrastructure construction equip & hours

Trips and VMT - EMFAC2021 0 trip adjustment, 350 tons pavement demo, paving = 6,500-cy asphalt

Demolition - existing building demo = 8.000-sf

681 E Trimble/Seely, San Jose - Infrastructure Construction - Santa Clara County, Annual

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

Grading - Site prep - 23,000-cy export, 1,000-cy import

Construction Off-road Equipment Mitigation - BMPs, Tier 4 interim mitigation

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	35.00	65.00
tblConstructionPhase	NumDays	20.00	66.00
tblConstructionPhase	NumDays	10.00	64.00
tblGrading	MaterialExported	0.00	23,000.00

681 E Trimble/Seely, San Jose - Infrastructure Construction - Santa Clara County, Annual

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

tblGrading	MaterialImported	0.00	1,000.00
tblLandUse	LandUseSquareFeet	1,470,000.00	2,370,389.00
tblLandUse	LotAcreage	38.68	19.70
tblLandUse	LotAcreage	1.30	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	3.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	2.10
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	2.40
tblOffRoadEquipment	UsageHours	8.00	2.40
tblOffRoadEquipment	UsageHours	8.00	2.40
tblOffRoadEquipment	UsageHours	8.00	2.10
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	5.60

681 E Trimble/Seely, San Jose - Infrastructure Construction - Santa Clara County, Annual

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

tblProjectCharacteristics	CO2IntensityFactor	807.98	178
tblTripsAndVMT	HaulingTripNumber	36.00	0.00
tblTripsAndVMT	HaulingTripNumber	3,000.00	0.00
tblTripsAndVMT	WorkerTripNumber	8.00	0.00
tblTripsAndVMT	WorkerTripNumber	33.00	0.00
tblTripsAndVMT	WorkerTripNumber	5.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.1062	1.0720	0.8794	2.2200e-003	0.1003	0.0409	0.1412	0.0111	0.0376	0.0487	0.0000	194.7380	194.7380	0.0630	0.0000	196.3126
Maximum	**0.1062**	**1.0720**	**0.8794**	**2.2200e-003**	**0.1003**	**0.0409**	**0.1412**	**0.0111**	**0.0376**	**0.0487**	**0.0000**	**194.7380**	**194.7380**	**0.0630**	**0.0000**	**196.3126**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					

681 E Trimble/Seely, San Jose - Infrastructure Construction - Santa Clara County, Annual

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

2024	0.0384	0.6744	1.2937	2.2200e-003	0.0451	3.6200e-003	0.0488	4.9800e-003	3.6200e-003	8.6000e-003	0.0000	194.7378	194.7378	0.0630	0.0000	196.3124
Maximum	**0.0384**	**0.6744**	**1.2937**	**2.2200e-003**	**0.0451**	**3.6200e-003**	**0.0488**	**4.9800e-003**	**3.6200e-003**	**8.6000e-003**	**0.0000**	**194.7378**	**194.7378**	**0.0630**	**0.0000**	**196.3124**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	63.83	37.09	-47.12	0.00	55.00	91.15	65.47	54.97	90.38	82.34	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	2-1-2024	4-30-2024	1.0628	0.6033
2	5-1-2024	7-31-2024	0.0731	0.0670
3	8-1-2024	9-30-2024	0.0448	0.0432
		Highest	1.0628	0.6033

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/1/2024	2/21/2024	5	15	
2	Site Preparation	Site Preparation	2/1/2024	4/30/2024	5	64	
3	Trenching/Utilities	Grading	4/1/2024	6/28/2024	5	65	
4	Paving	Paving	7/1/2024	9/30/2024	5	66	

Acres of Grading (Site Preparation Phase): 179.2

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

Date: 6/10/2022 3:03 PM

681 E Trimble/Seely, San Jose - Infrastructure Construction - Santa Clara County, Annual

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	0.00	81	0.73
Demolition	Excavators	1	2.10	158	0.38
Demolition	Rubber Tired Dozers	1	2.10	247	0.40
Demolition	Tractors/Loaders/Backhoes	1	2.10	97	0.37
Site Preparation	Graders	3	8.00	187	0.41
Site Preparation	Off-Highway Trucks	3	2.60	402	0.38
Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40
Site Preparation	Scrapers	4	2.60	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	3	5.60	97	0.37
Trenching/Utilities	Excavators	0	0.00	158	0.38
Trenching/Utilities	Graders	0	0.00	187	0.41
Trenching/Utilities	Rubber Tired Dozers	0	0.00	247	0.40
Trenching/Utilities	Scrapers	0	0.00	367	0.48
Trenching/Utilities	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Pavers	1	2.40	130	0.42
Paving	Paving Equipment	1	2.40	132	0.36
Paving	Rollers	1	2.40	80	0.38
Paving	Tractors/Loaders/Backhoes	1	2.40	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	3	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	13	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching/Utilities	2	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	4	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

681 E Trimble/Seely, San Jose - Infrastructure Construction - Santa Clara County, Annual

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

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.9400e-003	0.0000	3.9400e-003	6.0000e-004	0.0000	6.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0100e-003	0.0197	0.0170	3.0000e-005		9.0000e-004	9.0000e-004		8.3000e-004	8.3000e-004	0.0000	2.9095	2.9095	9.4000e-004	0.0000	2.9330
Total	**2.0100e-003**	**0.0197**	**0.0170**	**3.0000e-005**	**3.9400e-003**	**9.0000e-004**	**4.8400e-003**	**6.0000e-004**	**8.3000e-004**	**1.4300e-003**	**0.0000**	**2.9095**	**2.9095**	**9.4000e-004**	**0.0000**	**2.9330**

Unmitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Infrastructure Construction - Santa Clara County, Annual

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

Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.7700e-003	0.0000	1.7700e-003	2.7000e-004	0.0000	2.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4000e-004	0.0116	0.0212	3.0000e-005		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	2.9095	2.9095	9.4000e-004	0.0000	2.9330
Total	**5.4000e-004**	**0.0116**	**0.0212**	**3.0000e-005**	**1.7700e-003**	**5.0000e-005**	**1.8200e-003**	**2.7000e-004**	**5.0000e-005**	**3.2000e-004**	**0.0000**	**2.9095**	**2.9095**	**9.4000e-004**	**0.0000**	**2.9330**

Mitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Infrastructure Construction - Santa Clara County, Annual

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

Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0964	0.0000	0.0964	0.0105	0.0000	0.0105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0908	0.9202	0.6589	1.8900e-003		0.0338	0.0338		0.0311	0.0311	0.0000	165.8595	165.8595	0.0536	0.0000	167.2006
Total	**0.0908**	**0.9202**	**0.6589**	**1.8900e-003**	**0.0964**	**0.0338**	**0.1302**	**0.0105**	**0.0311**	**0.0416**	**0.0000**	**165.8595**	**165.8595**	**0.0536**	**0.0000**	**167.2006**

Unmitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Infrastructure Construction - Santa Clara County, Annual

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

Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0434	0.0000	0.0434	4.7100e-003	0.0000	4.7100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0321	0.5337	1.0495	1.8900e-003		3.0900e-003	3.0900e-003		3.0900e-003	3.0900e-003	0.0000	165.8594	165.8594	0.0536	0.0000	167.2004
Total	**0.0321**	**0.5337**	**1.0495**	**1.8900e-003**	**0.0434**	**3.0900e-003**	**0.0465**	**4.7100e-003**	**3.0900e-003**	**7.8000e-003**	**0.0000**	**165.8594**	**165.8594**	**0.0536**	**0.0000**	**167.2004**

Mitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Infrastructure Construction - Santa Clara County, Annual

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

Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Trenching/Utilities - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.0200e-003	0.0706	0.1090	1.5000e-004		3.2400e-003	3.2400e-003		2.9800e-003	2.9800e-003	0.0000	13.3457	13.3457	4.3200e-003	0.0000	13.4536
Total	**7.0200e-003**	**0.0706**	**0.1090**	**1.5000e-004**	**0.0000**	**3.2400e-003**	**3.2400e-003**	**0.0000**	**2.9800e-003**	**2.9800e-003**	**0.0000**	**13.3457**	**13.3457**	**4.3200e-003**	**0.0000**	**13.4536**

Unmitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Infrastructure Construction - Santa Clara County, Annual

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

Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.3900e-003	0.0660	0.1142	1.5000e-004		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	13.3457	13.3457	4.3200e-003	0.0000	13.4536
Total	**3.3900e-003**	**0.0660**	**0.1142**	**1.5000e-004**	**0.0000**	**2.5000e-004**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**2.5000e-004**	**0.0000**	**13.3457**	**13.3457**	**4.3200e-003**	**0.0000**	**13.4536**

Mitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Infrastructure Construction - Santa Clara County, Annual

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

Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.3200e-003	0.0615	0.0945	1.4000e-004		2.9800e-003	2.9800e-003		2.7400e-003	2.7400e-003	0.0000	12.6233	12.6233	4.0800e-003	0.0000	12.7254
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.3200e-003**	**0.0615**	**0.0945**	**1.4000e-004**		**2.9800e-003**	**2.9800e-003**		**2.7400e-003**	**2.7400e-003**	**0.0000**	**12.6233**	**12.6233**	**4.0800e-003**	**0.0000**	**12.7254**

Unmitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Infrastructure Construction - Santa Clara County, Annual

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

Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

<u>Mitigated Construction On-Site</u>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.3400e-003	0.0631	0.1088	1.4000e-004		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	12.6233	12.6233	4.0800e-003	0.0000	12.7254
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.3400e-003**	**0.0631**	**0.1088**	**1.4000e-004**		**2.4000e-004**	**2.4000e-004**		**2.4000e-004**	**2.4000e-004**	**0.0000**	**12.6233**	**12.6233**	**4.0800e-003**	**0.0000**	**12.7254**

<u>Mitigated Construction Off-Site</u>

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

681 E Trimble/Seely, San Jose - Infrastructure Construction - Santa Clara County, Annual

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

Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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

681 E Trimble/Seely, San Jose - Building 1 Construction

Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	380.00	Dwelling Unit	2.12	405,463.00	1087
Regional Shopping Center	5.43	1000sqft	0.00	5,431.00	0
Enclosed Parking with Elevator	559.00	Space	0.00	177,758.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2026
Utility Company	San Jose Clean Energy				
CO2 Intensity (lb/MWhr)	178	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SJCE 2020 rate = 178

Land Use - Provided land uses

Construction Phase - Provided Building 1 construction schedule

Off-road Equipment - Provided Building 1 construction equip & hours

Off-road Equipment - Provided Building 1 construction equip & hours

Off-road Equipment - Provided Building 1 construction equip & hours

Off-road Equipment - Provided Building 1 construction equip & hours

Off-road Equipment - Provided Building 1 construction equip & hours

Grading -

Trips and VMT - EMFAC2021 0 trip adjustment, building ext = 1,300 cement truck round trips, paving = 113-cy asphalt

Date: 6/10/2022 4:41 PM

681 E Trimble/Seely, San Jose - Building 1 Construction - Santa Clara County, Annual

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

Construction Off-road Equipment Mitigation - BMPs, Tier 4 interim mitigation

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim

681 E Trimble/Seely, San Jose - Building 1 Construction - Santa Clara County, Annual

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

tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	10.00	171.00
tblConstructionPhase	NumDays	220.00	282.00
tblConstructionPhase	NumDays	6.00	21.00
tblConstructionPhase	NumDays	3.00	21.00
tblConstructionPhase	PhaseEndDate	4/10/2025	11/25/2025
tblConstructionPhase	PhaseEndDate	3/13/2025	6/30/2025
tblConstructionPhase	PhaseEndDate	5/9/2024	5/29/2024
tblConstructionPhase	PhaseEndDate	3/27/2025	12/10/2025
tblConstructionPhase	PhaseEndDate	5/1/2024	4/29/2024
tblConstructionPhase	PhaseStartDate	3/28/2025	4/1/2025
tblConstructionPhase	PhaseStartDate	5/10/2024	5/31/2024
tblConstructionPhase	PhaseStartDate	5/2/2024	5/1/2024
tblConstructionPhase	PhaseStartDate	3/14/2025	11/27/2025
tblConstructionPhase	PhaseStartDate	4/27/2024	4/1/2024
tblLandUse	LandUseSquareFeet	380,000.00	405,463.00
tblLandUse	LandUseSquareFeet	223,600.00	177,758.00
tblLandUse	LotAcreage	10.00	2.12
tblLandUse	LotAcreage	0.12	0.00
tblLandUse	LotAcreage	5.03	0.00
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.31	0.31
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	5.00

681 E Trimble/Seely, San Jose - Building 1 Construction - Santa Clara County, Annual

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	UsageHours	6.00	7.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	7.10
tblOffRoadEquipment	UsageHours	7.00	5.30
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	1.50
tblOffRoadEquipment	UsageHours	8.00	2.40
tblOffRoadEquipment	UsageHours	8.00	2.40
tblOffRoadEquipment	UsageHours	8.00	2.40
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	7.00	6.70
tblOffRoadEquipment	UsageHours	8.00	2.40
tblOffRoadEquipment	UsageHours	7.00	1.50
tblOffRoadEquipment	UsageHours	8.00	1.40
tblProjectCharacteristics	CO2IntensityFactor	807.98	178
tblTripsAndVMT	VendorTripNumber	71.00	0.00
tblTripsAndVMT	WorkerTripNumber	70.00	0.00
tblTripsAndVMT	WorkerTripNumber	350.00	0.00
tblTripsAndVMT	WorkerTripNumber	8.00	0.00

681 E Trimble/Seely, San Jose - Building 1 Construction - Santa Clara County, Annual

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

tblTripsAndVMT	WorkerTripNumber	13.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.0436	0.4261	0.3564	8.7000e-004	1.0400e-003	0.0188	0.0198	1.1000e-004	0.0173	0.0174	0.0000	75.7491	75.7491	0.0239	0.0000	76.3476
2025	3.0348	0.8639	1.1668	2.0500e-003	0.0000	0.0384	0.0384	0.0000	0.0374	0.0374	0.0000	176.6124	176.6124	0.0224	0.0000	177.1723
Maximum	**3.0348**	**0.8639**	**1.1668**	**2.0500e-003**	**1.0400e-003**	**0.0384**	**0.0384**	**1.1000e-004**	**0.0374**	**0.0374**	**0.0000**	**176.6124**	**176.6124**	**0.0239**	**0.0000**	**177.1723**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.0155	0.2825	0.5158	8.7000e-004	4.7000e-004	1.9900e-003	2.4600e-003	5.0000e-005	1.9900e-003	2.0400e-003	0.0000	75.7490	75.7490	0.0239	0.0000	76.3475
2025	2.9573	0.7314	1.2633	2.0500e-003	0.0000	4.4500e-003	4.4500e-003	0.0000	4.4500e-003	4.4500e-003	0.0000	176.6122	176.6122	0.0224	0.0000	177.1721

681 E Trimble/Seely, San Jose - Building 1 Construction - Santa Clara County, Annual

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

Maximum	2.9573	0.7314	1.2633	2.0500e-003	4.7000e-004	4.4500e-003	4.4500e-003	5.0000e-005	4.4500e-003	4.4500e-003	0.0000	176.6122	176.6122	0.0239	0.0000	177.1721

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	3.43	21.40	-16.80	0.00	54.81	88.73	88.12	54.55	88.23	88.16	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-1-2024	6-30-2024	0.1425	0.1220
2	7-1-2024	9-30-2024	0.1637	0.0878
3	10-1-2024	12-31-2024	0.1637	0.0878
4	1-1-2025	3-31-2025	0.1466	0.0858
5	4-1-2025	6-30-2025	1.5139	1.4190
6	7-1-2025	9-30-2025	1.3806	1.3468
		Highest	1.5139	1.4190

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2024	4/29/2024	5	21	
2	Trenching	Grading	5/1/2024	5/29/2024	5	21	
3	Building Construction	Building Construction	5/31/2024	6/30/2025	5	282	
4	Architectural Coating	Architectural Coating	4/1/2025	11/25/2025	5	171	
5	Paving	Paving	11/27/2025	12/10/2025	5	10	

Acres of Grading (Site Preparation Phase): 1.97

Acres of Grading (Grading Phase): 0

681 E Trimble/Seely, San Jose - Building 1 Construction - Santa Clara County, Annual

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

Acres of Paving: 0

Residential Indoor: 821,063; Residential Outdoor: 273,688; Non-Residential Indoor: 8,147; Non-Residential Outdoor: 2,716; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	5	7.00	78	0.48
Paving	Cement and Mortar Mixers	0	0.00	9	0.56
Site Preparation	Bore/Drill Rigs	2	8.00	221	0.50
Building Construction	Cranes	1	7.10	231	0.29
Building Construction	Forklifts	2	5.30	89	0.20
Building Construction	Generator Sets	0	0.00	84	0.74
Trenching	Graders	0	0.00	187	0.41
Site Preparation	Graders	1	1.50	187	0.41
Paving	Pavers	1	2.40	130	0.42
Paving	Paving Equipment	1	2.40	132	0.36
Paving	Rollers	2	2.40	80	0.38
Trenching	Excavators	1	1.90	158	0.38
Trenching	Rubber Tired Dozers	0	0.00	247	0.40
Site Preparation	Scrapers	0	0.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Architectural Coating	Aerial Lifts	1	2.80	63	0.31
Trenching	Tractors/Loaders/Backhoes	2	6.70	97	0.37
Paving	Tractors/Loaders/Backhoes	1	2.40	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	1.50	97	0.37
Building Construction	Welders	1	1.40	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class

681 E Trimble/Seely, San Jose - Building 1 Construction - Santa Clara County, Annual

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

Architectural Coating	6	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	4	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	4	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0400e-003	0.0000	1.0400e-003	1.1000e-004	0.0000	1.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4200e-003	0.0512	0.0507	2.2000e-004		1.7200e-003	1.7200e-003		1.5800e-003	1.5800e-003	0.0000	19.2469	19.2469	6.2200e-003	0.0000	19.4025
Total	**5.4200e-003**	**0.0512**	**0.0507**	**2.2000e-004**	**1.0400e-003**	**1.7200e-003**	**2.7600e-003**	**1.1000e-004**	**1.5800e-003**	**1.6900e-003**	**0.0000**	**19.2469**	**19.2469**	**6.2200e-003**	**0.0000**	**19.4025**

Unmitigated Construction Off-Site

681 E Trimble/Seely, San Jose - Building 1 Construction - Santa Clara County, Annual

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

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.7000e-004	0.0000	4.7000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.6400e-003	0.0592	0.1185	2.2000e-004		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	19.2469	19.2469	6.2200e-003	0.0000	19.4025
Total	**3.6400e-003**	**0.0592**	**0.1185**	**2.2000e-004**	**4.7000e-004**	**3.6000e-004**	**8.3000e-004**	**5.0000e-005**	**3.6000e-004**	**4.1000e-004**	**0.0000**	**19.2469**	**19.2469**	**6.2200e-003**	**0.0000**	**19.4025**

Mitigated Construction Off-Site

681 E Trimble/Seely, San Jose - Building 1 Construction - Santa Clara County, Annual

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

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

3.3 Trenching - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9800e-003	0.0290	0.0475	7.0000e-005		1.3400e-003	1.3400e-003		1.2300e-003	1.2300e-003	0.0000	5.9521	5.9521	1.9300e-003	0.0000	6.0003
Total	**2.9800e-003**	**0.0290**	**0.0475**	**7.0000e-005**	**0.0000**	**1.3400e-003**	**1.3400e-003**	**0.0000**	**1.2300e-003**	**1.2300e-003**	**0.0000**	**5.9521**	**5.9521**	**1.9300e-003**	**0.0000**	**6.0003**

Unmitigated Construction Off-Site

681 E Trimble/Seely, San Jose - Building 1 Construction - Santa Clara County, Annual

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

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3800e-003	0.0295	0.0510	7.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	5.9521	5.9521	1.9300e-003	0.0000	6.0003
Total	**1.3800e-003**	**0.0295**	**0.0510**	**7.0000e-005**	**0.0000**	**1.1000e-004**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**1.1000e-004**	**0.0000**	**5.9521**	**5.9521**	**1.9300e-003**	**0.0000**	**6.0003**

Mitigated Construction Off-Site

681 E Trimble/Seely, San Jose - Building 1 Construction - Santa Clara County, Annual

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

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

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0352	0.3460	0.2583	5.8000e-004		0.0157	0.0157		0.0145	0.0145	0.0000	50.5501	50.5501	0.0158	0.0000	50.9448
Total	**0.0352**	**0.3460**	**0.2583**	**5.8000e-004**		**0.0157**	**0.0157**		**0.0145**	**0.0145**	**0.0000**	**50.5501**	**50.5501**	**0.0158**	**0.0000**	**50.9448**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

681 E Trimble/Seely, San Jose - Building 1 Construction - Santa Clara County, Annual

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

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0105	0.1938	0.3463	5.8000e-004		1.5200e-003	1.5200e-003		1.5200e-003	1.5200e-003	0.0000	50.5500	50.5500	0.0158	0.0000	50.9448
Total	**0.0105**	**0.1938**	**0.3463**	**5.8000e-004**		**1.5200e-003**	**1.5200e-003**		**1.5200e-003**	**1.5200e-003**	**0.0000**	**50.5500**	**50.5500**	**0.0158**	**0.0000**	**50.9448**

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0278	0.2665	0.2149	4.9000e-004		0.0119	0.0119		0.0110	0.0110	0.0000	42.6216	42.6216	0.0133	0.0000	42.9541
Total	**0.0278**	**0.2665**	**0.2149**	**4.9000e-004**		**0.0119**	**0.0119**		**0.0110**	**0.0110**	**0.0000**	**42.6216**	**42.6216**	**0.0133**	**0.0000**	**42.9541**

Unmitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Building 1 Construction - Santa Clara County, Annual

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

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.8600e-003	0.1634	0.2920	4.9000e-004		1.2800e-003	1.2800e-003		1.2800e-003	1.2800e-003	0.0000	42.6216	42.6216	0.0133	0.0000	42.9541
Total	**8.8600e-003**	**0.1634**	**0.2920**	**4.9000e-004**		**1.2800e-003**	**1.2800e-003**		**1.2800e-003**	**1.2800e-003**	**0.0000**	**42.6216**	**42.6216**	**0.0133**	**0.0000**	**42.9541**

Mitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Building 1 Construction - Santa Clara County, Annual

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

Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.9196					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0862	0.5868	0.9348	1.5300e-003		0.0260	0.0260		0.0259	0.0259	0.0000	131.7326	131.7326	8.3700e-003	0.0000	131.9418
Total	**3.0059**	**0.5868**	**0.9348**	**1.5300e-003**		**0.0260**	**0.0260**		**0.0259**	**0.0259**	**0.0000**	**131.7326**	**131.7326**	**8.3700e-003**	**0.0000**	**131.9418**

Unmitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Building 1 Construction - Santa Clara County, Annual

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

Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.9196					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0284	0.5567	0.9518	1.5300e-003		3.1200e-003	3.1200e-003		3.1200e-003	3.1200e-003	0.0000	131.7325	131.7325	8.3700e-003	0.0000	131.9416
Total	**2.9480**	**0.5567**	**0.9518**	**1.5300e-003**		**3.1200e-003**	**3.1200e-003**		**3.1200e-003**	**3.1200e-003**	**0.0000**	**131.7325**	**131.7325**	**8.3700e-003**	**0.0000**	**131.9416**

Mitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Building 1 Construction - Santa Clara County, Annual

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

Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0900e-003	0.0106	0.0171	3.0000e-005		5.0000e-004	5.0000e-004		4.6000e-004	4.6000e-004	0.0000	2.2582	2.2582	7.3000e-004	0.0000	2.2765
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.0900e-003**	**0.0106**	**0.0171**	**3.0000e-005**		**5.0000e-004**	**5.0000e-004**		**4.6000e-004**	**4.6000e-004**	**0.0000**	**2.2582**	**2.2582**	**7.3000e-004**	**0.0000**	**2.2765**

Unmitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Building 1 Construction - Santa Clara County, Annual

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

Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.4000e-004	0.0113	0.0195	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.2582	2.2582	7.3000e-004	0.0000	2.2765
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.4000e-004**	**0.0113**	**0.0195**	**3.0000e-005**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**	**0.0000**	**2.2582**	**2.2582**	**7.3000e-004**	**0.0000**	**2.2765**

Mitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Building 1 Construction - Santa Clara County, Annual

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

Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

681 E Trimble/Seely, San Jose - Townhomes Construction - Santa Clara County, Annual

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

681 E Trimble/Seely, San Jose - Townhomes Construction

Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Condo/Townhouse	154.00	Dwelling Unit	7.28	301,313.00	440
Enclosed Parking Structure	348.00	Space	0.00	70,222.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2027
Utility Company	San Jose Clean Energy				
CO2 Intensity (lb/MWhr)	178	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SJCE 2020 rate = 178

Land Use - Provided land uses

Construction Phase - Provided TH construction schedule

Off-road Equipment - Provided townhome construction equip & hours

Off-road Equipment - Provided townhome construction equip & hours

Grading -

Off-road Equipment - Provided townhome construction equip & hours

Off-road Equipment - Provided townhome construction equip & hours

Off-road Equipment - Provided townhome construction equip & hours

Trips and VMT - EMFAC2021 0 trip adjustment, paving = 50 cement truck round trips and 150 asphalt truck round trips, building ext = 300 cement truck round trips

Construction Off-road Equipment Mitigation - BMPs, Tier 4 interim mitigation

681 E Trimble/Seely, San Jose - Townhomes Construction - Santa Clara County, Annual

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

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	20.00	365.00
tblConstructionPhase	NumDays	230.00	730.00
tblConstructionPhase	NumDays	20.00	98.00

681 E Trimble/Seely, San Jose - Townhomes Construction - Santa Clara County, Annual

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

tblConstructionPhase	NumDays	20.00	56.00
tblConstructionPhase	NumDays	230.00	55.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	PhaseEndDate	6/20/2025	1/22/2027
tblConstructionPhase	PhaseEndDate	4/25/2025	9/25/2026
tblConstructionPhase	PhaseEndDate	6/7/2024	7/7/2024
tblConstructionPhase	PhaseEndDate	5/23/2025	9/2/2024
tblConstructionPhase	PhaseStartDate	5/24/2025	1/23/2026
tblConstructionPhase	PhaseStartDate	6/8/2024	9/26/2024
tblConstructionPhase	PhaseStartDate	5/11/2024	4/1/2024
tblConstructionPhase	PhaseStartDate	4/26/2025	7/9/2024
tblLandUse	LandUseSquareFeet	154,000.00	301,313.00
tblLandUse	LandUseSquareFeet	139,200.00	70,222.00
tblLandUse	LotAcreage	4.05	7.28
tblLandUse	LotAcreage	3.13	0.00
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Graders
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00

681 E Trimble/Seely, San Jose - Townhomes Construction - Santa Clara County, Annual

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	6.00	4.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.10
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.80
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.10
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	1.10
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	5.70
tblOffRoadEquipment	UsageHours	7.00	2.70
tblOffRoadEquipment	UsageHours	8.00	3.10
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.70
tblProjectCharacteristics	CO2IntensityFactor	807.98	178

681 E Trimble/Seely, San Jose - Townhomes Construction - Santa Clara County, Annual

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

tblTripsAndVMT	VendorTripNumber	28.00	0.00
tblTripsAndVMT	VendorTripNumber	28.00	0.00
tblTripsAndVMT	WorkerTripNumber	28.00	0.00
tblTripsAndVMT	WorkerTripNumber	140.00	0.00
tblTripsAndVMT	WorkerTripNumber	140.00	0.00
tblTripsAndVMT	WorkerTripNumber	5.00	0.00
tblTripsAndVMT	WorkerTripNumber	13.00	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.0257	0.2385	0.3659	5.7000e-004	0.0000	0.0114	0.0114	0.0000	0.0107	0.0107	0.0000	49.5172	49.5172	0.0120	0.0000	49.8180
2025	0.0490	0.4574	0.6821	1.0800e-003	0.0000	0.0203	0.0203	0.0000	0.0194	0.0194	0.0000	94.1178	94.1178	0.0157	0.0000	94.5094
2026	2.0625	0.4668	0.7077	1.1400e-003	0.0000	0.0208	0.0208	0.0000	0.0201	0.0201	0.0000	98.2979	98.2979	0.0131	0.0000	98.6252
2027	0.1300	8.4000e-003	0.0133	2.0000e-005	0.0000	3.8000e-004	3.8000e-004	0.0000	3.8000e-004	3.8000e-004	0.0000	1.8724	1.8724	1.0000e-004	0.0000	1.8749
Maximum	**2.0625**	**0.4668**	**0.7077**	**1.1400e-003**	**0.0000**	**0.0208**	**0.0208**	**0.0000**	**0.0201**	**0.0201**	**0.0000**	**98.2979**	**98.2979**	**0.0157**	**0.0000**	**98.6252**

Mitigated Construction

681 E Trimble/Seely, San Jose - Townhomes Construction - Santa Clara County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.0107	0.2328	0.4030	5.7000e-004	0.0000	8.8000e-004	8.8000e-004	0.0000	8.8000e-004	8.8000e-004	0.0000	49.5171	49.5171	0.0120	0.0000	49.8179
2025	0.0218	0.4236	0.7334	1.0800e-003	0.0000	1.5900e-003	1.5900e-003	0.0000	1.5900e-003	1.5900e-003	0.0000	94.1177	94.1177	0.0157	0.0000	94.5093
2026	2.0292	0.4322	0.7480	1.1400e-003	0.0000	1.6200e-003	1.6200e-003	0.0000	1.6200e-003	1.6200e-003	0.0000	98.2978	98.2978	0.0131	0.0000	98.6251
2027	0.1291	7.7700e-003	0.0134	2.0000e-005	0.0000	3.0000e-005	3.0000e-005	0.0000	3.0000e-005	3.0000e-005	0.0000	1.8724	1.8724	1.0000e-004	0.0000	1.8749
Maximum	**2.0292**	**0.4322**	**0.7480**	**1.1400e-003**	**0.0000**	**1.6200e-003**	**1.6200e-003**	**0.0000**	**1.6200e-003**	**1.6200e-003**	**0.0000**	**98.2978**	**98.2978**	**0.0157**	**0.0000**	**98.6251**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**3.37**	**6.39**	**-7.28**	**0.00**	**0.00**	**92.22**	**92.22**	**0.00**	**91.86**	**91.86**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**4-1-2024**	**6-30-2024**	0.0353	0.0358
2	**7-1-2024**	**9-30-2024**	0.0602	0.0578
3	**10-1-2024**	**12-31-2024**	0.1687	0.1499
4	**1-1-2025**	**3-31-2025**	0.1249	0.1098
5	**4-1-2025**	**6-30-2025**	0.1263	0.1110
6	**7-1-2025**	**9-30-2025**	0.1277	0.1123
7	**10-1-2025**	**12-31-2025**	0.1277	0.1123
8	**1-1-2026**	**3-31-2026**	0.5526	0.5330
9	**4-1-2026**	**6-30-2026**	0.6987	0.6773
10	**7-1-2026**	**9-30-2026**	0.6994	0.6787

681 E Trimble/Seely, San Jose - Townhomes Construction - Santa Clara County, Annual

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

11	**10-1-2026**	**12-31-2026**	0.5787	0.5725
12	**1-1-2027**	**3-31-2027**	0.1384	0.1369
		Highest	0.6994	0.6787

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Trenching/Utilities	Grading	4/1/2024	7/7/2024	7	98	
2	Paving	Paving	7/9/2024	9/2/2024	7	56	
3	Building Foundation	Building Construction	9/4/2024	10/28/2024	7	55	
4	Building Construction	Building Construction	9/26/2024	9/25/2026	7	730	
5	Architectural Coating	Architectural Coating	1/23/2026	1/22/2027	7	365	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 610,159; Residential Outdoor: 203,386; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 4,213

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	4.00	78	0.48
Building Foundation	Cranes	0	0.00	231	0.29
Building Construction	Cranes	1	0.10	231	0.29
Building Foundation	Forklifts	0	0.00	89	0.20
Trenching/Utilities	Excavators	1	0.80	158	0.38
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	4.00	84	0.74

681 E Trimble/Seely, San Jose - Townhomes Construction - Santa Clara County, Annual

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

Trenching/Utilities	Graders	0	0.00	187	0.41
Paving	Pavers	1	0.10	130	0.42
Paving	Paving Equipment	0	0.00	132	0.36
Paving	Rollers	1	1.10	80	0.38
Building Foundation	Generator Sets	0	0.00	84	0.74
Trenching/Utilities	Rubber Tired Dozers	0	0.00	247	0.40
Building Foundation	Tractors/Loaders/Backhoes	1	5.70	97	0.37
Building Construction	Tractors/Loaders/Backhoes	1	2.70	97	0.37
Trenching/Utilities	Tractors/Loaders/Backhoes	1	3.10	97	0.37
Building Foundation	Welders	0	0.00	46	0.45
Building Construction	Welders	0	0.00	46	0.45
Paving	Rollers	1	0.70	80	0.38
Paving	Graders	1	0.40	187	0.41
Paving	Concrete/Industrial Saws	1	0.20	81	0.73
Building Foundation	Excavators	1	5.70	158	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	4	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Foundation	2	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching/Utilities	2	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

681 E Trimble/Seely, San Jose - Townhomes Construction - Santa Clara County, Annual

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

Reduce Vehicle Speed on Unpaved Roads

3.2 Trenching/Utilities - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.6200e-003	0.0344	0.0585	8.0000e-005		1.6000e-003	1.6000e-003		1.4700e-003	1.4700e-003	0.0000	7.4218	7.4218	2.4000e-003	0.0000	7.4818
Total	**3.6200e-003**	**0.0344**	**0.0585**	**8.0000e-005**	**0.0000**	**1.6000e-003**	**1.6000e-003**	**0.0000**	**1.4700e-003**	**1.4700e-003**	**0.0000**	**7.4218**	**7.4218**	**2.4000e-003**	**0.0000**	**7.4818**

Unmitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Townhomes Construction - Santa Clara County, Annual

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6300e-003	0.0369	0.0637	8.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	7.4218	7.4218	2.4000e-003	0.0000	7.4818
Total	**1.6300e-003**	**0.0369**	**0.0637**	**8.0000e-005**	**0.0000**	**1.4000e-004**	**1.4000e-004**	**0.0000**	**1.4000e-004**	**1.4000e-004**	**0.0000**	**7.4218**	**7.4218**	**2.4000e-003**	**0.0000**	**7.4818**

Mitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Townhomes Construction - Santa Clara County, Annual

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

3.3 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.7000e-003	0.0177	0.0175	3.0000e-005		8.0000e-004	8.0000e-004		7.4000e-004	7.4000e-004	0.0000	2.7869	2.7869	8.0000e-004	0.0000	2.8068
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.7000e-003**	**0.0177**	**0.0175**	**3.0000e-005**		**8.0000e-004**	**8.0000e-004**		**7.4000e-004**	**7.4000e-004**	**0.0000**	**2.7869**	**2.7869**	**8.0000e-004**	**0.0000**	**2.8068**

Unmitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Townhomes Construction - Santa Clara County, Annual

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.2000e-004	0.0120	0.0214	3.0000e-005		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	2.7869	2.7869	8.0000e-004	0.0000	2.8068
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.2000e-004**	**0.0120**	**0.0214**	**3.0000e-005**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**2.7869**	**2.7869**	**8.0000e-004**	**0.0000**	**2.8068**

Mitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Townhomes Construction - Santa Clara County, Annual

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

3.4 Building Foundation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.3700e-003	0.0560	0.1081	1.6000e-004		2.6600e-003	2.6600e-003		2.4500e-003	2.4500e-003	0.0000	14.3007	14.3007	4.6300e-003	0.0000	14.4163
Total	**6.3700e-003**	**0.0560**	**0.1081**	**1.6000e-004**		**2.6600e-003**	**2.6600e-003**		**2.4500e-003**	**2.4500e-003**	**0.0000**	**14.3007**	**14.3007**	**4.6300e-003**	**0.0000**	**14.4163**

Unmitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Townhomes Construction - Santa Clara County, Annual

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.6200e-003	0.0714	0.1230	1.6000e-004		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004	0.0000	14.3007	14.3007	4.6300e-003	0.0000	14.4163
Total	**2.6200e-003**	**0.0714**	**0.1230**	**1.6000e-004**		**2.7000e-004**	**2.7000e-004**		**2.7000e-004**	**2.7000e-004**	**0.0000**	**14.3007**	**14.3007**	**4.6300e-003**	**0.0000**	**14.4163**

Mitigated Construction Off-Site

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

3.5 Building Construction - 2024

Unmitigated Construction On-Site

681 E Trimble/Seely, San Jose - Townhomes Construction - Santa Clara County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0140	0.1304	0.1818	2.9000e-004		6.3400e-003	6.3400e-003		6.0400e-003	6.0400e-003	0.0000	25.0078	25.0078	4.2100e-003	0.0000	25.1131
Total	**0.0140**	**0.1304**	**0.1818**	**2.9000e-004**		**6.3400e-003**	**6.3400e-003**		**6.0400e-003**	**6.0400e-003**	**0.0000**	**25.0078**	**25.0078**	**4.2100e-003**	**0.0000**	**25.1131**

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

681 E Trimble/Seely, San Jose - Townhomes Construction - Santa Clara County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.8000e-003	0.1126	0.1949	2.9000e-004		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	25.0078	25.0078	4.2100e-003	0.0000	25.1130
Total	**5.8000e-003**	**0.1126**	**0.1949**	**2.9000e-004**		**4.2000e-004**	**4.2000e-004**		**4.2000e-004**	**4.2000e-004**	**0.0000**	**25.0078**	**25.0078**	**4.2100e-003**	**0.0000**	**25.1130**

Mitigated Construction Off-Site

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

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Off-Road	0.0490	0.4574	0.6821	1.0800e-003		0.0203	0.0203		0.0194	0.0194	0.0000	94.1178	94.1178	0.0157	0.0000	94.5094
Total	**0.0490**	**0.4574**	**0.6821**	**1.0800e-003**		**0.0203**	**0.0203**		**0.0194**	**0.0194**	**0.0000**	**94.1178**	**94.1178**	**0.0157**	**0.0000**	**94.5094**

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

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

681 E Trimble/Seely, San Jose - Townhomes Construction - Santa Clara County, Annual

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

Off-Road	0.0218	0.4236	0.7334	1.0800e-003		1.5900e-003	1.5900e-003		1.5900e-003	1.5900e-003	0.0000	94.1177	94.1177	0.0157	0.0000	94.5093
Total	**0.0218**	**0.4236**	**0.7334**	**1.0800e-003**		**1.5900e-003**	**1.5900e-003**		**1.5900e-003**	**1.5900e-003**	**0.0000**	**94.1177**	**94.1177**	**0.0157**	**0.0000**	**94.5093**

Mitigated Construction Off-Site

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

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0360	0.3359	0.5009	8.0000e-004		0.0149	0.0149		0.0143	0.0143	0.0000	69.1057	69.1057	0.0115	0.0000	69.3932

681 E Trimble/Seely, San Jose - Townhomes Construction - Santa Clara County, Annual

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

Total	**0.0360**	**0.3359**	**0.5009**	**8.0000e-004**		**0.0149**	**0.0149**		**0.0143**	**0.0143**	**0.0000**	**69.1057**	**69.1057**	**0.0115**	**0.0000**	**69.3932**

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0160	0.3110	0.5385	8.0000e-004		1.1700e-003	1.1700e-003		1.1700e-003	1.1700e-003	0.0000	69.1056	69.1056	0.0115	0.0000	69.3931
Total	**0.0160**	**0.3110**	**0.5385**	**8.0000e-004**		**1.1700e-003**	**1.1700e-003**		**1.1700e-003**	**1.1700e-003**	**0.0000**	**69.1056**	**69.1056**	**0.0115**	**0.0000**	**69.3931**

681 E Trimble/Seely, San Jose - Townhomes Construction - Santa Clara County, Annual

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

Mitigated Construction Off-Site

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

3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.0070					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0195	0.1310	0.2068	3.4000e-004		5.8900e-003	5.8900e-003		5.8900e-003	5.8900e-003	0.0000	29.1922	29.1922	1.5900e-003	0.0000	29.2320
Total	**2.0265**	**0.1310**	**0.2068**	**3.4000e-004**		**5.8900e-003**	**5.8900e-003**		**5.8900e-003**	**5.8900e-003**	**0.0000**	**29.1922**	**29.1922**	**1.5900e-003**	**0.0000**	**29.2320**

681 E Trimble/Seely, San Jose - Townhomes Construction - Santa Clara County, Annual

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

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.0070					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.2300e-003	0.1212	0.2095	3.4000e-004		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	29.1922	29.1922	1.5900e-003	0.0000	29.2320
Total	**2.0132**	**0.1212**	**0.2095**	**3.4000e-004**		**4.5000e-004**	**4.5000e-004**		**4.5000e-004**	**4.5000e-004**	**0.0000**	**29.1922**	**29.1922**	**1.5900e-003**	**0.0000**	**29.2320**

681 E Trimble/Seely, San Jose - Townhomes Construction - Santa Clara County, Annual

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

Mitigated Construction Off-Site

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

3.6 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1287					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2500e-003	8.4000e-003	0.0133	2.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	1.8724	1.8724	1.0000e-004	0.0000	1.8749
Total	**0.1300**	**8.4000e-003**	**0.0133**	**2.0000e-005**		**3.8000e-004**	**3.8000e-004**		**3.8000e-004**	**3.8000e-004**	**0.0000**	**1.8724**	**1.8724**	**1.0000e-004**	**0.0000**	**1.8749**

681 E Trimble/Seely, San Jose - Townhomes Construction - Santa Clara County, Annual

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

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1287					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.0000e-004	7.7700e-003	0.0134	2.0000e-005		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	1.8724	1.8724	1.0000e-004	0.0000	1.8749
Total	**0.1291**	**7.7700e-003**	**0.0134**	**2.0000e-005**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**	**0.0000**	**1.8724**	**1.8724**	**1.0000e-004**	**0.0000**	**1.8749**

681 E Trimble/Seely, San Jose - Townhomes Construction - Santa Clara County, Annual

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

Mitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Affordable Construction - Santa Clara County, Annual

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

681 E Trimble/Seely, San Jose - Affordable Construction

Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	172.00	Dwelling Unit	1.24	136,000.00	492
Enclosed Parking with Elevator	86.00	Space	0.00	33,405.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2026
Utility Company	San Jose Clean Energy				
CO2 Intensity (lb/MWhr)	178	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SJCE 2020 rate - 178

Land Use - Provided land uses

Construction Phase - Provided affordable construction schedule

Off-road Equipment - Provided affordable construction equip & hours

Off-road Equipment - Provided affordable construction equip & hours

Off-road Equipment - Provided affordable construction equip & hours

Off-road Equipment - Provided affordable construction equip & hours

Off-road Equipment - Provided affordable construction equip & hours

Grading -

Trips and VMT - EMFAC2021 0 trip adjustment, building ext = 200 cement truck round trips

Construction Off-road Equipment Mitigation - BMPs, Tier 4 interim mitigation

681 E Trimble/Seely, San Jose - Affordable Construction - Santa Clara County, Annual

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

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim

681 E Trimble/Seely, San Jose - Affordable Construction - Santa Clara County, Annual

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

tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	10.00	131.00
tblConstructionPhase	NumDays	200.00	195.00
tblConstructionPhase	NumDays	4.00	10.00
tblConstructionPhase	NumDays	10.00	15.00
tblConstructionPhase	NumDays	2.00	10.00
tblConstructionPhase	PhaseEndDate	7/10/2025	10/28/2025
tblConstructionPhase	PhaseEndDate	6/12/2025	5/28/2025
tblConstructionPhase	PhaseEndDate	9/5/2024	8/28/2024
tblConstructionPhase	PhaseEndDate	6/26/2025	10/28/2025
tblConstructionPhase	PhaseEndDate	8/30/2024	8/14/2024
tblConstructionPhase	PhaseStartDate	6/27/2025	4/29/2025
tblConstructionPhase	PhaseStartDate	9/6/2024	8/29/2024
tblConstructionPhase	PhaseStartDate	8/31/2024	8/15/2024
tblConstructionPhase	PhaseStartDate	6/13/2025	10/8/2025
tblConstructionPhase	PhaseStartDate	8/29/2024	8/1/2024
tblLandUse	LandUseSquareFeet	172,000.00	136,000.00
tblLandUse	LandUseSquareFeet	34,400.00	33,405.00
tblLandUse	LotAcreage	4.53	1.24
tblLandUse	LotAcreage	0.77	0.00
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.31	0.31
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

681 E Trimble/Seely, San Jose - Affordable Construction - Santa Clara County, Annual

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	3.20
tblOffRoadEquipment	UsageHours	6.00	1.60
tblOffRoadEquipment	UsageHours	8.00	1.60
tblOffRoadEquipment	UsageHours	7.00	1.60
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	1.60
tblOffRoadEquipment	UsageHours	8.00	3.20
tblOffRoadEquipment	UsageHours	8.00	2.10
tblProjectCharacteristics	CO2IntensityFactor	807.98	178
tblTripsAndVMT	VendorTripNumber	24.00	0.00
tblTripsAndVMT	WorkerTripNumber	28.00	0.00
tblTripsAndVMT	WorkerTripNumber	138.00	0.00
tblTripsAndVMT	WorkerTripNumber	8.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00

681 E Trimble/Seely, San Jose - Affordable Construction - Santa Clara County, Annual

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

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.0288	0.2794	0.2333	5.5000e-004	1.0600e-003	0.0123	0.0134	1.1000e-004	0.0114	0.0115	0.0000	47.6728	47.6728	0.0149	0.0000	48.0461
2025	1.0674	0.7760	1.0423	1.8300e-003	0.0000	0.0343	0.0343	0.0000	0.0334	0.0334	0.0000	158.0113	158.0113	0.0205	0.0000	158.5245
Maximum	**1.0674**	**0.7760**	**1.0423**	**1.8300e-003**	**1.0600e-003**	**0.0343**	**0.0343**	**1.1000e-004**	**0.0334**	**0.0334**	**0.0000**	**158.0113**	**158.0113**	**0.0205**	**0.0000**	**158.5245**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	9.8000e-003	0.1828	0.3276	5.5000e-004	4.8000e-004	1.3900e-003	1.8700e-003	5.0000e-005	1.3900e-003	1.4500e-003	0.0000	47.6727	47.6727	0.0149	0.0000	48.0460
2025	0.9981	0.6581	1.1310	1.8300e-003	0.0000	4.2800e-003	4.2800e-003	0.0000	4.2800e-003	4.2800e-003	0.0000	158.0111	158.0111	0.0205	0.0000	158.5244
Maximum	**0.9981**	**0.6581**	**1.1310**	**1.8300e-003**	**4.8000e-004**	**4.2800e-003**	**4.2800e-003**	**5.0000e-005**	**4.2800e-003**	**4.2800e-003**	**0.0000**	**158.0111**	**158.0111**	**0.0205**	**0.0000**	**158.5244**

Date: 6/10/2022 4:09 PM

681 E Trimble/Seely, San Jose - Affordable Construction - Santa Clara County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	8.06	20.32	-14.35	0.00	54.72	87.85	87.11	54.55	87.35	87.25	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	8-1-2024	10-31-2024	0.1842	0.1250
2	11-1-2024	1-31-2025	0.1829	0.1027
3	2-1-2025	4-30-2025	0.1838	0.1155
4	5-1-2025	7-31-2025	0.8330	0.7740
5	8-1-2025	9-30-2025	0.5175	0.4924
		Highest	0.8330	0.7740

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	8/1/2024	8/14/2024	5	10	
2	Trenching	Grading	8/15/2024	8/28/2024	5	10	
3	Building Construction	Building Construction	8/29/2024	5/28/2025	5	195	
4	Architectural Coating	Architectural Coating	4/29/2025	10/28/2025	5	131	
5	Paving	Paving	10/8/2025	10/28/2025	5	15	

Acres of Grading (Site Preparation Phase): 2

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 275,400; Residential Outdoor: 91,800; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 2,004

OffRoad Equipment

681 E Trimble/Seely, San Jose - Affordable Construction - Santa Clara County, Annual

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

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	5	8.00	78	0.48
Paving	Cement and Mortar Mixers	0	0.00	9	0.56
Site Preparation	Bore/Drill Rigs	2	8.00	221	0.50
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	0	0.00	84	0.74
Trenching	Graders	0	0.00	187	0.41
Site Preparation	Graders	1	3.20	187	0.41
Paving	Pavers	1	1.60	130	0.42
Paving	Paving Equipment	1	1.60	132	0.36
Paving	Rollers	1	1.60	80	0.38
Trenching	Excavators	1	4.00	158	0.38
Trenching	Rubber Tired Dozers	0	0.00	247	0.40
Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Architectural Coating	Aerial Lifts	1	3.70	63	0.31
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	1.60	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	3.20	97	0.37
Building Construction	Welders	1	2.10	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	6	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	4	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

681 E Trimble/Seely, San Jose - Affordable Construction - Santa Clara County, Annual

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

Paving	4	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	4	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0600e-003	0.0000	1.0600e-003	1.1000e-004	0.0000	1.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1100e-003	0.0303	0.0283	1.1000e-004		1.0300e-003	1.0300e-003		9.5000e-004	9.5000e-004	0.0000	10.0734	10.0734	3.2600e-003	0.0000	10.1549
Total	**3.1100e-003**	**0.0303**	**0.0283**	**1.1000e-004**	**1.0600e-003**	**1.0300e-003**	**2.0900e-003**	**1.1000e-004**	**9.5000e-004**	**1.0600e-003**	**0.0000**	**10.0734**	**10.0734**	**3.2600e-003**	**0.0000**	**10.1549**

Unmitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Affordable Construction - Santa Clara County, Annual

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.8000e-004	0.0000	4.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	0.0315	0.0626	1.1000e-004		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	10.0734	10.0734	3.2600e-003	0.0000	10.1549
Total	**1.9200e-003**	**0.0315**	**0.0626**	**1.1000e-004**	**4.8000e-004**	**1.9000e-004**	**6.7000e-004**	**5.0000e-005**	**1.9000e-004**	**2.4000e-004**	**0.0000**	**10.0734**	**10.0734**	**3.2600e-003**	**0.0000**	**10.1549**

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Trenching - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8900e-003	0.0180	0.0306	4.0000e-005		8.4000e-004	8.4000e-004		7.7000e-004	7.7000e-004	0.0000	3.8778	3.8778	1.2500e-003	0.0000	3.9092
Total	**1.8900e-003**	**0.0180**	**0.0306**	**4.0000e-005**	**0.0000**	**8.4000e-004**	**8.4000e-004**	**0.0000**	**7.7000e-004**	**7.7000e-004**	**0.0000**	**3.8778**	**3.8778**	**1.2500e-003**	**0.0000**	**3.9092**

Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.6000e-004	0.0193	0.0333	4.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	3.8778	3.8778	1.2500e-003	0.0000	3.9092
Total	**8.6000e-004**	**0.0193**	**0.0333**	**4.0000e-005**	**0.0000**	**7.0000e-005**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**7.0000e-005**	**0.0000**	**3.8778**	**3.8778**	**1.2500e-003**	**0.0000**	**3.9092**

Mitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Affordable Construction - Santa Clara County, Annual

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0238	0.2310	0.1745	3.9000e-004		0.0105	0.0105		9.6600e-003	9.6600e-003	0.0000	33.7215	33.7215	0.0104	0.0000	33.9820
Total	**0.0238**	**0.2310**	**0.1745**	**3.9000e-004**		**0.0105**	**0.0105**		**9.6600e-003**	**9.6600e-003**	**0.0000**	**33.7215**	**33.7215**	**0.0104**	**0.0000**	**33.9820**

Unmitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Affordable Construction - Santa Clara County, Annual

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

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.0200e-003	0.1321	0.2317	3.9000e-004		1.1300e-003	1.1300e-003		1.1300e-003	1.1300e-003	0.0000	33.7215	33.7215	0.0104	0.0000	33.9819
Total	**7.0200e-003**	**0.1321**	**0.2317**	**3.9000e-004**		**1.1300e-003**	**1.1300e-003**		**1.1300e-003**	**1.1300e-003**	**0.0000**	**33.7215**	**33.7215**	**0.0104**	**0.0000**	**33.9819**

Mitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Affordable Construction - Santa Clara County, Annual

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

Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0265	0.2517	0.2051	4.6000e-004		0.0112	0.0112		0.0103	0.0103	0.0000	40.1636	40.1636	0.0124	0.0000	40.4734
Total	**0.0265**	**0.2517**	**0.2051**	**4.6000e-004**		**0.0112**	**0.0112**		**0.0103**	**0.0103**	**0.0000**	**40.1636**	**40.1636**	**0.0124**	**0.0000**	**40.4734**

Unmitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Affordable Construction - Santa Clara County, Annual

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

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.3600e-003	0.1573	0.2760	4.6000e-004		1.3500e-003	1.3500e-003		1.3500e-003	1.3500e-003	0.0000	40.1635	40.1635	0.0124	0.0000	40.4733
Total	**8.3600e-003**	**0.1573**	**0.2760**	**4.6000e-004**		**1.3500e-003**	**1.3500e-003**		**1.3500e-003**	**1.3500e-003**	**0.0000**	**40.1635**	**40.1635**	**0.0124**	**0.0000**	**40.4733**

Mitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Affordable Construction - Santa Clara County, Annual

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

3.5 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9643					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0756	0.5159	0.8229	1.3500e-003		0.0228	0.0228		0.0227	0.0227	0.0000	115.9353	115.9353	7.5200e-003	0.0000	116.1232
Total	**1.0400**	**0.5159**	**0.8229**	**1.3500e-003**		**0.0228**	**0.0228**		**0.0227**	**0.0227**	**0.0000**	**115.9353**	**115.9353**	**7.5200e-003**	**0.0000**	**116.1232**

Unmitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Affordable Construction - Santa Clara County, Annual

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9643					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0250	0.4912	0.8385	1.3500e-003		2.8900e-003	2.8900e-003		2.8900e-003	2.8900e-003	0.0000	115.9351	115.9351	7.5200e-003	0.0000	116.1231
Total	**0.9894**	**0.4912**	**0.8385**	**1.3500e-003**		**2.8900e-003**	**2.8900e-003**		**2.8900e-003**	**2.8900e-003**	**0.0000**	**115.9351**	**115.9351**	**7.5200e-003**	**0.0000**	**116.1231**

Mitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Affordable Construction - Santa Clara County, Annual

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

3.6 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.8000e-004	8.4400e-003	0.0143	2.0000e-005		4.0000e-004	4.0000e-004		3.6000e-004	3.6000e-004	0.0000	1.9125	1.9125	6.2000e-004	0.0000	1.9279
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**8.8000e-004**	**8.4400e-003**	**0.0143**	**2.0000e-005**		**4.0000e-004**	**4.0000e-004**		**3.6000e-004**	**3.6000e-004**	**0.0000**	**1.9125**	**1.9125**	**6.2000e-004**	**0.0000**	**1.9279**

Unmitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Affordable Construction - Santa Clara County, Annual

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.6000e-004	9.5600e-003	0.0165	2.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	1.9125	1.9125	6.2000e-004	0.0000	1.9279
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.6000e-004**	**9.5600e-003**	**0.0165**	**2.0000e-005**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**	**0.0000**	**1.9125**	**1.9125**	**6.2000e-004**	**0.0000**	**1.9279**

Mitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Affordable Construction - Santa Clara County, Annual

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

681 E Trimble/Seely, San Jose - Building 2 Construction - Santa Clara County, Annual

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

681 E Trimble/Seely, San Jose - Building 2 Construction

Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	386.00	Dwelling Unit	2.12	407,119.00	1104
Regional Shopping Center	44.42	1000sqft	0.00	44,415.00	0
Enclosed Parking with Elevator	595.00	Space	0.00	231,520.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2027
Utility Company	San Jose Clean Energy				
CO2 Intensity (lb/MWhr)	178	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SJCE 2020 rate - 178

Land Use - Provided land uses

Construction Phase - Provided Building 2 construction schedule

Off-road Equipment - Provided Building 2 construction equip & hours

Off-road Equipment - Provided Building 2 construction equip & hours

Off-road Equipment - Provided Building 2 construction equip & hours

Off-road Equipment - Provided Building 2 construction equip & hours

Off-road Equipment - Provided Building 2 construction equip & hours

Grading -

Trips and VMT - EMFAC2021 0 trip adjustment, building ext = 1,900 cement truck round trips, paving = 113-cy asphalt

681 E Trimble/Seely, San Jose - Building 2 Construction - Santa Clara County, Annual

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

Construction Off-road Equipment Mitigation - BMPs, Tier 4 interim mitigation

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim

681 E Trimble/Seely, San Jose - Building 2 Construction - Santa Clara County, Annual

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

tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	10.00	217.00
tblConstructionPhase	NumDays	220.00	347.00
tblConstructionPhase	NumDays	6.00	21.00
tblConstructionPhase	NumDays	3.00	21.00
tblConstructionPhase	PhaseEndDate	10/10/2025	10/29/2026
tblConstructionPhase	PhaseEndDate	9/12/2025	3/31/2026
tblConstructionPhase	PhaseEndDate	11/8/2024	11/28/2024
tblConstructionPhase	PhaseEndDate	9/26/2025	11/13/2026
tblConstructionPhase	PhaseEndDate	10/31/2024	10/29/2024
tblConstructionPhase	PhaseStartDate	9/27/2025	12/31/2025
tblConstructionPhase	PhaseStartDate	11/9/2024	11/30/2024
tblConstructionPhase	PhaseStartDate	11/1/2024	10/31/2024
tblConstructionPhase	PhaseStartDate	9/13/2025	10/31/2026
tblConstructionPhase	PhaseStartDate	10/29/2024	10/1/2024
tblLandUse	LandUseSquareFeet	386,000.00	407,119.00
tblLandUse	LandUseSquareFeet	238,000.00	231,520.00
tblLandUse	LotAcreage	10.16	2.12
tblLandUse	LotAcreage	1.02	0.00
tblLandUse	LotAcreage	5.35	0.00
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.31	0.31
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	5.00

681 E Trimble/Seely, San Jose - Building 2 Construction - Santa Clara County, Annual

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	UsageHours	6.00	5.50
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	7.80
tblOffRoadEquipment	UsageHours	7.00	5.90
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	1.50
tblOffRoadEquipment	UsageHours	8.00	2.40
tblOffRoadEquipment	UsageHours	8.00	2.40
tblOffRoadEquipment	UsageHours	8.00	2.40
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	7.00	6.70
tblOffRoadEquipment	UsageHours	8.00	2.40
tblOffRoadEquipment	UsageHours	7.00	1.50
tblOffRoadEquipment	UsageHours	8.00	1.60
tblProjectCharacteristics	CO2IntensityFactor	807.98	178
tblTripsAndVMT	VendorTripNumber	86.00	0.00
tblTripsAndVMT	WorkerTripNumber	78.00	0.00
tblTripsAndVMT	WorkerTripNumber	389.00	0.00
tblTripsAndVMT	WorkerTripNumber	8.00	0.00

681 E Trimble/Seely, San Jose - Building 2 Construction - Santa Clara County, Annual

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

tblTripsAndVMT	WorkerTripNumber	13.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.0140	0.1351	0.1394	3.8000e-004	1.0400e-003	5.5600e-003	6.6000e-003	1.1000e-004	5.1200e-003	5.2300e-003	0.0000	33.2289	33.2289	0.0107	0.0000	33.4953
2025	0.0772	0.5984	0.4866	1.1000e-003	0.0000	0.0268	0.0268	0.0000	0.0247	0.0247	0.0000	95.8714	95.8714	0.0297	0.0000	96.6146
2026	3.2332	0.7391	1.0631	1.8100e-003	0.0000	0.0328	0.0328	0.0000	0.0322	0.0322	0.0000	156.3606	156.3606	0.0163	0.0000	156.7685
Maximum	**3.2332**	**0.7391**	**1.0631**	**1.8100e-003**	**1.0400e-003**	**0.0328**	**0.0328**	**1.1000e-004**	**0.0322**	**0.0322**	**0.0000**	**156.3606**	**156.3606**	**0.0297**	**0.0000**	**156.7685**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	6.6900e-003	0.1196	0.2246	3.8000e-004	4.7000e-004	7.2000e-004	1.1900e-003	5.0000e-005	7.2000e-004	7.7000e-004	0.0000	33.2289	33.2289	0.0107	0.0000	33.4953

681 E Trimble/Seely, San Jose - Building 2 Construction - Santa Clara County, Annual

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

2025	0.0344	0.3692	0.6579	1.1000e-003	0.0000	2.9200e-003	2.9200e-003	0.0000	2.9200e-003	2.9200e-003	0.0000	95.8713	95.8713	0.0297	0.0000	96.6145
2026	3.1648	0.6537	1.1244	1.8100e-003	0.0000	3.8500e-003	3.8500e-003	0.0000	3.8500e-003	3.8500e-003	0.0000	156.3604	156.3604	0.0163	0.0000	156.7683
Maximum	**3.1648**	**0.6537**	**1.1244**	**1.8100e-003**	**4.7000e-004**	**3.8500e-003**	**3.8500e-003**	**5.0000e-005**	**3.8500e-003**	**3.8500e-003**	**0.0000**	**156.3604**	**156.3604**	**0.0297**	**0.0000**	**156.7683**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**3.56**	**22.42**	**-18.82**	**0.00**	**54.81**	**88.49**	**87.96**	**54.55**	**87.93**	**87.87**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**10-1-2024**	**12-31-2024**	0.1503	0.1263
2	**1-1-2025**	**3-31-2025**	0.1621	0.0952
3	**4-1-2025**	**6-30-2025**	0.1639	0.0962
4	**7-1-2025**	**9-30-2025**	0.1657	0.0973
5	**10-1-2025**	**12-31-2025**	0.1782	0.1096
6	**1-1-2026**	**3-31-2026**	1.2928	1.1999
7	**4-1-2026**	**6-30-2026**	1.1433	1.1170
8	**7-1-2026**	**9-30-2026**	1.1559	1.1293
		Highest	1.2928	1.1999

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	10/1/2024	10/29/2024	5	21	
2	Trenching	Grading	10/31/2024	11/28/2024	5	21	
3	Building Construction	Building Construction	11/30/2024	3/31/2026	5	347	
4	Architectural Coating	Architectural Coating	12/31/2025	10/29/2026	5	217	

681 E Trimble/Seely, San Jose - Building 2 Construction - Santa Clara County, Annual

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

5	Paving	Paving	10/31/2026	11/13/2026	5	10	

Acres of Grading (Site Preparation Phase): 1.97

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 824,416; Residential Outdoor: 274,805; Non-Residential Indoor: 66,623; Non-Residential Outdoor: 22,208; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	5	5.50	78	0.48
Paving	Cement and Mortar Mixers	0	0.00	9	0.56
Site Preparation	Bore/Drill Rigs	2	8.00	221	0.50
Building Construction	Cranes	1	7.80	231	0.29
Building Construction	Forklifts	2	5.90	89	0.20
Building Construction	Generator Sets	0	0.00	84	0.74
Trenching	Graders	0	0.00	187	0.41
Site Preparation	Graders	1	1.50	187	0.41
Paving	Pavers	1	2.40	130	0.42
Paving	Paving Equipment	1	2.40	132	0.36
Paving	Rollers	2	2.40	80	0.38
Trenching	Excavators	1	1.90	158	0.38
Trenching	Rubber Tired Dozers	0	0.00	247	0.40
Site Preparation	Scrapers	0	0.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Architectural Coating	Aerial Lifts	1	2.20	63	0.31
Trenching	Tractors/Loaders/Backhoes	2	6.70	97	0.37
Paving	Tractors/Loaders/Backhoes	1	2.40	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	1.50	97	0.37

681 E Trimble/Seely, San Jose - Building 2 Construction - Santa Clara County, Annual

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

Building Construction	Welders	1	1.60	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	6	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	4	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	4	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0400e-003	0.0000	1.0400e-003	1.1000e-004	0.0000	1.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4200e-003	0.0512	0.0507	2.2000e-004		1.7200e-003	1.7200e-003		1.5800e-003	1.5800e-003	0.0000	19.2469	19.2469	6.2200e-003	0.0000	19.4025
Total	**5.4200e-003**	**0.0512**	**0.0507**	**2.2000e-004**	**1.0400e-003**	**1.7200e-003**	**2.7600e-003**	**1.1000e-004**	**1.5800e-003**	**1.6900e-003**	**0.0000**	**19.2469**	**19.2469**	**6.2200e-003**	**0.0000**	**19.4025**

681 E Trimble/Seely, San Jose - Building 2 Construction - Santa Clara County, Annual

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

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.7000e-004	0.0000	4.7000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.6400e-003	0.0592	0.1185	2.2000e-004		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	19.2469	19.2469	6.2200e-003	0.0000	19.4025
Total	**3.6400e-003**	**0.0592**	**0.1185**	**2.2000e-004**	**4.7000e-004**	**3.6000e-004**	**8.3000e-004**	**5.0000e-005**	**3.6000e-004**	**4.1000e-004**	**0.0000**	**19.2469**	**19.2469**	**6.2200e-003**	**0.0000**	**19.4025**

681 E Trimble/Seely, San Jose - Building 2 Construction - Santa Clara County, Annual

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

Mitigated Construction Off-Site

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

3.3 Trenching - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9800e-003	0.0290	0.0475	7.0000e-005		1.3400e-003	1.3400e-003		1.2300e-003	1.2300e-003	0.0000	5.9521	5.9521	1.9300e-003	0.0000	6.0003
Total	**2.9800e-003**	**0.0290**	**0.0475**	**7.0000e-005**	**0.0000**	**1.3400e-003**	**1.3400e-003**	**0.0000**	**1.2300e-003**	**1.2300e-003**	**0.0000**	**5.9521**	**5.9521**	**1.9300e-003**	**0.0000**	**6.0003**

681 E Trimble/Seely, San Jose - Building 2 Construction - Santa Clara County, Annual

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

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3800e-003	0.0295	0.0510	7.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	5.9521	5.9521	1.9300e-003	0.0000	6.0003
Total	**1.3800e-003**	**0.0295**	**0.0510**	**7.0000e-005**	**0.0000**	**1.1000e-004**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**1.1000e-004**	**0.0000**	**5.9521**	**5.9521**	**1.9300e-003**	**0.0000**	**6.0003**

Mitigated Construction Off-Site

681 E Trimble/Seely, San Jose - Building 2 Construction - Santa Clara County, Annual

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

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

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.6100e-003	0.0550	0.0412	9.0000e-005		2.5000e-003	2.5000e-003		2.3000e-003	2.3000e-003	0.0000	8.0299	8.0299	2.5100e-003	0.0000	8.0925
Total	**5.6100e-003**	**0.0550**	**0.0412**	**9.0000e-005**		**2.5000e-003**	**2.5000e-003**		**2.3000e-003**	**2.3000e-003**	**0.0000**	**8.0299**	**8.0299**	**2.5100e-003**	**0.0000**	**8.0925**

Unmitigated Construction Off-Site

681 E Trimble/Seely, San Jose - Building 2 Construction - Santa Clara County, Annual

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

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.6700e-003	0.0309	0.0551	9.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	8.0299	8.0299	2.5100e-003	0.0000	8.0925
Total	**1.6700e-003**	**0.0309**	**0.0551**	**9.0000e-005**		**2.4000e-004**	**2.4000e-004**		**2.4000e-004**	**2.4000e-004**	**0.0000**	**8.0299**	**8.0299**	**2.5100e-003**	**0.0000**	**8.0925**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

681 E Trimble/Seely, San Jose - Building 2 Construction - Santa Clara County, Annual

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

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0623	0.5957	0.4823	1.1000e-003		0.0266	0.0266		0.0246	0.0246	0.0000	95.2661	95.2661	0.0297	0.0000	96.0083
Total	**0.0623**	**0.5957**	**0.4823**	**1.1000e-003**		**0.0266**	**0.0266**		**0.0246**	**0.0246**	**0.0000**	**95.2661**	**95.2661**	**0.0297**	**0.0000**	**96.0083**

Unmitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Building 2 Construction - Santa Clara County, Annual

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0198	0.3666	0.6535	1.1000e-003		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003	0.0000	95.2660	95.2660	0.0297	0.0000	96.0082
Total	**0.0198**	**0.3666**	**0.6535**	**1.1000e-003**		**2.9100e-003**	**2.9100e-003**		**2.9100e-003**	**2.9100e-003**	**0.0000**	**95.2660**	**95.2660**	**0.0297**	**0.0000**	**96.0082**

Mitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Building 2 Construction - Santa Clara County, Annual

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

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0153	0.1461	0.1183	2.7000e-004		6.5300e-003	6.5300e-003		6.0300e-003	6.0300e-003	0.0000	23.3603	23.3603	7.2800e-003	0.0000	23.5423
Total	**0.0153**	**0.1461**	**0.1183**	**2.7000e-004**		**6.5300e-003**	**6.5300e-003**		**6.0300e-003**	**6.0300e-003**	**0.0000**	**23.3603**	**23.3603**	**7.2800e-003**	**0.0000**	**23.5423**

Unmitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Building 2 Construction - Santa Clara County, Annual

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

Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.8600e-003	0.0899	0.1603	2.7000e-004		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	23.3602	23.3602	7.2800e-003	0.0000	23.5422
Total	**4.8600e-003**	**0.0899**	**0.1603**	**2.7000e-004**		**7.1000e-004**	**7.1000e-004**		**7.1000e-004**	**7.1000e-004**	**0.0000**	**23.3602**	**23.3602**	**7.2800e-003**	**0.0000**	**23.5422**

Mitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Building 2 Construction - Santa Clara County, Annual

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

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

3.5 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0145					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.0000e-004	2.7000e-003	4.3000e-003	1.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	0.6053	0.6053	4.0000e-005	0.0000	0.6063
Total	**0.0149**	**2.7000e-003**	**4.3000e-003**	**1.0000e-005**		**1.2000e-004**	**1.2000e-004**		**1.2000e-004**	**1.2000e-004**	**0.0000**	**0.6053**	**0.6053**	**4.0000e-005**	**0.0000**	**0.6063**

Unmitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Building 2 Construction - Santa Clara County, Annual

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

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0145					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3000e-004	2.5600e-003	4.3700e-003	1.0000e-005		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.6053	0.6053	4.0000e-005	0.0000	0.6063
Total	**0.0146**	**2.5600e-003**	**4.3700e-003**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**0.6053**	**0.6053**	**4.0000e-005**	**0.0000**	**0.6063**

Mitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Building 2 Construction - Santa Clara County, Annual

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

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

3.5 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.1313					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0856	0.5824	0.9277	1.5200e-003		0.0258	0.0258		0.0257	0.0257	0.0000	130.7422	130.7422	8.3000e-003	0.0000	130.9497
Total	**3.2169**	**0.5824**	**0.9277**	**1.5200e-003**		**0.0258**	**0.0258**		**0.0257**	**0.0257**	**0.0000**	**130.7422**	**130.7422**	**8.3000e-003**	**0.0000**	**130.9497**

Unmitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Building 2 Construction - Santa Clara County, Annual

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

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.1313					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0282	0.5525	0.9447	1.5200e-003		3.1000e-003	3.1000e-003		3.1000e-003	3.1000e-003	0.0000	130.7420	130.7420	8.3000e-003	0.0000	130.9496
Total	**3.1595**	**0.5525**	**0.9447**	**1.5200e-003**		**3.1000e-003**	**3.1000e-003**		**3.1000e-003**	**3.1000e-003**	**0.0000**	**130.7420**	**130.7420**	**8.3000e-003**	**0.0000**	**130.9496**

Mitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Building 2 Construction - Santa Clara County, Annual

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

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

3.6 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0900e-003	0.0106	0.0171	3.0000e-005		5.0000e-004	5.0000e-004		4.6000e-004	4.6000e-004	0.0000	2.2582	2.2582	7.3000e-004	0.0000	2.2765
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.0900e-003**	**0.0106**	**0.0171**	**3.0000e-005**		**5.0000e-004**	**5.0000e-004**		**4.6000e-004**	**4.6000e-004**	**0.0000**	**2.2582**	**2.2582**	**7.3000e-004**	**0.0000**	**2.2765**

Unmitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Building 2 Construction - Santa Clara County, Annual

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

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.4000e-004	0.0113	0.0195	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.2582	2.2582	7.3000e-004	0.0000	2.2765
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.4000e-004**	**0.0113**	**0.0195**	**3.0000e-005**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**	**0.0000**	**2.2582**	**2.2582**	**7.3000e-004**	**0.0000**	**2.2765**

Mitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Building 2 Construction - Santa Clara County, Annual

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

Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

681 E Trimble/Seely, San Jose - Building 3 Construction

Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	378.00	Dwelling Unit	2.12	414,015.00	1081
Regional Shopping Center	6.65	1000sqft	0.00	6,653.00	0
Enclosed Parking with Elevator	532.00	Space	0.00	193,575.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2028
Utility Company	San Jose Clean Energy				
CO2 Intensity (lb/MWhr)	178	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SJCE 2020 rate = 178

Land Use - Provided land uses

Construction Phase - Provided Building 3 construction schedule

Off-road Equipment - Provided Building 3 construction equip & hours

Off-road Equipment - Provided Building 3 construction equip & hours

Off-road Equipment - Provided Building 3 construction equip & hours

Off-road Equipment - Provided Building 3 construction equip & hours

Off-road Equipment - Provided Building 3 construction equip & hours

Grading -

Trips and VMT - EMFAC2021 0 trip adjustment, building ext = 1,700 cement truck round trips, paving = 113-cy asphalt

681 E Trimble/Seely, San Jose - Building 3 Construction - Santa Clara County, Annual

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

Construction Off-road Equipment Mitigation - BMPs, Tier 4 interim mitigation

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim

681 E Trimble/Seely, San Jose - Building 3 Construction - Santa Clara County, Annual

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

tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	10.00	171.00
tblConstructionPhase	NumDays	220.00	282.00
tblConstructionPhase	NumDays	6.00	21.00
tblConstructionPhase	NumDays	3.00	21.00
tblConstructionPhase	PhaseEndDate	4/12/2027	11/25/2027
tblConstructionPhase	PhaseEndDate	3/15/2027	6/29/2027
tblConstructionPhase	PhaseEndDate	5/11/2026	5/29/2026
tblConstructionPhase	PhaseEndDate	3/29/2027	12/10/2027
tblConstructionPhase	PhaseEndDate	5/1/2026	4/29/2026
tblConstructionPhase	PhaseStartDate	3/30/2027	4/1/2027
tblConstructionPhase	PhaseStartDate	5/12/2026	5/31/2026
tblConstructionPhase	PhaseStartDate	5/2/2026	5/1/2026
tblConstructionPhase	PhaseStartDate	3/16/2027	11/27/2027
tblConstructionPhase	PhaseStartDate	4/29/2026	4/1/2026
tblLandUse	LandUseSquareFeet	378,000.00	414,015.00
tblLandUse	LandUseSquareFeet	212,800.00	193,575.00
tblLandUse	LotAcreage	9.95	2.12
tblLandUse	LotAcreage	0.15	0.00
tblLandUse	LotAcreage	4.79	0.00
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.31	0.31
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	5.00

681 E Trimble/Seely, San Jose - Building 3 Construction - Santa Clara County, Annual

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	UsageHours	6.00	7.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	7.10
tblOffRoadEquipment	UsageHours	7.00	5.30
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	1.50
tblOffRoadEquipment	UsageHours	8.00	2.40
tblOffRoadEquipment	UsageHours	8.00	2.40
tblOffRoadEquipment	UsageHours	8.00	2.40
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	7.00	6.70
tblOffRoadEquipment	UsageHours	8.00	2.40
tblOffRoadEquipment	UsageHours	7.00	1.50
tblOffRoadEquipment	UsageHours	8.00	1.40
tblProjectCharacteristics	CO2IntensityFactor	807.98	178
tblTripsAndVMT	VendorTripNumber	73.00	0.00
tblTripsAndVMT	WorkerTripNumber	71.00	0.00
tblTripsAndVMT	WorkerTripNumber	356.00	0.00

681 E Trimble/Seely, San Jose - Building 3 Construction - Santa Clara County, Annual

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

tblTripsAndVMT	WorkerTripNumber	8.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2026	0.0412	0.3934	0.3545	8.7000e-004	1.0400e-003	0.0169	0.0180	1.1000e-004	0.0156	0.0157	0.0000	76.0833	76.0833	0.0240	0.0000	76.6840
2027	3.1042	0.8596	1.1623	2.0400e-003	0.0000	0.0382	0.0382	0.0000	0.0372	0.0372	0.0000	175.9363	175.9363	0.0222	0.0000	176.4908
Maximum	**3.1042**	**0.8596**	**1.1623**	**2.0400e-003**	**1.0400e-003**	**0.0382**	**0.0382**	**1.1000e-004**	**0.0372**	**0.0372**	**0.0000**	**175.9363**	**175.9363**	**0.0240**	**0.0000**	**176.4908**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2026	0.0156	0.2838	0.5181	8.7000e-004	4.7000e-004	2.0000e-003	2.4700e-003	5.0000e-005	2.0000e-003	2.0500e-003	0.0000	76.0832	76.0832	0.0240	0.0000	76.6839
2027	3.0270	0.7284	1.2581	2.0400e-003	0.0000	4.4300e-003	4.4300e-003	0.0000	4.4300e-003	4.4300e-003	0.0000	175.9361	175.9361	0.0222	0.0000	176.4906

681 E Trimble/Seely, San Jose - Building 3 Construction - Santa Clara County, Annual

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

Maximum	**3.0270**	**0.7284**	**1.2581**	**2.0400e-003**	**4.7000e-004**	**4.4300e-003**	**4.4300e-003**	**5.0000e-005**	**4.4300e-003**	**4.4300e-003**	**0.0000**	**175.9361**	**175.9361**	**0.0240**	**0.0000**	**176.4906**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**3.27**	**19.23**	**-17.10**	**0.00**	**54.81**	**88.33**	**87.71**	**54.55**	**87.83**	**87.76**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**4-1-2026**	**6-30-2026**	0.1328	0.1220
2	**7-1-2026**	**9-30-2026**	0.1499	0.0878
3	**10-1-2026**	**12-31-2026**	0.1499	0.0878
4	**1-1-2027**	**3-31-2027**	0.1466	0.0858
5	**4-1-2027**	**6-30-2027**	1.5388	1.4446
6	**7-1-2027**	**9-30-2027**	1.4075	1.3737
		Highest	1.5388	1.4446

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2026	4/29/2026	5	21	
2	Trenching	Grading	5/1/2026	5/29/2026	5	21	
3	Building Construction	Building Construction	5/31/2026	6/29/2027	5	282	
4	Architectural Coating	Architectural Coating	4/1/2027	11/25/2027	5	171	
5	Paving	Paving	11/27/2027	12/10/2027	5	10	

Acres of Grading (Site Preparation Phase): 1.97

Acres of Grading (Grading Phase): 0

681 E Trimble/Seely, San Jose - Building 3 Construction - Santa Clara County, Annual

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

Acres of Paving: 0

Residential Indoor: 838,380; Residential Outdoor: 279,460; Non-Residential Indoor: 9,980; Non-Residential Outdoor: 3,327; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	5	7.00	78	0.48
Paving	Cement and Mortar Mixers	0	0.00	9	0.56
Site Preparation	Bore/Drill Rigs	2	8.00	221	0.50
Building Construction	Cranes	1	7.10	231	0.29
Building Construction	Forklifts	2	5.30	89	0.20
Building Construction	Generator Sets	0	0.00	84	0.74
Trenching	Graders	0	0.00	187	0.41
Site Preparation	Graders	1	1.50	187	0.41
Paving	Pavers	1	2.40	130	0.42
Paving	Paving Equipment	1	2.40	132	0.36
Paving	Rollers	1	2.40	80	0.38
Trenching	Excavators	1	1.90	158	0.38
Trenching	Rubber Tired Dozers	0	0.00	247	0.40
Site Preparation	Scrapers	0	0.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Architectural Coating	Aerial Lifts	1	2.80	63	0.31
Trenching	Tractors/Loaders/Backhoes	2	6.70	97	0.37
Paving	Tractors/Loaders/Backhoes	1	2.40	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	1.50	97	0.37
Building Construction	Welders	1	1.40	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class

681 E Trimble/Seely, San Jose - Building 3 Construction - Santa Clara County, Annual

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

Architectural Coating	6	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	4	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	4	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	4	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0400e-003	0.0000	1.0400e-003	1.1000e-004	0.0000	1.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.2900e-003	0.0488	0.0505	2.2000e-004		1.6200e-003	1.6200e-003		1.4900e-003	1.4900e-003	0.0000	19.2448	19.2448	6.2200e-003	0.0000	19.4004
Total	**5.2900e-003**	**0.0488**	**0.0505**	**2.2000e-004**	**1.0400e-003**	**1.6200e-003**	**2.6600e-003**	**1.1000e-004**	**1.4900e-003**	**1.6000e-003**	**0.0000**	**19.2448**	**19.2448**	**6.2200e-003**	**0.0000**	**19.4004**

Unmitigated Construction Off-Site

681 E Trimble/Seely, San Jose - Building 3 Construction - Santa Clara County, Annual

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

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.7000e-004	0.0000	4.7000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.6400e-003	0.0592	0.1185	2.2000e-004		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	19.2447	19.2447	6.2200e-003	0.0000	19.4003
Total	**3.6400e-003**	**0.0592**	**0.1185**	**2.2000e-004**	**4.7000e-004**	**3.6000e-004**	**8.3000e-004**	**5.0000e-005**	**3.6000e-004**	**4.1000e-004**	**0.0000**	**19.2447**	**19.2447**	**6.2200e-003**	**0.0000**	**19.4003**

Mitigated Construction Off-Site

681 E Trimble/Seely, San Jose - Building 3 Construction - Santa Clara County, Annual

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

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

3.3 Trenching - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7400e-003	0.0265	0.0474	7.0000e-005		1.1000e-003	1.1000e-003		1.0100e-003	1.0100e-003	0.0000	5.9569	5.9569	1.9300e-003	0.0000	6.0051
Total	**2.7400e-003**	**0.0265**	**0.0474**	**7.0000e-005**	**0.0000**	**1.1000e-003**	**1.1000e-003**	**0.0000**	**1.0100e-003**	**1.0100e-003**	**0.0000**	**5.9569**	**5.9569**	**1.9300e-003**	**0.0000**	**6.0051**

Unmitigated Construction Off-Site

681 E Trimble/Seely, San Jose - Building 3 Construction - Santa Clara County, Annual

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

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3800e-003	0.0295	0.0510	7.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	5.9569	5.9569	1.9300e-003	0.0000	6.0051
Total	**1.3800e-003**	**0.0295**	**0.0510**	**7.0000e-005**	**0.0000**	**1.1000e-004**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**1.1000e-004**	**0.0000**	**5.9569**	**5.9569**	**1.9300e-003**	**0.0000**	**6.0051**

Mitigated Construction Off-Site

681 E Trimble/Seely, San Jose - Building 3 Construction - Santa Clara County, Annual

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

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

3.4 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0332	0.3181	0.2566	5.8000e-004		0.0142	0.0142		0.0131	0.0131	0.0000	50.8816	50.8816	0.0159	0.0000	51.2786
Total	**0.0332**	**0.3181**	**0.2566**	**5.8000e-004**		**0.0142**	**0.0142**		**0.0131**	**0.0131**	**0.0000**	**50.8816**	**50.8816**	**0.0159**	**0.0000**	**51.2786**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

681 E Trimble/Seely, San Jose - Building 3 Construction - Santa Clara County, Annual

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

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0106	0.1951	0.3486	5.8000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003	0.0000	50.8816	50.8816	0.0159	0.0000	51.2785
Total	**0.0106**	**0.1951**	**0.3486**	**5.8000e-004**		**1.5300e-003**	**1.5300e-003**		**1.5300e-003**	**1.5300e-003**	**0.0000**	**50.8816**	**50.8816**	**0.0159**	**0.0000**	**51.2785**

Mitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Building 3 Construction - Santa Clara County, Annual

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0276	0.2644	0.2133	4.9000e-004		0.0118	0.0118		0.0109	0.0109	0.0000	42.2912	42.2912	0.0132	0.0000	42.6211
Total	**0.0276**	**0.2644**	**0.2133**	**4.9000e-004**		**0.0118**	**0.0118**		**0.0109**	**0.0109**	**0.0000**	**42.2912**	**42.2912**	**0.0132**	**0.0000**	**42.6211**

Unmitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Building 3 Construction - Santa Clara County, Annual

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

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.7900e-003	0.1622	0.2898	4.9000e-004		1.2700e-003	1.2700e-003		1.2700e-003	1.2700e-003	0.0000	42.2912	42.2912	0.0132	0.0000	42.6211
Total	**8.7900e-003**	**0.1622**	**0.2898**	**4.9000e-004**		**1.2700e-003**	**1.2700e-003**		**1.2700e-003**	**1.2700e-003**	**0.0000**	**42.2912**	**42.2912**	**0.0132**	**0.0000**	**42.6211**

Mitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Building 3 Construction - Santa Clara County, Annual

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

Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.9895					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0862	0.5868	0.9348	1.5300e-003		0.0260	0.0260		0.0259	0.0259	0.0000	131.7326	131.7326	8.3700e-003	0.0000	131.9418
Total	**3.0757**	**0.5868**	**0.9348**	**1.5300e-003**		**0.0260**	**0.0260**		**0.0259**	**0.0259**	**0.0000**	**131.7326**	**131.7326**	**8.3700e-003**	**0.0000**	**131.9418**

Unmitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Building 3 Construction - Santa Clara County, Annual

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

Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.9895					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0284	0.5567	0.9518	1.5300e-003		3.1200e-003	3.1200e-003		3.1200e-003	3.1200e-003	0.0000	131.7325	131.7325	8.3700e-003	0.0000	131.9416
Total	**3.0179**	**0.5567**	**0.9518**	**1.5300e-003**		**3.1200e-003**	**3.1200e-003**		**3.1200e-003**	**3.1200e-003**	**0.0000**	**131.7325**	**131.7325**	**8.3700e-003**	**0.0000**	**131.9416**

Mitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Building 3 Construction - Santa Clara County, Annual

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

Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.8000e-004	8.4400e-003	0.0143	2.0000e-005		4.0000e-004	4.0000e-004		3.6000e-004	3.6000e-004	0.0000	1.9125	1.9125	6.2000e-004	0.0000	1.9279
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**8.8000e-004**	**8.4400e-003**	**0.0143**	**2.0000e-005**		**4.0000e-004**	**4.0000e-004**		**3.6000e-004**	**3.6000e-004**	**0.0000**	**1.9125**	**1.9125**	**6.2000e-004**	**0.0000**	**1.9279**

Unmitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Building 3 Construction - Santa Clara County, Annual

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

Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.6000e-004	9.5600e-003	0.0165	2.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	1.9125	1.9125	6.2000e-004	0.0000	1.9279
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.6000e-004**	**9.5600e-003**	**0.0165**	**2.0000e-005**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**	**0.0000**	**1.9125**	**1.9125**	**6.2000e-004**	**0.0000**	**1.9279**

Mitigated Construction Off-Site

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

681 E Trimble/Seely, San Jose - Building 3 Construction - Santa Clara County, Annual

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

Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Operational Criteria Air Pollutants				
Unmitigated	ROG	NOX	Total PM10	Total PM2.5
Year	Tons			
Mobile	2.79	1.79	4.18	1.06
Mobile - EV Reduction	-0.11	-0.04	0.00	0.00
Area	7.24	0.13	0.06	0.06
Energy	0.0003	0.002	0.0002	0.0002
Water	0.00	0.00	0.00	0.00
Waste	0.00	0.00	0.00	0.00
Stationary	0.08	0.23	0.01	0.01
Total	10.00	2.11	4.25	1.13
	Existing Use Emissions			
Total				
	Net Annual Operational Emissions			
Tons/year	10.00	2.11	4.25	1.13
Threshold - Tons/year	**10.0**	**10.0**	**15.0**	**10.0**
	Average Daily Emissions			
Pounds Per Day	**54.82**	11.59	23.31	6.21
Threshold - lbs/day	**54.0**	**54.0**	**82.0**	**54.0**

Mitigated Operational Criteria Air Pollutants				
Unmitigated	ROG	NOX	Total PM10	Total PM2.5
Year	Tons			
Mobile	2.79	1.79	4.18	1.06
Mobile - EV Reduction	-0.11	-0.04	0.00	0.00
Area	6.22	0.13	0.06	0.06
Energy	0.0003	0.002	0.0002	0.0002
Water	0.00	0.00	0.00	0.00
Waste	0.00	0.00	0.00	0.00
Stationary	0.08	0.23	0.01	0.01
Total	8.98	2.11	4.25	1.13
	Existing Use Emissions			
Total				
	Net Annual Operational Emissions			
Tons/year	8.98	2.11	4.25	1.13
Threshold - Tons/year	**10.0**	**10.0**	**15.0**	**10.0**
	Average Daily Emissions			
Pounds Per Day	**49.22**	11.59	23.31	6.21
Threshold - lbs/day	**54.0**	**54.0**	**82.0**	**54.0**

Category	**CO2e**			
	Project	Existing	Project 2030	Existing
Area	18.36			
Energy	1112.46			
Mobile	3888.60			
Stationary	38.40			
Waste	351.99			
Water	121.43			
TOTAL	5531.24	0.00	0.00	0.00
Net GHG Emissions		5531.24		0.00
Service Population	4292			
Per Capita Emissions		1.29		0.00
	1475	units		
CA DOF 2021 =	2.91	pphh		

Traffic Consultant Trip Gen							CalEEMod Default			
Land Use			Size	Daily Trips	New Trips	Weekday Trip Gen	Weekday		Sat	Sun
Apartments Mid Rise + Affordable Housing	DU		1321	6045	4099	***3.10***		5.44	4.91	4.09
							Rev		***2.80***	***2.33***
Condo/Townhouse	DU		154	1109	882	***5.73***		7.32	8.14	6.28
Residential/Retail Internal Capture Reduction		15%		*-165*			*Rev*		***6.37***	***4.91***
Location-Based Vehicle Mode Share Reduction		12%		*-839*						
Project-Specific Trip Reduction		19%		*-1169*						
			1475	Total	4981					
Regional Shopping Center	KSF		22.197	1100	683	***30.77***		37.75	46.12	21.1
Residential/Retail Internal Capture Reduction		15%		*-165*			*Rev*		***37.59***	***17.20***
Location-Based Vehicle Mode Share Reduction		12%		*-112*						
Retail Pass-By External Trip Reduction				*-140*						

Trip Generation Estimates for the Seely Avenue Residential Mixed-Use Project (Preferred Alternative)

				AM Peak Hour				PM Peak Hour			
Land Use	Size	Daily Rate	Daily Trips	Pk-Hr Rate	In	Out	Total	Pk-Hr Rate	In	Out	Total
Multifamily Housing (Mid-Rise) [1]	1,143 DU	4.54	5,189	0.37	97	326	423	0.39	272	174	446
Affordable Housing [1]	178 DU	4.81	856	0.36	19	45	64	0.46	48	34	82
Single-Family Attached Housing [1]	154 DU	7.20	1,109	0.48	23	51	74	0.57	50	38	88
Residential & Retail Internal Capture [3]			*(165)*		*(3)*	*(4)*	*(7)*		*(10)*	*(10)*	*(20)*
Location-Based Vehicle Mode Share (12%) [4]			*(839)*		*(16)*	*(50)*	*(66)*		*(43)*	*(28)*	*(71)*
Project-Specific Trip Reduction (19%) [5]			*(1,169)*		*(23)*	*(70)*	*(93)*		*(60)*	*(40)*	*(100)*
Net Residential Trips:			**4,981**		**97**	**298**	**395**		**257**	**168**	**425**
Retail [2]	20,197 SF	54.45	1,100	2.36	29	19	48	6.59	67	66	133
Residential & Retail Internal Capture (15%) [3]			*(165)*		*(4)*	*(3)*	*(7)*		*(10)*	*(10)*	*(20)*
Location-Based Vehicle Mode Share (12%) [4]			*(112)*		*(3)*	*(2)*	*(5)*		*(7)*	*(7)*	*(14)*
Retail Pass-By External Trip Reduction [6]			*(140)*		*0*	*0*	*0*		*(17)*	*(17)*	*(34)*
Net Retail Trips:			**683**		**22**	**14**	**36**		**33**	**32**	**65**
Total Net Project Trips:			**5,664**		**119**	**312**	**431**		**290**	**200**	**490**

Notes:

1 Trip generation for the residential component of the project based on average rates contained in the *ITE Trip Generation Manual, 11th Edition*, for Multifamily Housing Mid-Rise (Land Use 221), Affordable Housing (Land Use 223), and Single-Family Attached Housing (Land Use 215) located in a General Urban/Suburban setting. Rates are expressed in trips per dwelling unit (DU).

2 Trip generation for the retail component of the project based on average rates contained in the *ITE Trip Generation Manual, 11th Edition*, for Strip Retail Plaza <40 ksf (Land Use 822) located in a General Urban/Suburban setting. Rates are expressed in trips per 1,000 square feet (SF).

3 A 15% residential/retail internal mixed-use trip reduction was applied to the project per the 2014 Santa Clara VTA TIA Guidelines. The 15% reduction was first applied to the smaller generator (retail). The same number of trips were subtracted from the larger generator (residential) to account for both trip ends.

4 A 12% reduction was applied to the residential and retail components of the project based on the location-based vehicle mode share percentage outputs (Table 6 of the TA Handbook) produced from the San Jose Travel Demand Model for the place type: Suburban with Multifamily Housing.

5 A 19% trip reduction was applied to the residential component of the project based on the external trip adjustments obtained from the City's VMT Evaluation Tool. This trip reduction reflects the multi-modal infrastructure improvements and TDM measures being proposed by the project to reduce the project VMT impact to a less-than-significant level. It is assumed that every percent reduction in VMT per capita is equivalent to one percent reduction in peak-hour vehicle trips.

6 The PM peak hour pass-by trip reduction percentage (34% for Shopping Center) was based on the ITE Trip Generation Handbook (Third Edition). There is no AM peak hour pass-by trip reduction. The daily pass-by trip reduction (17%) was calculated based on the average of the AM and PM pass-by trip reduction percentages.

ROG Adjustment for 2028
Santa Clara County

	Population (All)	Population (EV)	Default % EV	ACC Phase II % Requirements	Adjusted EV
1984	616.2979058	0	0%		0
1985	755.7912228	0	0%		0
1986	897.7842611	0	0%		0
1987	975.8820925	0	0%		0
1988	958.0064102	0	0%		0
1989	1215.94779	0	0%		0
1990	1405.826363	0	0%		0
1991	1550.548935	0	0%		0
1992	1384.774538	0	0%		0
1993	1626.259649	0	0%		0
1994	1968.282665	0	0%		0
1995	2592.190195	0	0%		0
1996	2764.147646	0	0%		0
1997	3834.466006	0	0%		0
1998	4513.568807	0.477449283	0%		0.477449
1999	5817.29552	1.470936913	0%		1.470937
2000	7768.49665	0.505797884	0%		0.505798
2001	8566.455644	0.26724024	0%		0.26724
2002	8724.869025	2.237125921	0%		2.237126
2003	9448.259717	0.691452042	0%		0.691452
2004	11148.5446	0	0%		0
2005	12824.80687	0.190877201	0%		0.190877
2006	15416.68275	0	0%		0
2007	17798.41605	0.245271644	0%		0.245272
2008	17382.70983	14.7321934	0%		14.73219
2009	13261.85247	0	0%		0
2010	18019.54874	12.83116377	0%		12.83116
2011	22220.78457	210.4043367	1%		210.4043
2012	30615.97579	507.6455945	2%		507.6456
2013	40526.76488	1313.921774	3%		1313.922
2014	44617.83507	1539.539372	3%		1539.539
2015	57438.15317	1848.66837	3%		1848.668
2016	62608.66962	3410.112095	5%		3410.112
2017	74869.56138	6914.009853	9%		6914.01
2018	81807.82219	13278.07908	16%		13278.08
2019	67210.64003	9540.046475	14%		9540.046
2020	54385.87829	4140.30448	8%		4140.304
2021	66443.92468	5894.429686	9%		5894.43
2022	78332.32122	7777.38304	10%		7777.383
2023	80250.79763	8400.194845	10%		8400.195
2024	81277.89824	9090.572879	11%		9090.573
2025	82385.14496	9601.38817	12%		9601.388
2026	82542.20952	8773.385641	11%	0.35	28889.77
2027	81992.83399	9087.428906	11%	0.43	35256.92
2028	71731.00912	8253.711282	12%	0.51	36582.81
Sum	1,334,496	109,615			184,230
		8%			14%
					6%
		7%	Greater EV Penetration		

EMFAC2021 Emissions			
ROG	67%	LDA	4%
NOx	32%	LDA	2%

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: County
Region: Santa Clara
Calendar Year: 2028
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Total	6691120.617	5.244338856	0.763126656	2.368670404	8.376135916	2.550819	6.746819
Light	4912737.08	1.467717762	0	1.184151107	2.651868869	1.637426	4.503731
Percent	73%	28%	0%	50%	32%	64%	67%
					NOx		ROG

Region	Calendar Y€	Vehicle Cat	Model Yea	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips	Energy Consump	NOx_RUNEX	NOx_IDLEX	NOx_STREX	NOx_TOTEX	ROG_STRE	ROG_TOTE	ROG_DIUR	ROG_HOTS	ROG_RUNL	ROG_TOTA	TOG_RUNE	TOG_IDLEX
Santa Clara	2028	HHDT	Aggregate	Aggregate	Gasoline	1.47083478	154.3030105	154.3030105	0	29.42846227	0	0.000537628	0	2.59501E-05	0.000563579	5.26E-08	9.26E-05	8.89E-06	2.82E-06	2.53E-05	0.00013	0.000135	0
Santa Clara	2028	HHDT	Aggregate	Aggregate	Diesel	9119.07892	1024317.446	1024317.446	0	134474.3376	0	1.862734952	0.571176557	0.435819769	2.869731278	0	0.067302	0	0	0	0.067302	0.018793	0.057825
Santa Clara	2028	HHDT	Aggregate	Aggregate	Electricity	270.954005	28275.15131	0	28275.15131	3483.700255	52140.45009	0	0	0	0	0	0	0	0	0	0	0	0
Santa Clara	2028	HHDT	Aggregate	Aggregate	Natural Ga	909.88698	57673.44076	57673.44076	0	8080.239508	0	0.053739089	0.012095727	0	0.065834816	0	0.002898	0	0	0	0.002898	0.125064	0.032469
Santa Clara	2028	LDA	Aggregate	Aggregate	Gasoline	600154.656	21978504.63	21978504.63	0	2786673.046	0	0.732960252	0	0.667704709	1.400664961	0.772877	0.916082	0.850076	0.234982	0.643952	2.645093	0.208965	0
Santa Clara	2028	LDA	Aggregate	Aggregate	Diesel	1207.84831	34499.51948	34499.51948	0	5156.172328	0	0.004501758	0	0	0.004501758	0	0.000726	0	0	0	0.000726	0.000826	0
Santa Clara	2028	LDA	Aggregate	Aggregate	Electricity	69984.6371	2868125.206	0	2868125.206	336272.3496	1107333.049	0	0	0	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDA	Aggregate	Aggregate	Plug-in Hyb	22751.9262	936162.085	430803.1768	505358.9082	94079.21473	152633.4524	0.003116118	0	0.011978942	0.015095061	0.01797	0.019318	0.012353	0.004313	0.004789	0.040773	0.001966	0
Santa Clara	2028	LDT1	Aggregate	Aggregate	Gasoline	49081.0099	1563538.266	1563538.266	0	218519.1405	0	0.145305196	0	0.073666706	0.218971902	0.095671	0.125981	0.122366	0.032654	0.094042	0.375044	0.044229	0
Santa Clara	2028	LDT1	Aggregate	Aggregate	Diesel	3.3764189	51.57305301	51.57305301	0	9.619959751	0	6.2719E-05	0	0	6.2719E-05	0	1.52E-05	0	0	0	1.52E-05	1.73E-05	0
Santa Clara	2028	LDT1	Aggregate	Aggregate	Electricity	344.716748	14328.80602	0	14328.80602	1657.810379	5532.101746	0	0	0	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDT1	Aggregate	Aggregate	Plug-in Hyb	210.972342	9240.009417	3862.243445	5377.765972	872.3706358	1624.245607	2.79367E-05	0	0.000111077	0.000139014	0.000167	0.000179	6.39E-05	2.21E-05	1.91E-05	0.000284	1.76E-05	0
Santa Clara	2028	LDT2	Aggregate	Aggregate	Gasoline	306289.622	10804407.3	10804407.3	0	1428230.323	0	0.579816887	0	0.428641683	1.00845857	0.475527	0.57129	0.430057	0.112263	0.322175	1.435785	0.139736	0
Santa Clara	2028	LDT2	Aggregate	Aggregate	Diesel	1124.63424	40163.41313	40163.41313	0	5296.189892	0	0.001420583	0	0	0.001420583	0	0.000544	0	0	0	0.000544	0.000619	0
Santa Clara	2028	LDT2	Aggregate	Aggregate	Electricity	3966.16594	128586.5393	0	128586.5393	19886.52116	49645.01701	0	0	0	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDT2	Aggregate	Aggregate	Plug-in Hyb	3889.79971	160537.4754	69997.62196	90539.8534	16084.32179	27345.73425	0.000506312	0	0.002047989	0.002554301	0.003072	0.003291	0.001303	0.000458	0.000416	0.005469	0.000319	0
Santa Clara	2028	LHDT1	Aggregate	Aggregate	Gasoline	19758.1764	736964.0424	736964.0424	0	294367.389	0	0.086035046	0.000701584	0.178749436	0.265486067	0.04432	0.071688	0.051363	0.012295	0.07261	0.207957	0.028199	0.011737
Santa Clara	2028	LHDT1	Aggregate	Aggregate	Diesel	11024.6905	426298.0601	426298.0601	0	138676.7372	0	0.45553493	0.019135182	0	0.474670113	0	0.064406	0	0	0	0.064406	0.071803	0.001519
Santa Clara	2028	LHDT1	Aggregate	Aggregate	Electricity	1021.23389	60968.04446	0	60968.04446	14299.84153	39934.4452	0	0	0	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LHDT2	Aggregate	Aggregate	Gasoline	2498.39068	89760.81805	89760.81805	0	37222.29854	0	0.009679935	8.63859E-05	0.022309098	0.032075419	0.005307	0.007773	0.006296	0.001474	0.008522	0.024065	0.002152	0.001446
Santa Clara	2028	LHDT2	Aggregate	Aggregate	Diesel	5257.64994	198606.7634	198606.7634	0	66134.62211	0	0.189380356	0.009127464	0	0.19850782	0	0.029908	0	0	0	0.029908	0.033324	0.000724
Santa Clara	2028	LHDT2	Aggregate	Aggregate	Electricity	258.907678	14761.07055	0	14761.07055	3434.170837	9521.709313	0	0	0	0	0	0	0	0	0	0	0	0
Santa Clara	2028	MCY	Aggregate	Aggregate	Gasoline	29377.6579	168474.0032	168474.0032	0	58755.31584	0	0.097627382	0	0.007283745	0.104911127	0.077421	0.251039	0.123514	0.230465	0.245311	0.85033	0.211665	0
Santa Clara	2028	MDV	Aggregate	Aggregate	Gasoline	168553.508	5803821.565	5803821.565	0	781481.4355	0	0.392071643	0	0.272110757	0.6641824	0.312298	0.376866	0.274213	0.069288	0.207122	0.927488	0.094218	0
Santa Clara	2028	MDV	Aggregate	Aggregate	Diesel	2426.78477	81862.86931	81862.86931	0	11233.79404	0	0.002943047	0	0	0.002943047	0	0.000818	0	0	0	0.000818	0.000932	0
Santa Clara	2028	MDV	Aggregate	Aggregate	Electricity	4086.68444	132418.1639	0	132418.1639	20489.54692	51124.34032	0	0	0	0	0	0	0	0	0	0	0	0
Santa Clara	2028	MDV	Aggregate	Aggregate	Plug-in Hyb	2378.28799	95173.33521	41647.22465	53526.11055	9834.220847	16166.48072	0.000301246	0	0.001252174	0.00155342	0.001878	0.002009	0.000937	0.000323	0.000326	0.003595	0.00019	0
Santa Clara	2028	MH	Aggregate	Aggregate	Gasoline	2135.932	20452.38386	20452.38386	0	213.6786372	0	0.005985435	0	0.000104429	0.006089864	3.36E-05	0.000858	0.00865	0.002143	5.2E-05	0.011703	0.001203	0
Santa Clara	2028	MH	Aggregate	Aggregate	Diesel	1038.17217	9908.829938	9908.829938	0	103.8172172	0	0.039421947	0	0	0.039421947	0	0.001187	0	0	0	0.001187	0.001351	0
Santa Clara	2028	MHDT	Aggregate	Aggregate	Gasoline	1401.23397	72189.24736	72189.24736	0	28035.8892	0	0.019298192	0.000121378	0.011576308	0.030995878	0.006933	0.011479	0.003274	0.000765	0.00637	0.021888	0.004334	0.0023
Santa Clara	2028	MHDT	Aggregate	Aggregate	Diesel	10803.0783	430729.4798	430729.4798	0	129114.2453	0	0.408617048	0.128169635	0.228861209	0.765647892	0	0.011311	0	0	0	0.011311	0.010064	0.002813
Santa Clara	2028	MHDT	Aggregate	Aggregate	Electricity	455.754173	23641.623	0	23641.623	5888.878929	25808.41912	0	0	0	0	0	0	0	0	0	0	0	0
Santa Clara	2028	MHDT	Aggregate	Aggregate	Natural Ga	123.907996	5444.709533	5444.709533	0	1175.943642	0	0.000628103	0.000863186	0	0.001491289	0	9.68E-05	0	0	0	9.68E-05	0.004658	0.002253
Santa Clara	2028	OBUS	Aggregate	Aggregate	Gasoline	397.114471	16622.09352	16622.09352	0	7945.466334	0	0.00654333	2.62392E-05	0.003433162	0.010002731	0.001602	0.002785	0.001495	0.000311	0.001663	0.006255	0.001249	0.000477
Santa Clara	2028	OBUS	Aggregate	Aggregate	Diesel	1000.42102	63426.65321	63426.65321	0	10301.54556	0	0.07193218	0.007118514	0.016610892	0.095661586	0	0.002929	0	0	0	0.002929	0.002767	0.000568
Santa Clara	2028	OBUS	Aggregate	Aggregate	Electricity	11.1861302	887.4727094	0	887.4727094	223.8120932	983.183972	0	0	0	0	0	0	0	0	0	0	0	0
Santa Clara	2028	OBUS	Aggregate	Aggregate	Natural Ga	10.8367987	704.2664166	704.2664166	0	96.44750857	0	9.21038E-05	1.79972E-05	0	0.000110101	0	9.86E-06	0	0	0	9.86E-06	0.000657	4.7E-05
Santa Clara	2028	SBUS	Aggregate	Aggregate	Gasoline	192.609486	9426.490292	9426.490292	0	770.4379438	0	0.004592663	0.000181451	0.000630227	0.005404341	0.000358	0.003065	0.000442	0.000105	0.00029	0.003902	0.000654	0.003297
Santa Clara	2028	SBUS	Aggregate	Aggregate	Diesel	672.407102	14961.93086	14961.93086	0	9736.454837	0	0.049354098	0.014145006	0.005690221	0.069189326	0	0.000948	0	0	0	0.000948	0.000937	0.000142
Santa Clara	2028	SBUS	Aggregate	Aggregate	Electricity	19.5694243	629.4361187	0	629.4361187	226.2445637	663.0829978	0	0	0	0	0	0	0	0	0	0	0	0
Santa Clara	2028	SBUS	Aggregate	Aggregate	Natural Ga	27.798612	667.4476259	667.4476259	0	402.5239015	0	0.000369281	0.000160348	0	0.000529629	0	4.07E-05	0	0	0	4.07E-05	0.002444	0.000462
Santa Clara	2028	UBUS	Aggregate	Aggregate	Gasoline	46.6273084	4869.278876	4869.278876	0	186.5092335	0	9.72499E-05	0	6.19194E-05	0.000159169	1.95E-05	4.02E-05	1.65E-05	4.65E-06	1.86E-05	8E-05	3.03E-05	0
Santa Clara	2028	UBUS	Aggregate	Aggregate	Diesel	397.790659	44197.61875	44197.61875	0	1591.162635	0	0.018614912	0	0	0.018614912	0	0.003343	0	0	0	0.003343	0.003806	0
Santa Clara	2028	UBUS	Aggregate	Aggregate	Electricity	30.092586	3155.026467	0	3155.026467	120.3703441	5499.981334	0	0	0	0	0	0	0	0	0	0	0	0
Santa Clara	2028	UBUS	Aggregate	Aggregate	Natural Ga	63.2577367	7303.083978	7303.083978	0	253.0309468	0	0.000489295	0	0	0.000489295	0	0.000498	0	0	0	0.000498	0.035593	0

Source: EMFAC2021 (v1.0.2) Emission Rates
Region Type: County
Region: Santa Clara
Calendar Year: 2028
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HOTSOAK and RUNLOSS, g/vehicle/day for IDLEX and DIURN. PHEV calculated based on total VMT.

			Sort by Year			1,334,496	109,615													
Region	Calendar Y	Vehicle Cat	Model Year	Speed	Fuel	Population	Pop EV	Total VMT	CVMT	EVMT	Trips	NOx_RUNE	NOx_IDLEX	NOx_STREX	ROG_RUNI	ROG_IDLEX	ROG_STRE	ROG_HOTS	ROG_RUNL	ROG_DIURN
Santa Clara	2028	HHDT	1984	Aggregate	Diesel	3.304822661		108.814	108.814	0	18.21755	21.75395	28.73645	0	0.409415	2.865067	0	0	0	0
Santa Clara	2028	LDA	1984	Aggregate	Diesel	35.51909132		203.0831	203.0831	0	94.80898	1.323615	0	0	0.320375	0	0	0	0	0
Santa Clara	2028	LDT1	1984	Aggregate	Diesel	1.600713216		21.21851	21.21851	0	4.272688	1.323615	0	0	0.320375	0	0	0	0	0
Santa Clara	2028	LDT2	1984	Aggregate	Diesel	0.515598295		6.834596	6.834596	0	1.376256	1.323615	0	0	0.320375	0	0	0	0	0
Santa Clara	2028	LHDT1	1984	Aggregate	Diesel	9.982422196		137.9287	137.9287	0	125.5663	4.825525	2.596094	0	0.2505	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	1984	Aggregate	Diesel	5.270650456		77.66749	77.66749	0	66.29815	4.825525	2.596094	0	0.2505	0.10976	0	0	0	0
Santa Clara	2028	MDV	1984	Aggregate	Diesel	4.431995104		48.27472	48.27472	0	11.83006	1.323615	0	0	0.320375	0	0	0	0	0
Santa Clara	2028	MHDT	1984	Aggregate	Diesel	1.468627956		39.20342	39.20342	0	11.67165	14.79823	33.69761	0	0.665042	4.785793	0	0	0	0
Santa Clara	2028	OBUS	1984	Aggregate	Diesel	0.171996037		5.752245	5.752245	0	1.530765	15.47286	7.437394	0	2.990857	2.407273	0	0	0	0
Santa Clara	2028	SBUS	1984	Aggregate	Diesel	1.42246E-05		0.000236	0.000236	0	0.000206	14.52463	25.12986	0	0.347998	1.220073	0	0	0	0
Santa Clara	2028	LDA	1984	Aggregate	Gasoline	250.348494		1431.387	1431.387	0	668.2402	1.450359	0	0.721988	0.392591	0	2.074788	1.417724	3.452493	11.39218
Santa Clara	2028	LDT1	1984	Aggregate	Gasoline	72.65904558		963.1436	963.1436	0	193.9444	2.487624	0	1.942636	0.398213	0	2.764145	1.417724	3.452493	11.39218
Santa Clara	2028	LDT2	1984	Aggregate	Gasoline	34.79665349		461.2526	461.2526	0	92.88062	2.495733	0	1.944721	0.493022	0	3.373745	1.417724	3.452493	11.39218
Santa Clara	2028	LHDT1	1984	Aggregate	Gasoline	58.10194814		802.8838	802.8838	0	865.6325	3.377385	0.037801	0	1.918065	0.415898	0.560061	0.24014	1.465061	10.86975
Santa Clara	2028	LHDT2	1984	Aggregate	Gasoline	1.257134509		18.52679	18.52679	0	18.72943	3.377385	0.037801	0	1.918065	0.415898	0.560061	0.24014	1.465061	10.86975
Santa Clara	2028	MCY	1984	Aggregate	Gasoline	91.41303831		81.26324	81.26324	0	182.8261	1.496169	0	0.360303	3.733005	0	3.687017	3.726721	4.592334	9.485503
Santa Clara	2028	MDV	1984	Aggregate	Gasoline	35.92383028		391.294	391.294	0	95.88932	3.208477	0	0.784529	1.001204	0	3.766934	1.417724	3.452493	11.39218
Santa Clara	2028	MH	1984	Aggregate	Gasoline	9.531830047		42.48163	42.48163	0	0.953564	5.367397	0	0.068219	1.990593	0	0.055804	39.31659	0.969358	11.74139
Santa Clara	2028	HHDT	1985	Aggregate	Diesel	5.514362765		181.7831	181.7831	0	30.30772	21.74037	28.75432	0	0.405427	2.858582	0	0	0	0
Santa Clara	2028	LDA	1985	Aggregate	Diesel	37.02416966		223.168	223.168	0	100.9475	1.323615	0	0	0.320375	0	0	0	0	0
Santa Clara	2028	LDT1	1985	Aggregate	Diesel	0.942617571		12.84982	12.84982	0	2.570075	1.323615	0	0	0.320375	0	0	0	0	0
Santa Clara	2028	LDT2	1985	Aggregate	Diesel	1.493808058		20.36367	20.36367	0	4.072912	1.323615	0	0	0.320375	0	0	0	0	0
Santa Clara	2028	LHDT1	1985	Aggregate	Diesel	10.22913824		144.7926	144.7926	0	128.6697	4.825525	2.596094	0	0.2505	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	1985	Aggregate	Diesel	0.872167159		13.12277	13.12277	0	10.97077	4.825525	2.596094	0	0.2505	0.10976	0	0	0	0
Santa Clara	2028	MDV	1985	Aggregate	Diesel	2.74861936		30.91242	30.91242	0	7.494193	1.323615	0	0	0.320375	0	0	0	0	0
Santa Clara	2028	MH	1985	Aggregate	Diesel	1.169255637		5.277187	5.277187	0	0.116926	13.14957	0	0	0.887993	0	0	0	0	0
Santa Clara	2028	MHDT	1985	Aggregate	Diesel	4.144413008		130.4977	130.4977	0	24.3229	15.01099	37.48408	0	0.397309	2.67238	0	0	0	0
Santa Clara	2028	OBUS	1985	Aggregate	Diesel	0.389055498		12.88706	12.88706	0	3.462594	15.47286	7.437394	0	2.990857	2.407273	0	0	0	0
Santa Clara	2028	LDA	1985	Aggregate	Gasoline	324.2905777		1954.703	1954.703	0	884.188	1.078589	0	1.014493	0.310455	0	2.79457	1.386749	3.452493	11.38461
Santa Clara	2028	LDT1	1985	Aggregate	Gasoline	102.8654665		1402.268	1402.268	0	280.4658	2.454052	0	2.214254	0.338766	0	2.847695	1.386749	3.452493	11.38461
Santa Clara	2028	LDT2	1985	Aggregate	Gasoline	22.5702963		307.6795	307.6795	0	61.53859	2.454363	0	2.214138	0.411384	0	3.472733	1.386749	3.452493	11.38461
Santa Clara	2028	LHDT1	1985	Aggregate	Gasoline	70.06429667		991.8537	991.8537	0	1043.854	3.631263	0.037801	0	2.398768	0.415898	0.74799	0.24014	1.465061	10.86975
Santa Clara	2028	LHDT2	1985	Aggregate	Gasoline	0.843896549		12.69868	12.69868	0	12.5728	3.631263	0.037801	0	2.398768	0.415898	0.74799	0.24014	1.465061	10.86975
Santa Clara	2028	MCY	1985	Aggregate	Gasoline	109.3873581		105.1652	105.1652	0	218.7747	1.417603	0	0.391482	3.817518	0	3.16157	3.726721	4.592334	9.485503
Santa Clara	2028	MDV	1985	Aggregate	Gasoline	48.7355674		548.1059	548.1059	0	132.879	2.007799	0	1.792856	0.451378	0	3.971185	1.386749	3.452493	11.38461
Santa Clara	2028	MH	1985	Aggregate	Gasoline	10.83215001		48.88861	48.88861	0	1.083648	5.507778	0	0	1.780578	0	0.509087	39.31659	0.969358	11.74139
Santa Clara	2028	MHDT	1985	Aggregate	Gasoline	1.042539568		9.543322	9.543322	0	20.85913	8.438836	0.079464	0	2.373298	0.874293	0.91284	0.171093	1.541464	10.77515
Santa Clara	2028	OBUS	1985	Aggregate	Gasoline	0.631467053		5.780398	5.780398	0	12.63439	9.280915	0.057982	0.00709	2.555073	0.637937	0.734591	0.180813	0.969358	11.26057
Santa Clara	2028	HHDT	1986	Aggregate	Diesel	9.620907779		346.2601	346.2601	0	51.39848	21.94098	29.34073	0	0.342573	2.763032	0	0	0	0
Santa Clara	2028	LDA	1986	Aggregate	Diesel	5.0514964		32.18176	32.18176	0	14.06246	1.323615	0	0	0.320375	0	0	0	0	0
Santa Clara	2028	LDT1	1986	Aggregate	Diesel	0.623869636		8.746123	8.746123	0	1.736741	1.323615	0	0	0.320375	0	0	0	0	0
Santa Clara	2028	LHDT1	1986	Aggregate	Diesel	11.74715049		170.3389	170.3389	0	147.7644	4.825525	2.596094	0	0.2505	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	1986	Aggregate	Diesel	6.898049349		105.979	105.979	0	86.76878	4.825525	2.596094	0	0.2505	0.10976	0	0	0	0
Santa Clara	2028	MDV	1986	Aggregate	Diesel	2.493173825		28.95129	28.95129	0	6.940547	1.323615	0	0	0.320375	0	0	0	0	0
Santa Clara	2028	MH	1986	Aggregate	Diesel	0.741184202		3.38799	3.38799	0	0.074118	13.14333	0	0	0.882211	0	0	0	0	0
Santa Clara	2028	MHDT	1986	Aggregate	Diesel	5.756853851		183.7312	183.7312	0	34.729	14.99118	37.19843	0	0.411233	2.827656	0	0	0	0
Santa Clara	2028	OBUS	1986	Aggregate	Diesel	0.219528675		7.223808	7.223808	0	1.953805	15.47286	7.437394	0	2.990857	2.407273	0	0	0	0
Santa Clara	2028	LDA	1986	Aggregate	Gasoline	371.3590015		2365.831	2365.831	0	1033.797	1.070528	0	1.01479	0.311608	0	2.788135	1.35705	3.452493	11.37703
Santa Clara	2028	LDT1	1986	Aggregate	Gasoline	150.9901494		2116.754	2116.754	0	420.3294	2.454625	0	2.24603	0.330499	0	2.826595	1.35705	3.452493	11.37703
Santa Clara	2028	LDT2	1986	Aggregate	Gasoline	70.58124878		989.4892	989.4892	0	196.4855	2.453899	0	2.246146	0.403147	0	3.448268	1.35705	3.452493	11.37703
Santa Clara	2028	LHDT1	1986	Aggregate	Gasoline	58.26824883		845.0002	845.0002	0	868.1101	3.933787	0.037801	0	1.892446	0.415898	0.570277	0.24014	1.465061	10.86975
Santa Clara	2028	LHDT2	1986	Aggregate	Gasoline	1.003119445		15.41309	15.41309	0	14.94499	3.933787	0.037801	0	1.892446	0.415898	0.570277	0.24014	1.465061	10.86975
Santa Clara	2028	MCY	1986	Aggregate	Gasoline	120.4960317		124.5732	124.5732	0	240.9921	1.417603	0	0.391482	3.817518	0	3.16157	3.726721	4.592334	9.485503
Santa Clara	2028	MDV	1986	Aggregate	Gasoline	71.99308692		835.9997	835.9997	0	200.4158	1.97037	0	1.794195	0.455699	0	3.948031	1.35705	3.452493	11.37703
Santa Clara	2028	MH	1986	Aggregate	Gasoline	6.738534929		30.80218	30.80218	0	0.674123	2.362268	0	0.770746	0.43395	0	0.276841	39.31659	0.969358	11.74139
Santa Clara	2028	MHDT	1986	Aggregate	Gasoline	2.576251762		23.5828	23.5828	0	51.54565	6.279263	0.079464	0	2.447673	0.874293	0.922176	0.171093	1.541464	10.77515
Santa Clara	2028	OBUS	1986	Aggregate	Gasoline	0.626373601		5.733773	5.733773	0	12.53248	15.80223	0.057982	0.035753	1.965552	0.637937	0.510109	0.180813	0.969358	11.26057
Santa Clara	2028	HHDT	1987	Aggregate	Diesel	9.059008718		300.2495	300.2495	0	49.45893	21.61111	44.2959	0	0.380911	1.656605	0	0	0	0
Santa Clara	2028	LDA	1987	Aggregate	Diesel	28.86829276		194.7716	194.7716	0	82.018	1.323615	0	0	0.320375	0	0	0	0	0
Santa Clara	2028	LHDT1	1987	Aggregate	Diesel	8.687828372		129.0501	129.0501	0	109.282	4.916949	2.596094	0	0.314588	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	1987	Aggregate	Diesel	15.54287189		243.8452	243.8452	0	195.5098	4.916949	2.596094	0	0.314588	0.10976	0	0	0	0
Santa Clara	2028	MDV	1987	Aggregate	Diesel	0.562649699		6.746078	6.746078	0	1.59855	1.323615	0	0	0.320375	0	0	0	0	0
Santa Clara	2028	MH	1987	Aggregate	Diesel	0.543746704		2.517624	2.517624	0	0.054375	13.11552	0	0	0.865957	0	0	0	0	0
Santa Clara	2028	MHDT	1987	Aggregate	Diesel	4.243197193		113.4709	113.4709	0	33.03854	14.86438	37.07492	0	0.611313	1.858345	0	0	0	0
Santa Clara	2028	OBUS	1987	Aggregate	Diesel	1.607097684		52.68163	52.68163	0	14.30317	15.67707	8.097798	0	3.186595	0.97478	0	0	0	0
Santa Clara	2028	SBUS	1987	Aggregate	Diesel	0.000577934		0.009574	0.009574	0	0.008368	14.71633	27.36127	0	0.370772	0.494046	0	0	0	0
Santa Clara	2028	HHDT	1987	Aggregate	Gasoline	0.265211338		3.772336	3.772336	0	5.306348	29.2022	0	0	2.036025	0	0	0.171093	1.541464	10.77515
Santa Clara	2028	LDA	1987	Aggregate	Gasoline	437.4418226		2951.377	2951.377	0	1242.82	1.061329	0	1.015129	0.312923	0	2.780793	1.328548	3.452493	11.36945
Santa Clara	2028	LDT1	1987	Aggregate	Gasoline	150.002536		2162.623	2162.623	0	426.1737	2.42401	0	2.251884	0.323134	0	2.814851	1.328548	3.452493	11.36945
Santa Clara	2028	LDT2	1987	Aggregate	Gasoline	67.30138972		970.3006	970.3006	0	191.2107	2.424025	0	2.251959	0.393791	0	3.433184	1.328548	3.452493	11.36945
Santa Clara	2028	LHDT1	1987	Aggregate	Gasoline	49.88934085		741.1364	741.1364	0	743.2768	4.122367	0.037801	0	2.372899	0.415898	0.673843	0.24014	1.465061	10.86975
Santa Clara	2028	LHDT2	1987	Aggregate	Gasoline	2.838669717		44.53908	44.53908	0	42.29195	4.122367	0.037801	0	2.372899	0.415898	0.673843	0.24014	1.465061	10.86975
Santa Clara	2028	MCY	1987	Aggregate	Gasoline	103.2419687		114.5535	114.5535	0	206.4839	1.417603	0	0.391482	3.817518	0	3.16157	3.726721	4.592334	9.485503
Santa Clara	2028	MDV	1987	Aggregate	Gasoline	79.8104029		956.9137	956.9137	0	226.7501	1.931224	0	1.801198	0.460923	0	3.920037	1.328548	3.452493	11.36945
Santa Clara	2028	MH	1987	Aggregate	Gasoline	12.89958001		59.72688	59.72688	0	1.290474	2.735312	0	0.484672	0.351166	0	0.304125	39.31659	0.969358	11.74139
Santa Clara	2028	MHDT	1987	Aggregate	Gasoline	1.83746513		16.82001	16.82001	0	36.764	7.018835	0.079464	0	2.386703	0.874293	0.936213	0.171093	1.541464	10.77515
Santa Clara	2028	OBUS	1987	Aggregate	Gasoline	1.23843468		11.33653	11.33653	0	24.7786	29.95396	0.057982	0	3.277291	0.637937	0.818695	0.180813	0.969358	11.26057
Santa Clara	2028	HHDT	1988	Aggregate	Diesel	11.21532571		383.3415	383.3415	0	59.78729	21.59544	45.03202	0	0.37177	1.55479	0	0	0	0
Santa Clara	2028	LHDT1	1988	Aggregate	Diesel	6.591422208		100.297	100.297	0	82.9118	4.916949	2.596094	0	0.314588	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	1988	Aggregate	Diesel	17.27029245		276.6929	276.6929	0	217.2386	4.916949	2.596094	0	0.314588	0.10976	0	0	0	0
Santa Clara	2028	MH	1988	Aggregate	Diesel	0.315546496		1.480123	1.480123	0	0.031555	13.10659	0	0	0.858592	0	0	0	0	0
Santa Clara	2028	MHDT	1988	Aggregate	Diesel	7.35999287		228.5021	228.5021	0	49.81533	14.92211	39.12758	0	0.518965	1.417814	0	0	0	0
Santa Clara	2028	OBUS	1988	Aggregate	Diesel	0.422873034		13.84477	13.84477	0	3.76357	15.67707	8.097798	0	3.186595	0.97478	0	0	0	0
Santa Clara	2028	SBUS	1988	Aggregate	Diesel	0.000794004		0.013153	0.013153	0	0.011497	14.71633	27.36127	0	0.370772	0.494046	0	0	0	0
Santa Clara	2028	LDA	1988	Aggregate	Gasoline	425.940559		3048.083	3048.083	0	1234.546	1.052586	0	1.015461	0.314173	0	2.773814	1.301172	3.452493	11.36188
Santa Clara	2028	LDT1	1988	Aggregate	Gasoline	141.7364242		2101.474	2101.474	0	410.8089	2.293094	0	2.179434	0.31638	0	2.797244	1.301172	3.452493	11.36188
Santa Clara	2028	LDT2	1988	Aggregate	Gasoline	109.111735		1617.759	1617.759	0	316.2495	2.293094	0	2.179434	0.385829	0	3.411273	1.301172	3.452493	11.36188
Santa Clara	2028	LHDT1	1988	Aggregate	Gasoline	61.63783778		937.993	937.993	0	918.3119	1.32242	0.037801	0.840679	0.629745	0.415898	0.159661	0.24014	1.465061	10.86975
Santa Clara	2028	LHDT2	1988	Aggregate	Gasoline	1.881385948		30.1453	30.1453	0	28.02985	1.32242	0.037801	0.840679	0.629745	0.415898	0.159661	0.24014	1.465061	10.86975
Santa Clara	2028	MCY	1988	Aggregate	Gasoline	75.95435871		90.02796	90.02796	0	151.9087	1.255007	0	0.329167	3.544382	0	2.687051	3.726721	4.592334	9.485503
Santa Clara	2028	MDV	1988	Aggregate	Gasoline	83.73211275		1036.578	1036.578	0	242.6892	1.950412	0	1.794909	0.458003	0	3.935685	1.301172	3.452493	11.36188
Santa Clara	2028	MH	1988	Aggregate	Gasoline	12.02967888		56.42721	56.42721	0	1.203449	2.728224	0	0.478833	0.347458	0	0.303477	39.31659	0.969358	11.74139
Santa Clara	2028	MHDT	1988	Aggregate	Gasoline	2.806071054		25.68655	25.68655	0	56.14387	2.451121	0.079464	1.038049	0.534091	0.874293	0.27351	0.171093	1.541464	10.77515
Santa Clara	2028	HHDT	1989	Aggregate	Diesel	5.024752608		168.3264	168.3264	0	29.20711	21.88942	42.95071	0	0.310792	1.930894	0	0	0	0
Santa Clara	2028	LDA	1989	Aggregate	Diesel	0.418125028		3.177082	3.177082	0	1.235848	1.323615	0	0	0.320375	0	0	0	0	0
Santa Clara	2028	LHDT1	1989	Aggregate	Diesel	10.09037684		157.2832	157.2832	0	126.9242	4.916949	2.596094	0	0.314588	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	1989	Aggregate	Diesel	11.53091348		188.6723	188.6723	0	145.0444	4.916949	2.596094	0	0.314588	0.10976	0	0	0	0
Santa Clara	2028	MDV	1989	Aggregate	Diesel	0.444223486		5.678184	5.678184	0	1.312987	1.323615	0	0	0.320375	0	0	0	0	0
Santa Clara	2028	MH	1989	Aggregate	Diesel	2.8037099		13.32528	13.32528	0	0.280371	13.09736	0	0	0.85098	0	0	0	0	0
Santa Clara	2028	MHDT	1989	Aggregate	Diesel	7.06134102		204.2667	204.2667	0	56.82088	14.74675	36.54049	0	0.740746	1.974855	0	0	0	0
Santa Clara	2028	OBUS	1989	Aggregate	Diesel	0.319312494		10.46601	10.46601	0	2.841881	15.67707	8.097798	0	3.186595	0.97478	0	0	0	0

Santa Clara	2028	SBUS	1989	Aggregate	Diesel	0.006455637	0.106939	0.106939	0	0.093478	14.71633	27.36127	0	0.370772	0.494046	0	0	0	0
Santa Clara	2028	HHDT	1989	Aggregate	Gasoline	0.161902662	2.302885	2.302885	0	3.239348	0	0	1.194911	4.821696	0	0	0.171093	1.541464	10.77515
Santa Clara	2028	LDA	1989	Aggregate	Gasoline	492.6494733	3743.349	3743.349	0	1456.119	1.039272	0	1.015941	0.316077	0	2.763187	1.274858	3.452493	11.3543
Santa Clara	2028	LDT1	1989	Aggregate	Gasoline	213.9941102	3262.905	3262.905	0	632.5003	1.605675	0	1.525585	0.316331	0	2.797516	1.274858	3.452493	11.3543
Santa Clara	2028	LDT2	1989	Aggregate	Gasoline	137.8842801	2102.41	2102.41	0	407.5432	2.293822	0	2.179407	0.385769	0	3.411605	1.274858	3.452493	11.3543
Santa Clara	2028	LHDT1	1989	Aggregate	Gasoline	79.84746835	1244.743	1244.743	0	1189.608	1.802924	0.037801	0.314855	0.436156	0.415898	0.067096	0.24014	1.465061	10.86975
Santa Clara	2028	LHDT2	1989	Aggregate	Gasoline	2.961736472	48.46568	48.46568	0	44.12546	1.802924	0.037801	0.314855	0.436156	0.415898	0.067096	0.24014	1.465061	10.86975
Santa Clara	2028	MCY	1989	Aggregate	Gasoline	105.7604388	133.7139	133.7139	0	211.5209	1.255007	0	0.329167	3.544382	0	2.687051	3.726721	4.592334	9.485503
Santa Clara	2028	MDV	1989	Aggregate	Gasoline	121.0729636	1547.587	1547.587	0	357.8541	1.970495	0	1.776784	0.464544	0	3.929139	1.274858	3.452493	11.3543
Santa Clara	2028	MH	1989	Aggregate	Gasoline	19.19616148	91.23417	91.23417	0	1.920384	2.716241	0	0.454491	0.34393	0	0.302429	39.31659	0.969358	11.74139
Santa Clara	2028	MHDT	1989	Aggregate	Gasoline	4.06820873	37.24005	37.24005	0	81.39672	2.455434	0.079464	0.985616	0.588413	0.874293	0.601362	0.171093	1.541464	10.77515
Santa Clara	2028	OBUS	1989	Aggregate	Gasoline	0.65183601	5.966854	5.966854	0	13.04193	13.49292	0.057982	2.212475	0.48741	0.637937	0.246203	0.180813	0.969358	11.26057
Santa Clara	2028	HHDT	1990	Aggregate	Diesel	9.968637462	343.5168	343.5168	0	54.90049	21.72298	44.38376	0	0.331243	1.691219	0	0	0	0
Santa Clara	2028	LDA	1990	Aggregate	Diesel	0.378526669	3.056124	3.056124	0	1.140493	1.323615	0	0	0.320375	0	0	0	0	0
Santa Clara	2028	LHDT1	1990	Aggregate	Diesel	13.41097803	214.1461	214.1461	0	168.6932	4.916949	2.596094	0	0.314588	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	1990	Aggregate	Diesel	20.04723455	335.0278	335.0278	0	252.169	4.916949	2.596094	0	0.314588	0.10976	0	0	0	0
Santa Clara	2028	MH	1990	Aggregate	Diesel	1.887457173	9.09062	9.09062	0	0.188746	13.08783	0	0	0.843123	0	0	0	0	0
Santa Clara	2028	MHDT	1990	Aggregate	Diesel	8.573984162	231.2719	231.2719	0	71.89241	14.74204	35.95262	0	0.779134	2.078492	0	0	0	0
Santa Clara	2028	OBUS	1990	Aggregate	Diesel	0.183539298	6.035771	6.035771	0	1.6335	15.67707	8.097798	0	3.186595	0.97478	0	0	0	0
Santa Clara	2028	SBUS	1990	Aggregate	Diesel	0.045771603	0.758217	0.758217	0	0.662773	14.71633	27.36127	0	0.370772	0.494046	0	0	0	0
Santa Clara	2028	HHDT	1990	Aggregate	Gasoline	0.158148018	2.24948	2.24948	0	3.164226	0	0	6.192813	4.704538	0	0	0.171093	1.541464	10.77515
Santa Clara	2028	LDA	1990	Aggregate	Gasoline	647.4096397	5227.015	5227.015	0	1950.632	1.034968	0	1.0161	0.316693	0	2.759752	1.249545	3.452493	11.34672
Santa Clara	2028	LDT1	1990	Aggregate	Gasoline	206.351983	3235.723	3235.723	0	621.7344	1.10533	0	1.059196	0.317588	0	2.790533	1.249545	3.452493	11.34672
Santa Clara	2028	LDT2	1990	Aggregate	Gasoline	171.925109	2695.889	2695.889	0	518.0069	2.255775	0	2.161624	0.387302	0	3.403089	1.249545	3.452493	11.34672
Santa Clara	2028	LHDT1	1990	Aggregate	Gasoline	75.92218451	1212.444	1212.444	0	1131.127	1.801719	0.037801	0.789541	0.570897	0.415898	0.229354	0.24014	1.465061	10.86975
Santa Clara	2028	LHDT2	1990	Aggregate	Gasoline	6.176943928	103.2389	103.2389	0	92.02726	1.801719	0.037801	0.789541	0.570897	0.415898	0.229354	0.24014	1.465061	10.86975
Santa Clara	2028	MCY	1990	Aggregate	Gasoline	91.68625314	123.1648	123.1648	0	183.3725	1.255007	0	0.329167	3.544382	0	2.687051	3.726721	4.592334	9.485503
Santa Clara	2028	MDV	1990	Aggregate	Gasoline	132.2697061	1745.684	1745.684	0	398.526	1.926759	0	1.795755	0.460733	0	3.921053	1.249545	3.452493	11.34672
Santa Clara	2028	MH	1990	Aggregate	Gasoline	14.56862065	70.16731	70.16731	0	1.457445	2.699956	0	0.453938	0.340432	0	0.299617	39.31659	0.969358	11.74139
Santa Clara	2028	MHDT	1990	Aggregate	Gasoline	4.861646403	44.50311	44.50311	0	97.27182	2.42188	0.079464	1.038383	0.602338	0.874293	0.548347	0.171093	1.541464	10.77515
Santa Clara	2028	HHDT	1991	Aggregate	Diesel	9.617587439	338.8321	338.8321	0	51.98088	23.67434	50.11776	0	0.248619	1.303503	0	0	0	0
Santa Clara	2028	LDA	1991	Aggregate	Diesel	2.04941264	17.58839	17.58839	0	6.29225	1.323615	0	0	0.320375	0	0	0	0	0
Santa Clara	2028	LHDT1	1991	Aggregate	Diesel	15.40407297	251.9858	251.9858	0	193.7639	8.681598	2.596094	0	0.404307	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	1991	Aggregate	Diesel	4.45040498	75.97122	75.97122	0	55.9805	8.681598	2.596094	0	0.404307	0.10976	0	0	0	0
Santa Clara	2028	MDV	1991	Aggregate	Diesel	0.365171368	4.976221	4.976221	0	1.121175	1.323615	0	0	0.320375	0	0	0	0	0
Santa Clara	2028	MH	1991	Aggregate	Diesel	4.910902117	23.97295	23.97295	0	0.49109	12.6122	0	0	0.387455	0	0	0	0	0
Santa Clara	2028	MHDT	1991	Aggregate	Diesel	12.2159179	347.185	347.185	0	95.81473	14.28243	41.29937	0	0.359628	1.253129	0	0	0	0
Santa Clara	2028	OBUS	1991	Aggregate	Diesel	0.197554358	6.531291	6.531291	0	1.758234	15.18467	9.012225	0	1.651112	0.671237	0	0	0	0
Santa Clara	2028	LDA	1991	Aggregate	Gasoline	747.5014618	6415.177	6415.177	0	2295.031	1.034953	0	1.0161	0.316695	0	2.75974	1.225177	3.452493	11.33915
Santa Clara	2028	LDT1	1991	Aggregate	Gasoline	268.6594003	4332.368	4332.368	0	824.8569	1.076337	0	1.045333	0.319498	0	2.779922	1.225177	3.452493	11.33915
Santa Clara	2028	LDT2	1991	Aggregate	Gasoline	194.1223094	3130.392	3130.392	0	596.0079	2.196605	0	2.133333	0.389632	0	3.390148	1.225177	3.452493	11.33915
Santa Clara	2028	LHDT1	1991	Aggregate	Gasoline	62.30862595	1019.371	1019.371	0	928.3057	3.192172	0.037914	0.425918	0.623207	0.420791	0.328997	0.24014	1.465061	10.86975
Santa Clara	2028	LHDT2	1991	Aggregate	Gasoline	3.687767418	62.95881	62.95881	0	54.94224	3.192172	0.037914	0.425918	0.623207	0.420791	0.328997	0.24014	1.465061	10.86975
Santa Clara	2028	MCY	1991	Aggregate	Gasoline	103.0959062	146.9777	146.9777	0	206.1918	1.255007	0	0.329167	3.544382	0	2.687051	3.726721	4.592334	9.485503
Santa Clara	2028	MDV	1991	Aggregate	Gasoline	104.7071962	1426.854	1426.854	0	321.4794	1.932724	0	1.795542	0.460045	0	3.924743	1.225177	3.452493	11.33915
Santa Clara	2028	MH	1991	Aggregate	Gasoline	13.7947589	67.34018	67.34018	0	1.380028	2.67922	0	0.452792	0.33689	0	0.29653	39.31659	0.969358	11.74139
Santa Clara	2028	MHDT	1991	Aggregate	Gasoline	2.84456363	26.0389	26.0389	0	56.91403	4.045303	0.079702	0.651966	0.602321	0.884579	0.510473	0.171093	1.541464	10.77515
Santa Clara	2028	OBUS	1991	Aggregate	Gasoline	0.615921746	5.638097	5.638097	0	12.32336	3.95891	0.058155	0.551005	0.527797	0.645442	0.371235	0.180813	0.969358	11.26057
Santa Clara	2028	HHDT	1992	Aggregate	Diesel	12.60949794	478.9739	478.9739	0	66.80133	23.35957	50.9175	0	0.210008	1.279051	0	0	0	0
Santa Clara	2028	LDA	1992	Aggregate	Diesel	2.714041224	24.76185	24.76185	0	8.488327	1.323615	0	0	0.320375	0	0	0	0	0
Santa Clara	2028	LHDT1	1992	Aggregate	Diesel	21.5673074	361.4506	361.4506	0	271.2896	8.681598	2.596094	0	0.404307	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	1992	Aggregate	Diesel	15.89326341	277.1613	277.1613	0	199.9173	8.681598	2.596094	0	0.404307	0.10976	0	0	0	0
Santa Clara	2028	MDV	1992	Aggregate	Diesel	0.34003761	4.784392	4.784392	0	1.063488	1.323615	0	0	0.320375	0	0	0	0	0
Santa Clara	2028	MH	1992	Aggregate	Diesel	4.339482697	21.47424	21.47424	0	0.433948	12.59568	0	0	0.383601	0	0	0	0	0
Santa Clara	2028	MHDT	1992	Aggregate	Diesel	6.7427393	168.8822	168.8822	0	65.17985	13.93425	37.41529	0	0.552386	1.743951	0	0	0	0
Santa Clara	2028	OBUS	1992	Aggregate	Diesel	0.83418326	27.77648	27.77648	0	7.424231	15.18467	9.012225	0	1.651112	0.671237	0	0	0	0
Santa Clara	2028	SBUS	1992	Aggregate	Diesel	0.033707188	0.558368	0.558368	0	0.48808	14.42659	30.45099	0	0.174075	0.340202	0	0	0	0
Santa Clara	2028	LDA	1992	Aggregate	Gasoline	613.7972135	5600.044	5600.044	0	1919.688	1.034971	0	1.0161	0.316692	0	2.759754	1.201701	3.452493	11.33157
Santa Clara	2028	LDT1	1992	Aggregate	Gasoline	209.6019695	3475.988	3475.988	0	655.5427	1.066652	0	1.040713	0.320135	0	2.776385	1.201701	3.452493	11.33157
Santa Clara	2028	LDT2	1992	Aggregate	Gasoline	172.3467033	2858.156	2858.156	0	539.0247	2.176841	0	2.123905	0.390408	0	3.385835	1.201701	3.452493	11.33157
Santa Clara	2028	LHDT1	1992	Aggregate	Gasoline	54.11229316	906.9689	906.9689	0	806.1925	3.190245	0.037914	0.424732	0.620397	0.420791	0.327446	0.24014	1.465061	10.86975
Santa Clara	2028	LHDT2	1992	Aggregate	Gasoline	2.746887741	47.90754	47.90754	0	40.92453	3.190245	0.037914	0.424732	0.620397	0.420791	0.327446	0.24014	1.465061	10.86975
Santa Clara	2028	MCY	1992	Aggregate	Gasoline	94.40244209	142.6652	142.6652	0	188.8049	1.255007	0	0.329167	3.544382	0	2.687051	3.726721	4.592334	9.485503
Santa Clara	2028	MDV	1992	Aggregate	Gasoline	150.2127582	2113.521	2113.521	0	469.7994	1.916887	0	1.796108	0.461873	0	3.914946	1.201701	3.452493	11.33157
Santa Clara	2028	MH	1992	Aggregate	Gasoline	18.62664168	92.17525	92.17525	0	1.863409	2.654034	0	0.451043	0.333232	0	0.30336	39.31659	0.969358	11.74139
Santa Clara	2028	MHDT	1992	Aggregate	Gasoline	3.232210399	29.58739	29.58739	0	64.67007	4.075304	0.079702	0.647307	0.598534	0.884579	0.498295	0.171093	1.541464	10.77515
Santa Clara	2028	OBUS	1992	Aggregate	Gasoline	0.621158622	5.686035	5.686035	0	12.42814	3.949253	0.058155	0.555025	0.529758	0.645442	0.367419	0.180813	0.969358	11.26057
Santa Clara	2028	HHDT	1993	Aggregate	Diesel	3.295767441	83.26349	83.26349	0	22.07341	22.48932	43.27302	0	0.295445	1.937911	0	0	0	0
Santa Clara	2028	LDA	1993	Aggregate	Diesel	0.537686922	5.214565	5.214565	0	1.712452	1.743128	0	0	0.083431	0	0	0	0	0
Santa Clara	2028	LHDT1	1993	Aggregate	Diesel	28.26787217	485.3878	485.3878	0	355.5743	8.681598	2.596094	0	0.404307	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	1993	Aggregate	Diesel	12.08647448	215.348	215.348	0	152.0326	8.681598	2.596094	0	0.404307	0.10976	0	0	0	0
Santa Clara	2028	MH	1993	Aggregate	Diesel	5.924653838	29.72625	29.72625	0	0.592465	12.57868	0	0	0.379633	0	0	0	0	0
Santa Clara	2028	MHDT	1993	Aggregate	Diesel	6.208249715	143.2187	143.2187	0	68.75067	13.70617	34.54069	0	0.698256	2.08693	0	0	0	0
Santa Clara	2028	OBUS	1993	Aggregate	Diesel	4.149835612	139.4024	139.4024	0	36.93354	15.18467	9.012225	0	1.651112	0.671237	0	0	0	0
Santa Clara	2028	SBUS	1993	Aggregate	Diesel	1.178828639	19.52757	19.52757	0	17.06944	14.42659	30.45099	0	0.174075	0.340202	0	0	0	0
Santa Clara	2028	HHDT	1993	Aggregate	Gasoline	0.140896152	2.004091	2.004091	0	2.81905	17.95197	0	0	3.05372	0	0	0.171093	1.541464	10.77515
Santa Clara	2028	LDA	1993	Aggregate	Gasoline	700.2079319	6790.717	6790.717	0	2230.057	1.036079	0	1.017197	0.318036	0	2.771427	1.17907	3.452493	11.32399
Santa Clara	2028	LDT1	1993	Aggregate	Gasoline	277.5581501	4733.665	4733.665	0	883.9811	1.067614	0	1.041638	0.303275	0	2.632426	1.17907	3.452493	11.32399
Santa Clara	2028	LDT2	1993	Aggregate	Gasoline	237.5752735	4051.77	4051.77	0	756.6416	2.178803	0	2.125791	0.388628	0	3.373288	1.17907	3.452493	11.32399
Santa Clara	2028	LHDT1	1993	Aggregate	Gasoline	67.89322087	1165.911	1165.911	0	1011.508	3.184485	0.037914	0.423885	0.617986	0.420791	0.325901	0.24014	1.465061	10.86975
Santa Clara	2028	LHDT2	1993	Aggregate	Gasoline	6.125722709	109.1546	109.1546	0	91.26414	3.184485	0.037914	0.423885	0.617986	0.420791	0.325901	0.24014	1.465061	10.86975
Santa Clara	2028	MCY	1993	Aggregate	Gasoline	100.7939317	160.9527	160.9527	0	201.5879	1.255007	0	0.329167	3.544382	0	2.687051	3.726721	4.592334	9.485503
Santa Clara	2028	MDV	1993	Aggregate	Gasoline	152.9919622	2222.622	2222.622	0	487.2565	1.892822	0	1.796969	0.464651	0	3.900059	1.17907	3.452493	11.32399
Santa Clara	2028	MH	1993	Aggregate	Gasoline	15.05717849	75.54762	75.54762	0	1.50632	2.624708	0	0.448688	0.329329	0	0.300776	39.31659	0.969358	11.74139
Santa Clara	2028	MHDT	1993	Aggregate	Gasoline	5.678431403	51.9799	51.9799	0	113.6141	4.08823	0.079702	0.65128	0.597474	0.884579	0.5073	0.171093	1.541464	10.77515
Santa Clara	2028	OBUS	1993	Aggregate	Gasoline	0.587581403	5.378672	5.378672	0	11.75633	3.913833	0.058155	0.57932	0.530089	0.645442	0.544432	0.180813	0.969358	11.26057
Santa Clara	2028	HHDT	1994	Aggregate	Diesel	11.62484136	358.9087	358.9087	0	67.74667	20.23159	51.86444	0	0.247322	1.199879	0	0	0	0
Santa Clara	2028	LDA	1994	Aggregate	Diesel	0.483088332	4.978581	4.978581	0	1.56624	1.743128	0	0	0.083431	0	0	0	0	0
Santa Clara	2028	LHDT1	1994	Aggregate	Diesel	19.85070019	349.2617	349.2617	0	249.6968	8.689598	2.596094	0	0.403418	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	1994	Aggregate	Diesel	13.09772289	238.461	238.461	0	164.7529	8.689598	2.596094	0	0.403418	0.10976	0	0	0	0
Santa Clara	2028	MDV	1994	Aggregate	Diesel	1.753652137	26.30503	26.30503	0	5.685586	1.743128	0	0	0.083431	0	0	0	0	0
Santa Clara	2028	MH	1994	Aggregate	Diesel	11.90314738	60.56502	60.56502	0	1.190315	12.5183	0	0	0.366569	0	0	0	0	0
Santa Clara	2028	MHDT	1994	Aggregate	Diesel	11.01710911	278.8564	278.8564	0	105.8607	13.92068	42.87664	0	0.550597	1.194703	0	0	0	0
Santa Clara	2028	OBUS	1994	Aggregate	Diesel	0.217306123	7.37533	7.37533	0	1.934024	15.40639	10.28879	0	1.74808	0.465229	0	0	0	0
Santa Clara	2028	SBUS	1994	Aggregate	Diesel	0.424441233	7.030969	7.030969	0	6.145909	14.63724	34.7643	0	0.184299	0.235791	0	0	0	0
Santa Clara	2028	LDA	1994	Aggregate	Gasoline	793.389172	8176.46	8176.46	0	2572.279	1.018579	0	1.043148	0.322558	0	2.795427	1.157238	3.452493	11.31642
Santa Clara	2028	LDT1	1994	Aggregate	Gasoline	324.2142037	5686.383	5686.383	0	1051.148	0.885951	0	0.891633	0.291799	0	2.551404	1.157238	3.452493	11.31642
Santa Clara	2028	LDT2	1994	Aggregate	Gasoline	271.3934021	4759.961	4759.961	0	879.8954	2.139232	0	2.13483	0.373651	0	3.267091	1.157238	3.452493	11.31642
Santa Clara	2028	LHDT1	1994	Aggregate	Gasoline	66.73373876	1174.259	1174.259	0	994.2333	3.181402	0.037914	0.423403	0.615895	0.420791	0.325507	0.24014	1.465061	10.86975
Santa Clara	2028	LHDT2	1994	Aggregate	Gasoline	11.9928141	218.3665	218.3665	0	178.6751	3.181402	0.037914	0.423403	0.615895	0.420791	0.325507	0.24014	1.465061	10.86975
Santa Clara	2028	MCY	1994	Aggregate	Gasoline	115.3918924	194.9014	194.9014	0	230.7838	1.255467	0	0.330652	3.506095	0	2.685557	3.726721	4.592334	9.485503
Santa Clara	2028	MDV	1994	Aggregate	Gasoline	284.2868742	4264.344	4264.344	0	921.6978	1.884801	0	1.797256	0.465577	0	3.895097	1.157238	3.452493	11.31642
Santa Clara	2028	MH	1994	Aggregate	Gasoline	24.1701785	122.9815	122.9815	0	2.417985	2.57632	0	0.354496	0.37247	0	0.311272	39.31659	0.969358	11.74139
Santa Clara	2028	MHDT	1994	Aggregate	Gasoline	4.098878067	37.52079	37.52079	0	82.01035	4.076824	0.079702	0.647663	0.60116	0.884579	0.503225	0.171093	1.541464	10.77515
Santa Clara	2028	OBUS	1994	Aggregate	Gasoline	2.239502868	20.50023	20.50023	0	44.80797	3.854992	0.058155	0.541489	0.515388	0.645442	0.384027	0.180813	0.969358	11.26057
Santa Clara	2028	HHDT	1995	Aggregate	Diesel	8.268322316	273.498	273.498	0	48.32261	19.78373	52.63421	0	0.21392	1.176881	0	0	0	0
Santa Clara	2028	LDA	1995	Aggregate	Diesel	3.631124649	39.74757	39.74757	0	11.98064	1.743128	0	0	0.083431	0	0	0	0	0
Santa Clara	2028	LHDT1	1995	Aggregate	Diesel	45.30649563	816.8816	816.8816	0	569.8987	8.689598	2.596094	0	0.403418	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	1995	Aggregate	Diesel	10.69446423	198.9873	198.9873	0	134.5229	8.689598	2.596094	0	0.403418	0.10976	0	0	0	0
Santa Clara	2028	MDV	1995	Aggregate	Diesel	1.382067453	21.40531	21.40531	0	4.560035	1.743128	0	0	0.083431	0	0	0	0	0

Santa Clara	2028	MH	1995	Aggregate	Diesel	3.945754998		20.36398	20.36398	0	0.394575	12.49718	0	0	0.361743	0	0	0	0	0
Santa Clara	2028	MHDT	1995	Aggregate	Diesel	19.93812032		507.2946	507.2946	0	207.4238	13.79015	40.94527	0	0.624766	1.339205	0	0	0	0
Santa Clara	2028	OBUS	1995	Aggregate	Diesel	1.250392869		42.9338	42.9338	0	11.1285	15.40639	10.28879	0	1.74808	0.465229	0	0	0	0
Santa Clara	2028	SBUS	1995	Aggregate	Diesel	0.966944009		16.01766	16.01766	0	14.00135	14.63724	34.7643	0	0.184299	0.235791	0	0	0	0
Santa Clara	2028	LDA	1995	Aggregate	Gasoline	1073.531695		11751.26	11751.26	0	3542.043	1.010938	0	1.055801	0.324338	0	2.805977	1.136165	3.452493	11.30884
Santa Clara	2028	LDT1	1995	Aggregate	Gasoline	333.7026105		6018.99	6018.99	0	1101.028	0.893108	0	0.912237	0.282769	0	2.481969	1.136165	3.452493	11.30884
Santa Clara	2028	LDT2	1995	Aggregate	Gasoline	406.9533896		7340.214	7340.214	0	1342.714	1.562943	0	1.59642	0.361945	0	3.176928	1.136165	3.452493	11.30884
Santa Clara	2028	LHDT1	1995	Aggregate	Gasoline	139.2898719		2511.665	2511.665	0	2075.212	1.805711	0.040257	0.577203	0.323767	0.455037	0.330993	0.24014	1.465061	10.86975
Santa Clara	2028	LHDT2	1995	Aggregate	Gasoline	24.59109162		457.6017	457.6017	0	366.3706	1.805749	0.040257	0.577199	0.323775	0.455036	0.330993	0.24014	1.465061	10.86975
Santa Clara	2028	MCY	1995	Aggregate	Gasoline	124.975215		222.6093	222.6093	0	249.9504	1.28855	0	0.294487	2.92622	0	2.6818	3.726721	4.592334	9.485503
Santa Clara	2028	MDV	1995	Aggregate	Gasoline	349.5161095		5413.267	5413.267	0	1153.204	1.620929	0	1.54564	0.383466	0	3.208144	1.136165	3.452493	11.30884
Santa Clara	2028	MH	1995	Aggregate	Gasoline	27.60678359		142.4782	142.4782	0	2.761783	2.536905	0	0.341827	0.276571	0	0.307948	39.31659	0.969358	11.74139
Santa Clara	2028	MHDT	1995	Aggregate	Gasoline	15.0485363		146.6455	146.6455	0	301.0911	4.067519	0.079702	0.641927	0.602871	0.884579	0.488414	0.171093	1.541464	10.77515
Santa Clara	2028	OBUS	1995	Aggregate	Gasoline	1.591206297		15.50604	15.50604	0	31.83686	3.85834	0.058155	0.518693	0.518249	0.645442	0.380001	0.180813	0.969358	11.26057
Santa Clara	2028	HHDT	1996	Aggregate	Diesel	9.983597194		344.1483	344.1483	0	57.05128	19.3676	53.20327	0	0.195812	1.15373	0	0	0	0
Santa Clara	2028	LDA	1996	Aggregate	Diesel	1.907755151		22.16823	22.16823	0	6.4038	1.743128	0	0	0.083431	0	0	0	0	0
Santa Clara	2028	LHDT1	1996	Aggregate	Diesel	44.98602964		831.2873	831.2873	0	565.8677	8.689598	2.596094	0	0.403418	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	1996	Aggregate	Diesel	23.41818936		445.386	445.386	0	294.5714	8.689598	2.596094	0	0.403418	0.10976	0	0	0	0
Santa Clara	2028	MDV	1996	Aggregate	Diesel	0.788241564		12.60517	12.60517	0	2.645906	1.743128	0	0	0.083431	0	0	0	0	0
Santa Clara	2028	MH	1996	Aggregate	Diesel	11.28240041		59.07448	59.07448	0	1.12824	12.47548	0	0	0.356787	0	0	0	0	0
Santa Clara	2028	MHDT	1996	Aggregate	Diesel	20.02459496		537.9995	537.9995	0	203.4173	13.73176	41.71193	0	0.594154	1.269338	0	0	0	0
Santa Clara	2028	OBUS	1996	Aggregate	Diesel	1.385443911		48.18192	48.18192	0	12.33045	15.27713	10.28879	0	1.744874	0.465229	0	0	0	0
Santa Clara	2028	SBUS	1996	Aggregate	Diesel	1.833425175		30.37112	30.37112	0	26.548	14.49727	34.7643	0	0.183659	0.235791	0	0	0	0
Santa Clara	2028	LDA	1996	Aggregate	Gasoline	1077.14247		12516.46	12516.46	0	3615.666	1.135667	0	1.413471	0.377175	0	3.497813	0.470704	1.360061	10.54985
Santa Clara	2028	LDT1	1996	Aggregate	Gasoline	387.7731761		7192.869	7192.869	0	1301.646	0.939699	0	1.211158	0.291298	0	2.868739	0.470704	1.360061	10.54985
Santa Clara	2028	LDT2	1996	Aggregate	Gasoline	468.5400566		8691.028	8691.028	0	1572.758	1.644597	0	2.11953	0.372847	0	3.671981	0.470704	1.360061	10.54985
Santa Clara	2028	LHDT1	1996	Aggregate	Gasoline	151.215759		2794.563	2794.563	0	2252.889	0.429334	0.042601	0.744813	0.029312	0.489292	0.335024	0.101267	0.578306	10.1486
Santa Clara	2028	LHDT2	1996	Aggregate	Gasoline	17.69209976		336.5163	336.5163	0	263.5859	0.429334	0.042601	0.744813	0.029312	0.489292	0.335024	0.101267	0.578306	10.1486
Santa Clara	2028	MCY	1996	Aggregate	Gasoline	158.9972934		297.8682	297.8682	0	317.9946	1.285254	0	0.305273	2.980215	0	2.655878	3.727321	4.586857	9.664527
Santa Clara	2028	MDV	1996	Aggregate	Gasoline	349.8056493		5593.92	5593.92	0	1174.2	1.183198	0	1.75132	0.153299	0	1.905313	0.470704	1.360061	10.54985
Santa Clara	2028	MH	1996	Aggregate	Gasoline	22.50878715		117.8557	117.8557	0	2.251779	2.495358	0	0.330837	0.275828	0	0.305043	16.58823	0.381985	10.95903
Santa Clara	2028	MHDT	1996	Aggregate	Gasoline	13.3808988		139.9859	139.9859	0	267.725	4.102203	0.079702	0.648418	0.598905	0.884579	0.494241	0.072134	0.608609	10.07889
Santa Clara	2028	OBUS	1996	Aggregate	Gasoline	1.481779216		15.50181	15.50181	0	29.64744	3.861797	0.058155	0.556002	0.51621	0.645442	0.37152	0.076272	0.381985	10.53051
Santa Clara	2028	HHDT	1997	Aggregate	Diesel	7.193976971		225.0918	225.0918	0	43.76883	19.4996	51.07345	0	0.209896	1.290873	0	0	0	0
Santa Clara	2028	LDA	1997	Aggregate	Diesel	2.373359406		29.25598	29.25598	0	8.102673	1.743128	0	0	0.083431	0	0	0	0	0
Santa Clara	2028	LHDT1	1997	Aggregate	Diesel	87.04784124		1648.799	1648.799	0	1094.952	8.689598	2.596094	0	0.403418	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	1997	Aggregate	Diesel	22.8577826		444.4406	444.4406	0	287.5221	8.689598	2.596094	0	0.403418	0.10976	0	0	0	0
Santa Clara	2028	MH	1997	Aggregate	Diesel	8.353248548		44.38326	44.38326	0	0.835325	12.45322	0	0	0.3517	0	0	0	0	0
Santa Clara	2028	MHDT	1997	Aggregate	Diesel	39.41995494		1042.287	1042.287	0	385.0289	13.50546	42.601	0	0.569561	1.206126	0	0	0	0
Santa Clara	2028	OBUS	1997	Aggregate	Diesel	0.920454184		32.45361	32.45361	0	8.192042	15.01863	10.28879	0	1.738463	0.465229	0	0	0	0
Santa Clara	2028	SBUS	1997	Aggregate	Diesel	7.070015054		117.1165	117.1165	0	102.3738	14.17209	34.7643	0	0.179858	0.235791	0	0	0	0
Santa Clara	2028	LDA	1997	Aggregate	Gasoline	1422.434369		17534.09	17534.09	0	4856.205	0.93699	0	1.336348	0.288781	0	2.860474	0.456589	1.353377	10.11815
Santa Clara	2028	LDT1	1997	Aggregate	Gasoline	456.5271668		8708.65	8708.65	0	1558.588	0.758097	0	1.152834	0.209448	0	2.280965	0.456589	1.353377	10.11815
Santa Clara	2028	LDT2	1997	Aggregate	Gasoline	884.0277839		16863.59	16863.59	0	3018.08	1.353556	0	2.093848	0.26879	0	2.935001	0.456589	1.353377	10.11815
Santa Clara	2028	LHDT1	1997	Aggregate	Gasoline	207.5210461		3931.111	3931.111	0	3091.754	0.429272	0.042601	0.746876	0.029225	0.489292	0.336	0.1	0.575403	9.740758
Santa Clara	2028	LHDT2	1997	Aggregate	Gasoline	26.74284201		520.0327	520.0327	0	398.4285	0.429272	0.042601	0.746876	0.029225	0.489292	0.336	0.1	0.575403	9.740758
Santa Clara	2028	MCY	1997	Aggregate	Gasoline	161.6741594		318.8524	318.8524	0	323.3483	1.286357	0	0.306671	2.972003	0	2.643888	3.74138	4.596117	10.26309
Santa Clara	2028	MDV	1997	Aggregate	Gasoline	446.1906723		7367.287	7367.287	0	1523.299	1.183781	0	1.751644	0.152698	0	1.900132	0.456589	1.353377	10.11815
Santa Clara	2028	MH	1997	Aggregate	Gasoline	34.53054341		183.4709	183.4709	0	3.454436	2.457469	0	0.395346	0.275086	0	0.301942	16.37915	0.38014	10.51657
Santa Clara	2028	MHDT	1997	Aggregate	Gasoline	16.66964613		188.6133	188.6133	0	333.5263	4.079338	0.079702	0.65324	0.592274	0.884579	0.503115	0.071235	0.605546	9.685133
Santa Clara	2028	OBUS	1997	Aggregate	Gasoline	2.911144076		32.93894	32.93894	0	58.24617	3.998868	0.058155	0.556868	0.528833	0.645442	0.371927	0.075314	0.38014	10.11763
Santa Clara	2028	HHDT	1998	Aggregate	Diesel	15.43961547		529.7673	529.7673	0	85.62586	19.41249	57.91507	0	0.204206	0.829194	0	0	0	0
Santa Clara	2028	LDA	1998	Aggregate	Diesel	4.393900027		57.41365	57.41365	0	15.25255	1.743128	0	0	0.083431	0	0	0	0	0
Santa Clara	2028	LHDT1	1998	Aggregate	Diesel	30.50322909		592.3267	592.3267	0	383.6922	8.689598	2.596094	0	0.403418	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	1998	Aggregate	Diesel	14.0005948		278.362	278.362	0	176.1099	8.689598	2.596094	0	0.403418	0.10976	0	0	0	0
Santa Clara	2028	MH	1998	Aggregate	Diesel	10.2066255		55.04484	55.04484	0	1.020663	12.3755	0	0	0.347307	0	0	0	0	0
Santa Clara	2028	MHDT	1998	Aggregate	Diesel	32.60351762		838.8733	838.8733	0	373.2378	11.87428	47.04111	0	0.713878	0.908129	0	0	0	0
Santa Clara	2028	OBUS	1998	Aggregate	Diesel	0.686137067		24.54616	24.54616	0	6.10662	13.64897	12.438	0	1.694969	0.290381	0	0	0	0
Santa Clara	2028	SBUS	1998	Aggregate	Diesel	10.92945726		181.049	181.049	0	158.2585	12.59236	42.02618	0	0.168161	0.147173	0	0	0	0
Santa Clara	2028	LDT1	1998	Aggregate	Electricity	0.477449283	0.47744928	6.764807	0	6.764807	1.65737	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDA	1998	Aggregate	Gasoline	1719.770006		22471.67	22471.67	0	5969.838	0.745661	0	1.24863	0.206328	0	2.256797	0.406503	1.304053	6.980211
Santa Clara	2028	LDT1	1998	Aggregate	Gasoline	600.7383605		11785.01	11785.01	0	2085.343	0.62939	0	1.129907	0.154449	0	1.878504	0.406503	1.304053	6.980211
Santa Clara	2028	LDT2	1998	Aggregate	Gasoline	1066.464708		20921.42	20921.42	0	3702.019	1.151526	0	2.120466	0.198903	0	2.43185	0.406503	1.304053	6.980211
Santa Clara	2028	LHDT1	1998	Aggregate	Gasoline	175.226476		3402.974	3402.974	0	2610.613	0.429454	0.042601	0.748915	0.02919	0.489292	0.335171	0.090651	0.55398	6.731401
Santa Clara	2028	LHDT2	1998	Aggregate	Gasoline	20.72744263		412.1474	412.1474	0	308.808	0.429454	0.042601	0.748915	0.02919	0.489292	0.335171	0.090651	0.55398	6.731401
Santa Clara	2028	MCY	1998	Aggregate	Gasoline	202.5524427		420.146	420.146	0	405.1049	1.286357	0	0.306671	2.973216	0	2.643952	3.74138	4.596117	10.26309
Santa Clara	2028	MDV	1998	Aggregate	Gasoline	570.2451715		9721.8	9721.8	0	1979.492	1.147434	0	2.062798	0.145	0	2.134165	0.406503	1.304053	6.980211
Santa Clara	2028	MH	1998	Aggregate	Gasoline	25.39847222		136.9752	136.9752	0	2.540863	0.216626	0	0.478303	0.014519	0	0.178465	14.83639	0.366529	7.25176
Santa Clara	2028	MHDT	1998	Aggregate	Gasoline	9.628996768		118.377	118.377	0	192.657	4.287341	0.089556	0.608557	0.688561	1.02858	0.528938	0.064596	0.582943	6.779663
Santa Clara	2028	OBUS	1998	Aggregate	Gasoline	2.823605082		34.71285	34.71285	0	56.49469	4.327052	0.065345	0.531817	0.630102	0.750514	0.3972	0.068244	0.366529	7.071099
Santa Clara	2028	SBUS	1998	Aggregate	Gasoline	0.752599258		36.83292	36.83292	0	3.010397	4.604671	0.92653	0.80022	0.495583	10.64152	1.433427	0.35744	1.18597	7.282907
Santa Clara	2028	HHDT	1999	Aggregate	Diesel	13.16568709		543.389	543.389	0	75.61972	21.06341	57.7942	0	0.105879	0.970604	0	0	0	0
Santa Clara	2028	LDA	1999	Aggregate	Diesel	4.778120815		66.12703	66.12703	0	16.86003	1.743128	0	0	0.083431	0	0	0	0	0
Santa Clara	2028	LHDT1	1999	Aggregate	Diesel	110.6835996		2203.856	2203.856	0	1392.26	8.689598	2.596094	0	0.403418	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	1999	Aggregate	Diesel	57.45448671		1168.336	1168.336	0	722.7052	8.689598	2.596094	0	0.403418	0.10976	0	0	0	0
Santa Clara	2028	MDV	1999	Aggregate	Diesel	0.498339339		8.772173	8.772173	0	1.758435	1.743128	0	0	0.083431	0	0	0	0	0
Santa Clara	2028	MH	1999	Aggregate	Diesel	18.39711597		100.7321	100.7321	0	1.839712	12.34868	0	0	0.341997	0	0	0	0	0
Santa Clara	2028	MHDT	1999	Aggregate	Diesel	70.27007057		1797.508	1797.508	0	808.237	13.59657	46.45658	0	0.757925	0.948347	0	0	0	0
Santa Clara	2028	OBUS	1999	Aggregate	Diesel	0.798217715		28.99161	28.99161	0	7.104138	15.61386	12.438	0	1.742915	0.290381	0	0	0	0
Santa Clara	2028	SBUS	1999	Aggregate	Diesel	11.264215		186.5944	186.5944	0	163.1058	14.61971	42.02618	0	0.173517	0.147173	0	0	0	0
Santa Clara	2028	LDT1	1999	Aggregate	Electricity	1.470936913	1.47093691	21.90491	0	21.90491	5.190333	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDA	1999	Aggregate	Gasoline	1903.564649		26344.47	26344.47	0	6716.899	0.56593	0	1.191288	0.12523	0	1.676044	0.391288	1.294209	6.357575
Santa Clara	2028	LDT1	1999	Aggregate	Gasoline	557.9937073		10998.22	10998.22	0	1968.931	0.511828	0	1.13654	0.100633	0	1.497379	0.391288	1.294209	6.357575
Santa Clara	2028	LDT2	1999	Aggregate	Gasoline	1323.763401		26091.76	26091.76	0	4671.018	0.972064	0	2.206368	0.130688	0	1.959617	0.391288	1.294209	6.357575
Santa Clara	2028	LHDT1	1999	Aggregate	Gasoline	267.4257641		5325.33	5325.33	0	3984.245	0.429868	0.042601	0.751184	0.029255	0.489292	0.334478	0.088786	0.549704	6.136469
Santa Clara	2028	LHDT2	1999	Aggregate	Gasoline	48.76570012		991.7487	991.7487	0	726.5363	0.429868	0.042601	0.751184	0.029255	0.489292	0.334478	0.088786	0.549704	6.136469
Santa Clara	2028	MCY	1999	Aggregate	Gasoline	280.3693439		610.1747	610.1747	0	560.7387	1.286357	0	0.306671	2.974354	0	2.644012	3.74138	4.596117	10.26309
Santa Clara	2028	MDV	1999	Aggregate	Gasoline	1042.650137		18353.57	18353.57	0	3679.085	1.125724	0	2.385985	0.139389	0	2.377309	0.391288	1.294209	6.357575
Santa Clara	2028	MH	1999	Aggregate	Gasoline	61.01806195		334.1	334.1	0	6.104247	0.212865	0	0.463809	0.014404	0	0.176358	14.52848	0.363812	6.606886
Santa Clara	2028	MHDT	1999	Aggregate	Gasoline	29.90022916		400.6244	400.6244	0	598.2438	4.300362	0.089556	0.611101	0.686866	1.02858	0.536509	0.063271	0.578432	6.199256
Santa Clara	2028	OBUS	1999	Aggregate	Gasoline	13.06373666		175.0372	175.0372	0	261.3792	4.166445	0.065345	0.522745	0.609124	0.750514	0.400777	0.066833	0.363812	6.462482
Santa Clara	2028	HHDT	2000	Aggregate	Diesel	9.923717554		339.6253	339.6253	0	60.44191	22.05975	55.57786	0	0.169997	0.996158	0	0	0	0
Santa Clara	2028	LDA	2000	Aggregate	Diesel	3.05475427		44.73844	44.73844	0	10.95398	1.743128	0	0	0.083431	0	0	0	0	0
Santa Clara	2028	LHDT1	2000	Aggregate	Diesel	123.9420801		2531.006	2531.006	0	1559.035	8.689598	2.596094	0	0.403418	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	2000	Aggregate	Diesel	47.6978572		992.2642	992.2642	0	599.979	8.689598	2.596094	0	0.403418	0.10976	0	0	0	0
Santa Clara	2028	MH	2000	Aggregate	Diesel	24.96873413		138.8404	138.8404	0	2.496873	12.32119	0	0	0.336557	0	0	0	0	0
Santa Clara	2028	MHDT	2000	Aggregate	Diesel	12.47369319		256.4524	256.4524	0	94.12446	14.29612	57.82362	0	0.178123	0.511893	0	0	0	0
Santa Clara	2028	OBUS	2000	Aggregate	Diesel	1.946954064		71.82384	71.82384	0	17.32789	15.61386	12.438	0	1.742915	0.290381	0	0	0	0
Santa Clara	2028	SBUS	2000	Aggregate	Diesel	29.67530494		491.5784	491.5784	0	429.6984	14.53723	42.02618	0	0.169583	0.147173	0	0	0	0
Santa Clara	2028	LDT1	2000	Aggregate	Electricity	0.505797884	0.50579788	7.916221	0	7.916221	1.813731	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDA	2000	Aggregate	Gasoline	2616.991361		38327.18	38327.18	0	9384.217	0.400489	0	1.138648	0.050639	0	1.141696	0.384704	1.294209	6.353494
Santa Clara	2028	LDT1	2000	Aggregate	Gasoline	585.4543234		11627.8	11627.8	0	2099.369	0.402953	0	1.142335	0.050921	0	1.145291	0.384704	1.294209	6.353494
Santa Clara	2028	LDT2	2000	Aggregate	Gasoline	2053.140362		40777.73	40777.73	0	7362.315	0.805997	0	2.284907	0.067801	0	1.524102	0.384704	1.294209	6.353494
Santa Clara	2028	LHDT1	2000	Aggregate	Gasoline	363.9635163		7433.199	7433.199	0	5422.514	0.430495	0.042601	0.752587	0.029214	0.489292	0.333917	0.088786	0.549704	6.136469
Santa Clara	2028	LHDT2	2000	Aggregate	Gasoline	40.0838268		833.952	833.952	0	597.1893	0.430495	0.042601	0.752587	0.029214	0.489292	0.333917	0.088786	0.549704	6.136469
Santa Clara	2028	MCY	2000	Aggregate	Gasoline	404.8703194		925.119	925.119	0	809.7406	1.286357	0	0.306671	2.975505	0	2.644073	3.74138	4.596117	10.26309
Santa Clara	2028	MDV	2000	Aggregate	Gasoline	1351.127072		24557.01	24557.01	0	4844.98	1.105213	0	2.709264	0.134324	0	2.620186	0.384704	1.294209	6.353494
Santa Clara	2028	MH	2000	Aggregate	Gasoline	59.04037496		328.298	328.298	0	5.906399	0.208932	0	0.479562	0.014304	0	0.174256	14.52848	0.363812	6.606886
Santa Clara	2028	MHDT	2000	Aggregate	Gasoline	31.75516685		464.4507	464.4507	0	635.3574	4.249696	0.089556	0.608338	0.678164	1.02858	0.536165	0.063271	0.578432	6.199256
Santa Clara	2028	OBUS	2000	Aggregate	Gasoline	4.817767747		70.46462	70.46462	0	96.3939	4.055227	0.065345	0.51553	0.593816	0.750514	0.399879	0.066833	0.363812	6.462482

Santa Clara	2028	SBUS	2000	Aggregate	Gasoline	3.063665927		149.9387	149.9387	0	12.25466	4.739171	0.92653	0.816691	0.493036	10.64152	1.473396	0.349974	1.179506	6.652519
Santa Clara	2028	HHDT	2001	Aggregate	Diesel	14.6078411		612.4396	612.4396	0	78.52811	21.48583	59.96163	0	0.12359	0.826819	0	0	0	0
Santa Clara	2028	LDA	2001	Aggregate	Diesel	3.158402533		48.90628	48.90628	0	11.5066	1.743128	0	0	0.083431	0	0	0	0	0
Santa Clara	2028	LHDT1	2001	Aggregate	Diesel	188.540864		3949.607	3949.607	0	2371.607	8.689598	2.596094	0	0.403418	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	2001	Aggregate	Diesel	59.55645379		1267.819	1267.819	0	749.1453	8.689598	2.596094	0	0.403418	0.10976	0	0	0	0
Santa Clara	2028	MH	2001	Aggregate	Diesel	19.72345534		111.4129	111.4129	0	1.972346	12.29306	0	0	0.330987	0	0	0	0	0
Santa Clara	2028	MHDT	2001	Aggregate	Diesel	23.27783974		593.3454	593.3454	0	147.2884	14.28011	61.42732	0	0.161855	0.368528	0	0	0	0
Santa Clara	2028	OBUS	2001	Aggregate	Diesel	0.864896885		32.41434	32.41434	0	7.697582	15.61386	12.438	0	1.742915	0.290381	0	0	0	0
Santa Clara	2028	SBUS	2001	Aggregate	Diesel	9.321122266		154.4066	154.4066	0	134.9699	14.45362	42.02618	0	0.165596	0.147173	0	0	0	0
Santa Clara	2028	LDT1	2001	Aggregate	Electricity	0.26724024	0.26724024	4.39507	0	4.39507	0.973602	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDA	2001	Aggregate	Gasoline	2799.620459		43350.72	43350.72	0	10199.49	0.374767	0	1.070745	0.047721	0	1.091183	0.378463	1.294375	6.359936
Santa Clara	2028	LDT1	2001	Aggregate	Gasoline	681.0258912		13668.27	13668.27	0	2481.093	0.376973	0	1.073995	0.047975	0	1.094431	0.378463	1.294375	6.359936
Santa Clara	2028	LDT2	2001	Aggregate	Gasoline	1990.437606		39948.33	39948.33	0	7251.503	0.754024	0	2.148195	0.063721	0	1.451667	0.378463	1.294375	6.359936
Santa Clara	2028	LHDT1	2001	Aggregate	Gasoline	406.1297011		8508.569	8508.569	0	6050.727	0.431316	0.042601	0.754644	0.029175	0.489292	0.333482	0.088817	0.549776	6.146604
Santa Clara	2028	LHDT2	2001	Aggregate	Gasoline	50.21381454		1069.043	1069.043	0	748.111	0.431316	0.042601	0.754644	0.029175	0.489292	0.333482	0.088817	0.549776	6.146604
Santa Clara	2028	MCY	2001	Aggregate	Gasoline	497.1797504		1191.7	1191.7	0	994.3595	1.286357	0	0.306671	2.976665	0	2.644134	3.744273	4.598022	10.38627
Santa Clara	2028	MDV	2001	Aggregate	Gasoline	1749.003391		32822.22	32822.22	0	6371.917	1.06223	0	2.947414	0.127167	0	2.808915	0.378463	1.294375	6.359936
Santa Clara	2028	MH	2001	Aggregate	Gasoline	35.32545998		199.5447	199.5447	0	3.533959	0.204885	0	0.473032	0.014213	0	0.172222	14.53368	0.363858	6.617882
Santa Clara	2028	MHDT	2001	Aggregate	Gasoline	29.37842189		469.2367	469.2367	0	587.8035	4.292803	0.089556	0.612603	0.681177	1.02858	0.535593	0.063294	0.578509	6.209041
Santa Clara	2028	OBUS	2001	Aggregate	Gasoline	6.87862742		109.8665	109.8665	0	137.6276	3.939343	0.065345	0.507191	0.578242	0.750514	0.397839	0.066857	0.363858	6.472743
Santa Clara	2028	SBUS	2001	Aggregate	Gasoline	1.514391553		74.11575	74.11575	0	6.057566	4.072177	0.92653	0.738319	0.491886	10.64152	1.239933	0.3501	1.179615	6.663146
Santa Clara	2028	HHDT	2001	Aggregate	Natural Ga	0.430014022		27.90913	27.90913	0	1.978065	35.01889	10.09379	0	2.040422	3.549168	0	0	0	0
Santa Clara	2028	HHDT	2002	Aggregate	Diesel	24.27068541		1118.515	1118.515	0	125.1978	20.99621	61.312	0	0.092195	0.808662	0	0	0	0
Santa Clara	2028	LDA	2002	Aggregate	Diesel	6.862921268		112.2539	112.2539	0	25.39597	1.743128	0	0	0.083431	0	0	0	0	0
Santa Clara	2028	LHDT1	2002	Aggregate	Diesel	202.8240192		4359.684	4359.684	0	2551.271	6.689223	2.596094	0	0.312948	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	2002	Aggregate	Diesel	36.91084038		804.2841	804.2841	0	464.2919	6.689223	2.596094	0	0.312948	0.10976	0	0	0	0
Santa Clara	2028	MH	2002	Aggregate	Diesel	22.05161787		126.5788	126.5788	0	2.205162	12.26427	0	0	0.325288	0	0	0	0	0
Santa Clara	2028	MHDT	2002	Aggregate	Diesel	17.62603431		485.7145	485.7145	0	105.7813	14.2492	62.38087	0	0.156258	0.331025	0	0	0	0
Santa Clara	2028	OBUS	2002	Aggregate	Diesel	0.709526642		27.01531	27.01531	0	6.314787	15.61386	12.438	0	1.742915	0.290381	0	0	0	0
Santa Clara	2028	SBUS	2002	Aggregate	Diesel	17.57799713		291.1837	291.1837	0	254.5294	14.36889	42.02618	0	0.161555	0.147173	0	0	0	0
Santa Clara	2028	LDA	2002	Aggregate	Electricity	0.148021876	0.14802188	2.557425	0	2.557425	0.547749	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDT2	2002	Aggregate	Electricity	2.089104045	2.08910404	25.26592	0	25.26592	7.730646	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDA	2002	Aggregate	Gasoline	2895.536337		47361.06	47361.06	0	10714.82	0.359809	0	1.03192	0.046024	0	1.062079	0.372282	1.294375	6.355847
Santa Clara	2028	LDT1	2002	Aggregate	Gasoline	687.8400233		13988.72	13988.72	0	2545.324	0.3619	0	1.034875	0.046265	0	1.065138	0.372282	1.294375	6.355847
Santa Clara	2028	LDT2	2002	Aggregate	Gasoline	2089.874321		42502.14	42502.14	0	7733.496	0.724194	0	2.070786	0.061381	0	1.410467	0.372282	1.294375	6.355847
Santa Clara	2028	LHDT1	2002	Aggregate	Gasoline	284.5035061		6115.988	6115.988	0	4238.678	0.347725	0.042601	0.635001	0.029126	0.489292	0.272039	0.088817	0.549776	6.146604
Santa Clara	2028	LHDT2	2002	Aggregate	Gasoline	34.27763197		746.9814	746.9814	0	510.6856	0.347725	0.042601	0.635001	0.029126	0.489292	0.272039	0.088817	0.549776	6.146604
Santa Clara	2028	MCY	2002	Aggregate	Gasoline	536.4269184		1347.589	1347.589	0	1072.854	1.286357	0	0.306671	2.977804	0	2.644194	3.744273	4.598022	10.38627
Santa Clara	2028	MDV	2002	Aggregate	Gasoline	1774.978076		34392.8	34392.8	0	6568.235	1.023895	0	2.849096	0.12341	0	2.750153	0.372282	1.294375	6.355847
Santa Clara	2028	MH	2002	Aggregate	Gasoline	61.5825874		353.4911	353.4911	0	6.160722	0.20077	0	0.466446	0.01411	0	0.17371	14.53368	0.363858	6.617882
Santa Clara	2028	MHDT	2002	Aggregate	Gasoline	14.77940382		257.6597	257.6597	0	295.7063	4.324161	0.089556	0.616307	0.68243	1.02858	0.535378	0.063294	0.578509	6.209041
Santa Clara	2028	OBUS	2002	Aggregate	Gasoline	7.817355464		136.2855	136.2855	0	156.4096	4.129615	0.065345	0.522199	0.59912	0.750514	0.399713	0.066857	0.363858	6.472743
Santa Clara	2028	SBUS	2002	Aggregate	Gasoline	4.483686023		219.4358	219.4358	0	17.93474	4.273671	0.92653	0.761171	0.490838	10.64152	1.307929	0.3501	1.179615	6.663146
Santa Clara	2028	HHDT	2002	Aggregate	Natural Ga	1.698409467		110.2316	110.2316	0	7.812684	35.01889	10.09379	0	2.040422	3.549168	0	0	0	0
Santa Clara	2028	HHDT	2003	Aggregate	Diesel	14.04134679		608.0889	608.0889	0	73.77447	13.63647	62.8673	0	0.079624	0.659928	0	0	0	0
Santa Clara	2028	LDA	2003	Aggregate	Diesel	12.47838531		215.3983	215.3983	0	46.89065	1.743128	0	0	0.083431	0	0	0	0	0
Santa Clara	2028	LHDT1	2003	Aggregate	Diesel	231.1645511		5099.99	5099.99	0	2907.759	6.689223	2.596094	0	0.312948	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	2003	Aggregate	Diesel	44.17964466		985.6945	985.6945	0	555.7244	6.689223	2.596094	0	0.312948	0.10976	0	0	0	0
Santa Clara	2028	MH	2003	Aggregate	Diesel	26.22008281		152.9917	152.9917	0	2.622008	6.171388	0	0	0.17711	0	0	0	0	0
Santa Clara	2028	MHDT	2003	Aggregate	Diesel	14.74085042		403.3707	403.3707	0	88.28636	7.666289	67.91827	0	0.123012	0.266737	0	0	0	0
Santa Clara	2028	OBUS	2003	Aggregate	Diesel	2.321865813		89.79701	89.79701	0	20.66461	9.319737	13.54409	0	1.414454	0.232433	0	0	0	0
Santa Clara	2028	SBUS	2003	Aggregate	Diesel	29.88097405		513.1032	513.1032	0	432.6765	7.9531	45.76351	0	0.133353	0.117804	0	0	0	0
Santa Clara	2028	LDT2	2003	Aggregate	Electricity	0.691452042	0.69145204	8.782253	0	8.782253	2.598304	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDA	2003	Aggregate	Gasoline	3354.353079		57901.87	57901.87	0	12604.82	0.322482	0	0.94264	0.041385	0	0.96342	0.364243	1.269556	6.227351
Santa Clara	2028	LDT1	2003	Aggregate	Gasoline	435.6910438		9002.397	9002.397	0	1637.218	0.324332	0	0.945232	0.0416	0	0.966112	0.364243	1.269556	6.227351
Santa Clara	2028	LDT2	2003	Aggregate	Gasoline	2243.052524		46346.72	46346.72	0	8428.831	0.750298	0	2.14252	0.063436	0	1.447967	0.366289	1.294375	6.351758
Santa Clara	2028	LHDT1	2003	Aggregate	Gasoline	381.2823259		8412.754	8412.754	0	5680.539	0.348675	0.042601	0.63747	0.029128	0.489292	0.271889	0.088817	0.549776	6.146604
Santa Clara	2028	LHDT2	2003	Aggregate	Gasoline	37.59008053		838.7583	838.7583	0	560.0362	0.348675	0.042601	0.63747	0.029128	0.489292	0.271889	0.088817	0.549776	6.146604
Santa Clara	2028	MCY	2003	Aggregate	Gasoline	559.6667928		1474.15	1474.15	0	1119.334	1.286357	0	0.306671	2.979045	0	2.64426	3.744273	4.598022	10.38627
Santa Clara	2028	MDV	2003	Aggregate	Gasoline	1958.396238		39008.46	39008.46	0	7359.163	0.793882	0	2.259187	0.100866	0	2.397577	0.366289	1.294375	6.351758
Santa Clara	2028	MH	2003	Aggregate	Gasoline	66.11405472		385.7693	385.7693	0	6.61405	0.196627	0	0.459906	0.014023	0	0.170811	14.53368	0.363858	6.617882
Santa Clara	2028	MHDT	2003	Aggregate	Gasoline	14.70681643		279.3803	279.3803	0	294.254	4.318711	0.089556	0.616318	0.680328	1.02858	0.534969	0.063294	0.578509	6.209041
Santa Clara	2028	OBUS	2003	Aggregate	Gasoline	17.30530265		328.7428	328.7428	0	346.2445	4.05496	0.065345	0.516375	0.589792	0.750514	0.398286	0.066857	0.363858	6.472743
Santa Clara	2028	SBUS	2003	Aggregate	Gasoline	3.778435285		184.9202	184.9202	0	15.11374	4.318799	0.92653	0.766493	0.489878	10.64152	1.320493	0.3501	1.179615	6.663146
Santa Clara	2028	HHDT	2003	Aggregate	Natural Ga	0.603870591		39.19292	39.19292	0	2.777805	26.97626	10.09379	0	2.031738	3.549168	0	0	0	0
Santa Clara	2028	HHDT	2004	Aggregate	Diesel	10.90723288		455.6353	455.6353	0	58.24656	11.92782	62.11175	0	0.083953	0.679022	0	0	0	0
Santa Clara	2028	LDA	2004	Aggregate	Diesel	4.651840613		84.66304	84.66304	0	17.74696	1.743128	0	0	0.083431	0	0	0	0	0
Santa Clara	2028	LHDT1	2004	Aggregate	Diesel	306.8244169		6950.081	6950.081	0	3859.465	4.526166	2.596094	0	0.698303	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	2004	Aggregate	Diesel	44.95046982		1027.239	1027.239	0	565.4204	4.526166	2.596094	0	0.698303	0.10976	0	0	0	0
Santa Clara	2028	MDV	2004	Aggregate	Diesel	0.291226822		5.969811	5.969811	0	1.111042	1.743128	0	0	0.083431	0	0	0	0	0
Santa Clara	2028	MH	2004	Aggregate	Diesel	30.97849119		183.809	183.809	0	3.097849	5.771027	0	0	0.165482	0	0	0	0	0
Santa Clara	2028	MHDT	2004	Aggregate	Diesel	9.388554033		216.3986	216.3986	0	62.21858	7.636164	65.81025	0	0.126826	0.329992	0	0	0	0
Santa Clara	2028	OBUS	2004	Aggregate	Diesel	0.692388879		27.18794	27.18794	0	6.162261	9.319737	13.54409	0	1.414454	0.232433	0	0	0	0
Santa Clara	2028	SBUS	2004	Aggregate	Diesel	3.314953745		58.88746	58.88746	0	48.00053	7.888597	45.76351	0	0.130072	0.117804	0	0	0	0
Santa Clara	2028	LDA	2004	Aggregate	Gasoline	3921.766419		71375.76	71375.76	0	14961.7	0.041021	0	0.252591	0.007752	0	0.449691	0.286215	1.182694	6.04966
Santa Clara	2028	LDT1	2004	Aggregate	Gasoline	421.2215503		8864.868	8864.868	0	1606.977	0.041097	0	0.25365	0.007748	0	0.449917	0.286215	1.182694	6.04966
Santa Clara	2028	LDT2	2004	Aggregate	Gasoline	3088.218979		64993.48	64993.48	0	11781.68	0.044995	0	0.232543	0.008606	0	0.516048	0.290221	1.232066	6.296984
Santa Clara	2028	LHDT1	2004	Aggregate	Gasoline	351.8849039		7971.572	7971.572	0	5242.561	0.297256	0.042601	1.303497	0.019543	0.489292	0.16404	0.071506	0.510671	6.101211
Santa Clara	2028	LHDT2	2004	Aggregate	Gasoline	41.59024835		950.5439	950.5439	0	619.6327	0.297256	0.042601	1.303497	0.019543	0.489292	0.16404	0.071506	0.510671	6.101211
Santa Clara	2028	MCY	2004	Aggregate	Gasoline	517.4711329		1426.047	1426.047	0	1034.942	1.288291	0	0.329443	2.956358	0	2.450073	3.744273	4.598022	10.38627
Santa Clara	2028	MDV	2004	Aggregate	Gasoline	2275.578222		46646.71	46646.71	0	8681.422	0.096692	0	0.265549	0.016915	0	0.451809	0.290221	1.232066	6.296984
Santa Clara	2028	MH	2004	Aggregate	Gasoline	82.43069445		489.0974	489.0974	0	8.246367	0.122267	0	0.342927	0.010195	0	0.120551	11.70121	0.337938	6.564163
Santa Clara	2028	MHDT	2004	Aggregate	Gasoline	15.95632494		329.8968	329.8968	0	319.2541	0.370965	0.089556	0.834192	0.019455	1.02858	0.358678	0.050957	0.537371	6.113099
Santa Clara	2028	OBUS	2004	Aggregate	Gasoline	14.43217007		298.3849	298.3849	0	288.7589	0.364407	0.065345	0.71992	0.017561	0.750514	0.268242	0.053826	0.337938	6.368959
Santa Clara	2028	SBUS	2004	Aggregate	Gasoline	5.44283367		266.3774	266.3774	0	21.77133	0.360472	0.92653	1.018748	0.016527	10.64152	0.746427	0.281874	1.094182	6.548579
Santa Clara	2028	HHDT	2004	Aggregate	Natural Ga	0.551544866		35.79683	35.79683	0	2.537106	26.97626	10.09379	0	2.031738	3.549168	0	0	0	0
Santa Clara	2028	HHDT	2005	Aggregate	Diesel	18.34848101		891.221	891.221	0	94.7058	11.80232	64.03037	0	0.04897	0.6759	0	0	0	0
Santa Clara	2028	LDA	2005	Aggregate	Diesel	13.27481356		254.4934	254.4934	0	51.40446	1.743128	0	0	0.083431	0	0	0	0	0
Santa Clara	2028	LDT2	2005	Aggregate	Diesel	1.203217856		25.85351	25.85351	0	4.659257	1.743128	0	0	0.083431	0	0	0	0	0
Santa Clara	2028	LHDT1	2005	Aggregate	Diesel	255.5345867		5945.063	5945.063	0	3214.304	4.525601	2.596094	0	0.697336	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	2005	Aggregate	Diesel	99.91610275		2339.676	2339.676	0	1256.819	4.525601	2.596094	0	0.697336	0.10976	0	0	0	0
Santa Clara	2028	MDV	2005	Aggregate	Diesel	11.3289941		239.2373	239.2373	0	43.8696	1.743128	0	0	0.083431	0	0	0	0	0
Santa Clara	2028	MH	2005	Aggregate	Diesel	42.25631192		255.0587	255.0587	0	4.225631	5.750205	0	0	0.162716	0	0	0	0	0
Santa Clara	2028	MHDT	2005	Aggregate	Diesel	13.44721476		361.2635	361.2635	0	81.47762	7.610823	67.66793	0	0.119773	0.274819	0	0	0	0
Santa Clara	2028	OBUS	2005	Aggregate	Diesel	0.420535174		16.75509	16.75509	0	3.742763	9.319737	13.54409	0	1.414454	0.232433	0	0	0	0
Santa Clara	2028	SBUS	2005	Aggregate	Diesel	3.296985521		60.47692	60.47692	0	47.74035	7.82326	45.76351	0	0.126748	0.117804	0	0	0	0
Santa Clara	2028	LDA	2005	Aggregate	Electricity	0.190877201	0.1908772	3.815054	0	3.815054	0.73914	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDA	2005	Aggregate	Gasoline	5150.11503		98733.61	98733.61	0	19942.94	0.039005	0	0.248939	0.007283	0	0.403119	0.279861	1.159209	5.925619
Santa Clara	2028	LDT1	2005	Aggregate	Gasoline	336.2940886		7225.942	7225.942	0	1302.242	0.039079	0	0.250091	0.00728	0	0.403173	0.279861	1.159209	5.925619
Santa Clara	2028	LDT2	2005	Aggregate	Gasoline	3521.771636		75672.22	75672.22	0	13637.46	0.04277	0	0.244251	0.008246	0	0.483423	0.285679	1.232066	6.290359
Santa Clara	2028	LHDT1	2005	Aggregate	Gasoline	350.4490758		8154.083	8154.083	0	5221.169	0.297348	0.042601	1.305568	0.019415	0.489292	0.163993	0.071506	0.510671	6.098897
Santa Clara	2028	LHDT2	2005	Aggregate	Gasoline	52.91570908		1239.22	1239.22	0	788.3652	0.297348	0.042601	1.305568	0.019415	0.489292	0.163993	0.071506	0.510671	6.098897
Santa Clara	2028	MCY	2005	Aggregate	Gasoline	693.8624754		2003.527	2003.527	0	1387.725	1.288215	0	0.329423	2.957293	0	2.450044	3.744273	4.598022	10.38627
Santa Clara	2028	MDV	2005	Aggregate	Gasoline	2179.956395		46034.71	46034.71	0	8441.511	0.083292	0	0.2537	0.014885	0	0.484497	0.285679	1.232066	6.290359
Santa Clara	2028	MH	2005	Aggregate	Gasoline	53.38517289		322.2325	322.2325	0	5.340653	0.119176	0	0.339613	0.01012	0	0.118829	11.70121	0.337938	6.561425
Santa Clara	2028	MHDT	2005	Aggregate	Gasoline	10.97346512		246.3677	246.3677	0	219.5571	0.197109	0.089556	0.549697	0.0101	1.02858	0.21158	0.050957	0.537371	6.113099
Santa Clara	2028	OBUS	2005	Aggregate	Gasoline	11.34685934		254.7509	254.7509	0	227.028	0.192354	0.065345	0.44958	0.008374	0.750514	0.145825	0.053826	0.337938	6.368959
Santa Clara	2028	SBUS	2005	Aggregate	Gasoline	2.755146919		134.8395	134.8395	0	11.02059	0.194065	0.92653	0.634896	0.008444	10.64152	0.440739	0.281874	1.094182	6.548579
Santa Clara	2028	HHDT	2005	Aggregate	Natural Ga	1.763690226		114.4685	114.4685	0	8.112975	26.97626	10.09379	0	2.031738	3.549168	0	0	0	0
Santa Clara	2028	HHDT	2006	Aggregate	Diesel	19.20927759		866.6332	866.6332	0	100.5685	11.83196	63.0983	0	0.063972	0.674999	0	0	0	0

Santa Clara	2028	LDA	2006	Aggregate	Diesel	14.94032945		301.4279	301.4279	0	58.70982	1.743128	0	0	0.083431	0	0	0	0	0
Santa Clara	2028	LDT2	2006	Aggregate	Diesel	1.249961402		27.4822	27.4822	0	4.911873	1.743128	0	0	0.083431	0	0	0	0	0
Santa Clara	2028	LHDT1	2006	Aggregate	Diesel	372.196504		8897.306	8897.306	0	4681.764	4.524349	2.596094	0	0.695187	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	2006	Aggregate	Diesel	155.2679184		3727.069	3727.069	0	1953.075	4.524349	2.596094	0	0.695187	0.10976	0	0	0	0
Santa Clara	2028	MDV	2006	Aggregate	Diesel	9.395505653		204.5757	204.5757	0	36.92077	1.743128	0	0	0.083431	0	0	0	0	0
Santa Clara	2028	MH	2006	Aggregate	Diesel	54.09610178		332.3078	332.3078	0	5.40961	5.728941	0	0	0.159892	0	0	0	0	0
Santa Clara	2028	MHDT	2006	Aggregate	Diesel	14.53310515		373.0327	373.0327	0	85.66444	7.581791	68.17623	0	0.11693	0.260611	0	0	0	0
Santa Clara	2028	OBUS	2006	Aggregate	Diesel	1.153737922		46.59953	46.59953	0	10.26827	9.319737	13.54409	0	1.414454	0.232433	0	0	0	0
Santa Clara	2028	SBUS	2006	Aggregate	Diesel	20.334998		384.5	384.5	0	294.4508	7.75709	45.76351	0	0.123382	0.117804	0	0	0	0
Santa Clara	2028	LDA	2006	Aggregate	Gasoline	6373.429074		128586.8	128586.8	0	25045.15	0.033443	0	0.244178	0.006281	0	0.346652	0.273708	1.135894	5.80129
Santa Clara	2028	LDT1	2006	Aggregate	Gasoline	639.4013035		14058.16	14058.16	0	2512.604	0.033607	0	0.244963	0.006296	0	0.347865	0.273708	1.135894	5.80129
Santa Clara	2028	LDT2	2006	Aggregate	Gasoline	3882.449748		85361.26	85361.26	0	15256.55	0.03901	0	0.25437	0.007596	0	0.445274	0.28127	1.232066	6.28245
Santa Clara	2028	LHDT1	2006	Aggregate	Gasoline	719.9765332		17212.66	17212.66	0	10726.58	0.296607	0.042601	1.300873	0.019346	0.489292	0.163608	0.071506	0.510671	6.095426
Santa Clara	2028	LHDT2	2006	Aggregate	Gasoline	69.57120065		1670.162	1670.162	0	1036.507	0.296607	0.042601	1.300873	0.019346	0.489292	0.163608	0.071506	0.510671	6.095426
Santa Clara	2028	MCY	2006	Aggregate	Gasoline	821.0697029		2481.675	2481.675	0	1642.139	1.288099	0	0.329391	2.95817	0	2.449971	3.744273	4.598022	10.38627
Santa Clara	2028	MDV	2006	Aggregate	Gasoline	2094.287092		45600.62	45600.62	0	8229.752	0.020722	0	0.100607	0.003919	0	0.251	0.28127	1.232066	6.28245
Santa Clara	2028	MH	2006	Aggregate	Gasoline	77.53746575		476.3061	476.3061	0	7.756848	0.118846	0	0.337207	0.010035	0	0.117313	11.70121	0.337938	6.557316
Santa Clara	2028	MHDT	2006	Aggregate	Gasoline	35.21201386		856.6683	856.6683	0	704.522	0.196875	0.089556	0.456117	0.009301	1.02858	0.20246	0.050957	0.537371	6.113099
Santa Clara	2028	OBUS	2006	Aggregate	Gasoline	37.5314714		913.098	913.098	0	750.9297	0.197734	0.065345	0.429803	0.007731	0.750514	0.143603	0.053826	0.337938	6.368959
Santa Clara	2028	SBUS	2006	Aggregate	Gasoline	3.765193989		184.2722	184.2722	0	15.06078	0.193579	0.92653	0.633674	0.008529	10.64152	0.440027	0.281874	1.094182	6.548579
Santa Clara	2028	HHDT	2006	Aggregate	Natural Ga	0.07451716		4.836376	4.836376	0	0.342779	26.97626	10.09379	0	2.031738	3.549168	0	0	0	0
Santa Clara	2028	HHDT	2007	Aggregate	Diesel	39.24262596		2204.363	2204.363	0	192.1969	10.76025	66.42551	0	0.01945	0.548675	0	0	0	0
Santa Clara	2028	LDA	2007	Aggregate	Diesel	3.213778748		68.17328	68.17328	0	12.81305	1.743128	0	0	0.083431	0	0	0	0	0
Santa Clara	2028	LDT2	2007	Aggregate	Diesel	1.894697937		42.71411	42.71411	0	7.55399	1.743128	0	0	0.083431	0	0	0	0	0
Santa Clara	2028	LHDT1	2007	Aggregate	Diesel	195.7388748		4809.888	4809.888	0	2462.149	2.646681	2.596094	0	0.392818	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	2007	Aggregate	Diesel	78.45079715		1931.297	1931.297	0	986.8123	2.708223	2.596094	0	0.400285	0.10976	0	0	0	0
Santa Clara	2028	MDV	2007	Aggregate	Diesel	10.14970694		228.0486	228.0486	0	40.46597	0.032172	0	0	0.013431	0	0	0	0	0
Santa Clara	2028	MH	2007	Aggregate	Diesel	49.67643197		310.7042	310.7042	0	4.967643	4.143898	0	0	0.128304	0	0	0	0	0
Santa Clara	2028	MHDT	2007	Aggregate	Diesel	11.0573302		288.2103	288.2103	0	64.65182	6.758925	68.33515	0	0.085337	0.213243	0	0	0	0
Santa Clara	2028	OBUS	2007	Aggregate	Diesel	1.011344349		41.36254	41.36254	0	9.000965	8.360861	13.54409	0	1.037663	0.193777	0	0	0	0
Santa Clara	2028	SBUS	2007	Aggregate	Diesel	20.1933484		392.9578	392.9578	0	292.3997	6.958135	45.76351	0	0.089051	0.098211	0	0	0	0
Santa Clara	2028	LDA	2007	Aggregate	Electricity	0.245271644	0.24527164	5.389452	0	5.389452	0.977876	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDA	2007	Aggregate	Gasoline	8414.608249		178497.5	178497.5	0	33548.29	0.035556	0	0.268694	0.006555	0	0.35152	0.268643	1.124298	5.735711
Santa Clara	2028	LDT1	2007	Aggregate	Gasoline	886.9077981		19994.47	19994.47	0	3536.022	0.035743	0	0.269713	0.006573	0	0.352799	0.268643	1.124298	5.735711
Santa Clara	2028	LDT2	2007	Aggregate	Gasoline	3875.336841		87365.68	87365.68	0	15450.62	0.037513	0	0.271778	0.007205	0	0.404097	0.276988	1.232066	6.274547
Santa Clara	2028	LHDT1	2007	Aggregate	Gasoline	419.910931		10319.5	10319.5	0	6256.047	0.293581	0.042601	1.291173	0.018633	0.489292	0.162741	0.071506	0.510671	6.091954
Santa Clara	2028	LHDT2	2007	Aggregate	Gasoline	46.19838806		1137.423	1137.423	0	688.2871	0.293581	0.042601	1.291173	0.018633	0.489292	0.162741	0.071506	0.510671	6.091954
Santa Clara	2028	MCY	2007	Aggregate	Gasoline	939.3067503		2972.029	2972.029	0	1878.614	1.287999	0	0.329363	2.958969	0	2.449911	3.744273	4.598022	10.38627
Santa Clara	2028	MDV	2007	Aggregate	Gasoline	2710.473777		60900.26	60900.26	0	10806.42	0.039031	0	0.278292	0.007335	0	0.415682	0.276988	1.232066	6.274547
Santa Clara	2028	MH	2007	Aggregate	Gasoline	54.56967323		341.3093	341.3093	0	5.45915	0.116919	0	0.335005	0.009996	0	0.118285	11.70121	0.337938	6.553208
Santa Clara	2028	MHDT	2007	Aggregate	Gasoline	17.59507504		462.8279	462.8279	0	352.0423	0.195406	0.089556	0.490691	0.009897	1.02858	0.180709	0.050957	0.537371	6.113099
Santa Clara	2028	OBUS	2007	Aggregate	Gasoline	16.31533515		429.1652	429.1652	0	326.4372	0.188233	0.065345	0.858112	0.007225	0.750514	0.161869	0.053826	0.337938	6.368959
Santa Clara	2028	SBUS	2007	Aggregate	Gasoline	4.978534027		243.6542	243.6542	0	19.91414	0.186262	0.92653	0.617164	0.008574	10.64152	0.430189	0.281874	1.094182	6.548579
Santa Clara	2028	HHDT	2007	Aggregate	Natural Ga	1.340486523		87.00139	87.00139	0	6.166238	2.263689	10.09379	0	0.09035	0.307243	0	0	0	0
Santa Clara	2028	HHDT	2008	Aggregate	Diesel	56.3945756		3120.932	3120.932	0	276.0456	7.8327	52.66463	0	0.094991	1.385536	0	0	0	0
Santa Clara	2028	LDA	2008	Aggregate	Diesel	3.922336583		87.40231	87.40231	0	15.86271	0.03093	0	0	0.012924	0	0	0	0	0
Santa Clara	2028	LDT2	2008	Aggregate	Diesel	3.30898575		76.63517	76.63517	0	13.3822	0.030009	0	0	0.013667	0	0	0	0	0
Santa Clara	2028	LHDT1	2008	Aggregate	Diesel	251.3529036		6352.236	6352.236	0	3161.703	2.642838	2.596094	0	0.390387	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	2008	Aggregate	Diesel	134.5209101		3398.047	3398.047	0	1692.104	2.703715	2.596094	0	0.397785	0.10976	0	0	0	0
Santa Clara	2028	MDV	2008	Aggregate	Diesel	6.58933984		152.8815	152.8815	0	26.64861	0.032039	0	0	0.013323	0	0	0	0	0
Santa Clara	2028	MH	2008	Aggregate	Diesel	43.07929627		274.4775	274.4775	0	4.30793	4.12547	0	0	0.126012	0	0	0	0	0
Santa Clara	2028	MHDT	2008	Aggregate	Diesel	22.81672731		642.7198	642.7198	0	121.736	4.965581	53.85727	0	0.174669	0.396691	0	0	0	0
Santa Clara	2028	OBUS	2008	Aggregate	Diesel	3.233566659		132.2752	132.2752	0	28.77874	6.030075	10.41224	0	0.310842	0.076692	0	0	0	0
Santa Clara	2028	SBUS	2008	Aggregate	Diesel	28.52503834		570.4304	570.4304	0	413.0426	5.154105	35.18142	0	0.185946	0.259132	0	0	0	0
Santa Clara	2028	LDA	2008	Aggregate	Electricity	14.7321934	14.7321934	339.1445	0	339.1445	59.57994	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDA	2008	Aggregate	Gasoline	8219.773938		183163.1	183163.1	0	33242.41	0.034928	0	0.264457	0.006366	0	0.336813	0.26369	1.112265	5.662874
Santa Clara	2028	LDT1	2008	Aggregate	Gasoline	1513.6154		35054.9	35054.9	0	6121.363	0.035121	0	0.265576	0.006385	0	0.338122	0.26369	1.112265	5.662874
Santa Clara	2028	LDT2	2008	Aggregate	Gasoline	3055.224884		70758.14	70758.14	0	12355.94	0.037018	0	0.272668	0.007195	0	0.402751	0.272827	1.232066	6.261502
Santa Clara	2028	LHDT1	2008	Aggregate	Gasoline	398.2857253		10066.56	10066.56	0	5933.864	0.156758	0.042601	0.971233	0.012312	0.489292	0.156693	0.071506	0.510671	6.083854
Santa Clara	2028	LHDT2	2008	Aggregate	Gasoline	88.88348732		2245.454	2245.454	0	1324.232	0.164463	0.042601	0.971007	0.012587	0.489292	0.156693	0.071506	0.510671	6.083854
Santa Clara	2028	MCY	2008	Aggregate	Gasoline	752.3499338		2491.954	2491.954	0	1504.7	0.541728	0	0.044576	0.894121	0	0.848509	3.744273	4.598022	10.38627
Santa Clara	2028	MDV	2008	Aggregate	Gasoline	2700.756229		62661.14	62661.14	0	10922.4	0.038594	0	0.279336	0.007331	0	0.414562	0.272827	1.232066	6.261502
Santa Clara	2028	MH	2008	Aggregate	Gasoline	41.44666702		264.0753	264.0753	0	4.146325	0.114998	0	0.332898	0.010122	0	0.115512	11.70121	0.337938	6.543622
Santa Clara	2028	MHDT	2008	Aggregate	Gasoline	14.47850704		410.8182	410.8182	0	289.686	0.139447	0.089556	0.357149	0.009682	1.02858	0.192031	0.050957	0.537371	6.112704
Santa Clara	2028	OBUS	2008	Aggregate	Gasoline	20.90097347		593.0515	593.0515	0	418.1867	0.130204	0.065345	0.498229	0	0.750514	0.150172	0.053826	0.337938	6.368518
Santa Clara	2028	SBUS	2008	Aggregate	Gasoline	4.668841804		228.4975	228.4975	0	18.67537	0.187633	0.92653	0.868992	0.0086	10.64152	0.396567	0.281874	1.094182	6.548088
Santa Clara	2028	HHDT	2008	Aggregate	Natural Ga	3.653994889		225.6695	225.6695	0	17.17332	2.21021	9.941884	0	0.087383	0.312811	0	0	0	0
Santa Clara	2028	SBUS	2008	Aggregate	Natural Ga	0.195376975		3.907057	3.907057	0	2.829059	0.691373	5.349559	0	0.053967	0.231865	0	0	0	0
Santa Clara	2028	HHDT	2009	Aggregate	Diesel	50.58536832		2210.379	2210.379	0	256.3833	7.848157	24.98992	0	0.187593	1.245408	0	0	0	0
Santa Clara	2028	LDA	2009	Aggregate	Diesel	18.20364069		425.7236	425.7236	0	74.66205	0.030762	0	0	0.012794	0	0	0	0	0
Santa Clara	2028	LDT2	2009	Aggregate	Diesel	7.832624921		186.6788	186.6788	0	32.12543	0.02989	0	0	0.013595	0	0	0	0	0
Santa Clara	2028	LHDT1	2009	Aggregate	Diesel	42.99270912		1118.047	1118.047	0	540.7942	2.637338	2.596094	0	0.387217	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	2009	Aggregate	Diesel	32.99512074		855.6992	855.6992	0	415.0371	2.698348	2.596094	0	0.394682	0.10976	0	0	0	0
Santa Clara	2028	MDV	2009	Aggregate	Diesel	14.53728583		348.4921	348.4921	0	59.62453	0.031497	0	0	0.013363	0	0	0	0	0
Santa Clara	2028	MH	2009	Aggregate	Diesel	2.163748747		14.05139	14.05139	0	0.216375	4.106673	0	0	0.123674	0	0	0	0	0
Santa Clara	2028	MHDT	2009	Aggregate	Diesel	15.14358801		469.2738	469.2738	0	79.50125	4.877696	26.89586	0	0.162919	0.375268	0	0	0	0
Santa Clara	2028	OBUS	2009	Aggregate	Diesel	2.683699713		109.7819	109.7819	0	23.88493	5.936195	5.1785	0	0.290813	0.072254	0	0	0	0
Santa Clara	2028	SBUS	2009	Aggregate	Diesel	24.95448546		512.1056	512.1056	0	361.3409	5.041393	17.49739	0	0.171243	0.244135	0	0	0	0
Santa Clara	2028	LDA	2009	Aggregate	Gasoline	7595.30626		177629.4	177629.4	0	31152.07	0.033125	0	0.267338	0.006019	0	0.309418	0.153275	0.385493	2.113963
Santa Clara	2028	LDT1	2009	Aggregate	Gasoline	1400.923036		33388.88	33388.88	0	5745.872	0.033326	0	0.268608	0.00604	0	0.310611	0.153275	0.385493	2.113963
Santa Clara	2028	LDT2	2009	Aggregate	Gasoline	1691.818484		40321.93	40321.93	0	6938.977	0.036708	0	0.273835	0.00727	0	0.408306	0.156382	0.427994	2.32138
Santa Clara	2028	LHDT1	2009	Aggregate	Gasoline	87.25040155		2269.218	2269.218	0	1299.901	0.02253	0.042601	0.662692	0.00598	0.489292	0.150052	0.041601	0.178721	2.249473
Santa Clara	2028	LHDT2	2009	Aggregate	Gasoline	28.17545683		730.7786	730.7786	0	419.7723	0.037647	0.042601	0.662692	0.006522	0.489292	0.150052	0.041601	0.178721	2.249473
Santa Clara	2028	MCY	2009	Aggregate	Gasoline	744.847698		2582.368	2582.368	0	1489.695	0.538685	0	0.04465	0.888631	0	0.844785	3.534753	3.76082	2.827294
Santa Clara	2028	MDV	2009	Aggregate	Gasoline	1460.286724		35006.43	35006.43	0	5989.351	0.038337	0	0.280374	0.00741	0	0.420464	0.156382	0.427994	2.32138
Santa Clara	2028	MH	2009	Aggregate	Gasoline	13.88015882		90.13778	90.13778	0	1.388571	0.112926	0	0.330741	0.010277	0	0.115345	6.808183	0.118241	2.430469
Santa Clara	2028	MHDT	2009	Aggregate	Gasoline	7.304352937		222.9888	222.9888	0	146.1455	0.116185	0.089556	0.37472	0.008871	1.02858	0.202286	0.029645	0.188066	2.325322
Santa Clara	2028	OBUS	2009	Aggregate	Gasoline	13.82353934		422.0079	422.0079	0	276.5814	0.089747	0.065345	0.30946	0.003423	0.750514	0.137513	0.031317	0.118241	2.430355
Santa Clara	2028	SBUS	2009	Aggregate	Gasoline	2.855929403		139.7719	139.7719	0	11.42372	0.209719	0.92653	1.179953	0.008655	10.64152	0.368268	0.164016	0.382464	2.513447
Santa Clara	2028	HHDT	2009	Aggregate	Natural Ga	3.288160165		206.4177	206.4177	0	15.31944	2.224228	9.975718	0	0.088159	0.310784	0	0	0	0
Santa Clara	2028	HHDT	2010	Aggregate	Diesel	21.38821063		971.6436	971.6436	0	107.6004	6.685269	22.52696	0.72542	0.164595	1.254641	0	0	0	0
Santa Clara	2028	LDA	2010	Aggregate	Diesel	24.00407745		588.659	588.659	0	99.82768	0.030573	0	0	0.012648	0	0	0	0	0
Santa Clara	2028	LDT2	2010	Aggregate	Diesel	9.879650488		242.6973	242.6973	0	41.08729	0.029756	0	0	0.013513	0	0	0	0	0
Santa Clara	2028	LHDT1	2010	Aggregate	Diesel	71.09823397		1903.758	1903.758	0	894.3263	0.750502	2.596094	0	0.092237	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	2010	Aggregate	Diesel	30.09859669		801.899	801.899	0	378.6025	0.871281	2.596094	0	0.107081	0.10976	0	0	0	0
Santa Clara	2028	MDV	2010	Aggregate	Diesel	46.76999622		1159.027	1159.027	0	194.5061	0.031321	0	0	0.013227	0	0	0	0	0
Santa Clara	2028	MH	2010	Aggregate	Diesel	9.390276046		62.7781	62.7781	0	0.939028	2.535564	0	0	0.094575	0	0	0	0	0
Santa Clara	2028	MHDT	2010	Aggregate	Diesel	11.96116501		364.9195	364.9195	0	61.77705	4.306362	24.03863	0.439173	0.14958	0.359327	0	0	0	0
Santa Clara	2028	OBUS	2010	Aggregate	Diesel	0.795035947		32.52247	32.52247	0	7.07582	5.412704	4.609621	0.312518	0.26031	0.068904	0	0	0	0
Santa Clara	2028	SBUS	2010	Aggregate	Diesel	23.81138407		500.7992	500.7992	0	344.7888	4.477651	15.57523	0.217824	0.153997	0.232817	0	0	0	0
Santa Clara	2028	LDA	2010	Aggregate	Electricity	12.44093383	12.4409338	313.7997	0	313.7997	51.73911	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDA	2010	Aggregate	Gasoline	10737.30485		263314.1	263314.1	0	44654.09	0.032155	0	0.264934	0.005815	0	0.294494	0.152821	0.410326	2.233676
Santa Clara	2028	LDT1	2010	Aggregate	Gasoline	310.3816656		7624.641	7624.641	0	1290.809	0.032365	0	0.266319	0.005837	0	0.295673	0.152822	0.41034	2.233741
Santa Clara	2028	LDT2	2010	Aggregate	Gasoline	4120.726702		101227.2	101227.2	0	17137.2	0.033831	0	0.274611	0.006533	0	0.350102	0.154094	0.427994	2.319845
Santa Clara	2028	LHDT1	2010	Aggregate	Gasoline	51.71726387		1384.943	1384.943	0	770.5102	0.022075	0.042601	0.653067	0.006019	0.489292	0.148221	0.041601	0.178721	2.249473
Santa Clara	2028	LHDT2	2010	Aggregate	Gasoline	20.78333736		553.7735	553.7735	0	309.6408	0.037353	0.042601	0.653067	0.006568	0.489292	0.148221	0.041601	0.178721	2.249473
Santa Clara	2028	MCY	2010	Aggregate	Gasoline	296.7947774		1076.862	1076.862	0	593.5896	0.537318	0	0.044684	0.886516	0	0.84313	3.534753	3.76082	2.827294
Santa Clara	2028	MDV	2010	Aggregate	Gasoline	2185.12396		54150.48	54150.48	0	9087.45	0.035435	0	0.282906	0.006691	0	0.360064	0.154094	0.427994	2.319845
Santa Clara	2028	MH	2010	Aggregate	Gasoline	14.15981731		94.66457	94.66457	0	1.416548	0.110724	0	0.328531	0.010173	0	0.114412	6.808183	0.118241	2.430469
Santa Clara	2028	MHDT	2010	Aggregate	Gasoline	4.186766221		137.1982	137.1982	0	83.76882	0.10197	0.089556	0.378494	0.006893	1.02858	0.200237	0.029645	0.188066	2.325322

Santa Clara	2028	OBUS	2010	Aggregate	Gasoline	9.437386734		309.2583	309.2583	0	188.8232	0.107676	0.065345	0.338202	0.003324	0.750514	0.129184	0.031317	0.118241	2.430355
Santa Clara	2028	SBUS	2010	Aggregate	Gasoline	3.562838483		174.3687	174.3687	0	14.25135	0.180789	0.92653	1.018654	0.008391	10.64152	0.371882	0.164016	0.382464	2.513447
Santa Clara	2028	HHDT	2010	Aggregate	Natural Ga	2.49538168		161.5043	161.5043	0	11.52066	2.263542	10.10582	0	0.090344	0.30814	0	0	0	0
Santa Clara	2028	OBUS	2010	Aggregate	Natural Ga	0.243378351		9.955858	9.955858	0	2.166067	0.300741	1.583247	0	0.010423	0.068622	0	0	0	0
Santa Clara	2028	SBUS	2010	Aggregate	Natural Ga	0.60281985		12.67846	12.67846	0	8.728831	0.691373	5.349559	0	0.053967	0.231865	0	0	0	0
Santa Clara	2028	LDA	2010	Aggregate	Plug-in Hyb	0.390229937	0.39022994	9.570039	5.185733	4.384306	1.613601	0.003556	0	0.11551	0.001538	0	0.173285	0.157076	0.270611	2.272044
Santa Clara	2028	HHDT	2011	Aggregate	Diesel	192.4564671		9601.516	9601.516	0	2257.479	4.375554	38.77489	1.984599	0.110867	2.887247	0	0	0	0
Santa Clara	2028	LDA	2011	Aggregate	Diesel	90.35254282		2321.417	2321.417	0	380.9326	0.030363	0	0	0.012485	0	0	0	0	0
Santa Clara	2028	LDT2	2011	Aggregate	Diesel	19.86741031		503.7455	503.7455	0	83.76239	0.029606	0	0	0.013422	0	0	0	0	0
Santa Clara	2028	LHDT1	2011	Aggregate	Diesel	130.3827858		3597.144	3597.144	0	1640.051	0.741464	2.596094	0	0.091608	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	2011	Aggregate	Diesel	98.87308823		2708.04	2708.04	0	1243.699	0.860788	2.596094	0	0.106351	0.10976	0	0	0	0
Santa Clara	2028	MDV	2011	Aggregate	Diesel	74.56565191		1911.019	1911.019	0	314.374	0.031117	0	0	0.013069	0	0	0	0	0
Santa Clara	2028	MH	2011	Aggregate	Diesel	18.43352179		127.639	127.639	0	1.843352	2.519976	0	0	0.092834	0	0	0	0	0
Santa Clara	2028	MHDT	2011	Aggregate	Diesel	298.543454		9640.946	9640.946	0	3449.879	2.521795	12.25919	1.854403	0.053345	0.198251	0	0	0	0
Santa Clara	2028	OBUS	2011	Aggregate	Diesel	26.4583815		1183.984	1183.984	0	277.2161	3.686928	8.933339	1.635335	0.086958	0.49366	0	0	0	0
Santa Clara	2028	LDA	2011	Aggregate	Electricity	189.9478219	189.947822	5010.528	0	5010.528	800.8333	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDA	2011	Aggregate	Gasoline	11343.54121		291448	291448	0	47825.16	0.031897	0	0.265697	0.005943	0	0.305736	0.150613	0.410326	2.232195
Santa Clara	2028	LDT1	2011	Aggregate	Gasoline	298.4416501		7567.097	7567.097	0	1258.251	0.032121	0	0.267082	0.005967	0	0.307007	0.150614	0.41034	2.23226
Santa Clara	2028	LDT2	2011	Aggregate	Gasoline	5625.526458		142637.3	142637.3	0	23717.61	0.033678	0	0.271636	0.006584	0	0.354717	0.151867	0.427994	2.31831
Santa Clara	2028	LHDT1	2011	Aggregate	Gasoline	192.7452735		5318.201	5318.201	0	2871.617	0.02205	0.042601	0.646878	0.005996	0.489292	0.146384	0.041601	0.178721	2.249473
Santa Clara	2028	LHDT2	2011	Aggregate	Gasoline	52.64916168		1442.155	1442.155	0	784.3941	0.037099	0.042601	0.646878	0.006541	0.489292	0.146384	0.041601	0.178721	2.249473
Santa Clara	2028	MCY	2011	Aggregate	Gasoline	367.9882017		1399.388	1399.388	0	735.9764	0.53269	0	0.044798	0.87798	0	0.837457	3.534753	3.76082	2.827294
Santa Clara	2028	MDV	2011	Aggregate	Gasoline	3077.804276		78880.04	78880.04	0	12976.24	0.035293	0	0.279722	0.00674	0	0.365061	0.151867	0.427994	2.31831
Santa Clara	2028	MH	2011	Aggregate	Gasoline	38.80869688		268.7225	268.7225	0	3.882422	0.108498	0	0.32627	0.010129	0	0.113084	6.808183	0.118241	2.430469
Santa Clara	2028	MHDT	2011	Aggregate	Gasoline	23.4938438		824.509	824.509	0	470.0648	0.084292	0.089556	0.276142	0.015581	1.02858	0.180121	0.029645	0.188066	2.325322
Santa Clara	2028	OBUS	2011	Aggregate	Gasoline	9.479329222		332.674	332.674	0	189.6624	0.082836	0.065345	0.278912	0.009602	0.750514	0.127722	0.031317	0.118241	2.430355
Santa Clara	2028	SBUS	2011	Aggregate	Gasoline	13.96690173		683.5534	683.5534	0	55.86761	0.18547	0.92653	1.030802	0.008712	10.64152	0.362343	0.164016	0.382464	2.513447
Santa Clara	2028	HHDT	2011	Aggregate	Natural Ga	11.59959974		617.094	617.094	0	74.17816	1.921488	11.13381	0	0.074408	0.398678	0	0	0	0
Santa Clara	2028	MHDT	2011	Aggregate	Natural Ga	4.402321585		139.6885	139.6885	0	53.53303	0.247128	5.651995	0	0.00851	0.244973	0	0	0	0
Santa Clara	2028	LDA	2011	Aggregate	Plug-in Hyb	20.45651478	20.4565148	525.8173	284.9255	240.8918	84.58769	0.003556	0	0.11551	0.001538	0	0.173285	0.157076	0.270611	2.272043
Santa Clara	2028	HHDT	2012	Aggregate	Diesel	317.2689239		18176.47	18176.47	0	3964.864	3.809779	37.09411	2.364614	0.025448	3.139063	0	0	0	0
Santa Clara	2028	LDA	2012	Aggregate	Diesel	64.844481		1747.43	1747.43	0	277.1038	0.030131	0	0	0.012305	0	0	0	0	0
Santa Clara	2028	LDT2	2012	Aggregate	Diesel	22.34507205		586.6387	586.6387	0	95.48854	0.02944	0	0	0.013321	0	0	0	0	0
Santa Clara	2028	LHDT1	2012	Aggregate	Diesel	117.8964231		3353.939	3353.939	0	1482.989	0.7311	2.596094	0	0.090887	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	2012	Aggregate	Diesel	118.1564418		3329.453	3329.453	0	1486.259	0.848756	2.596094	0	0.105513	0.10976	0	0	0	0
Santa Clara	2028	MDV	2012	Aggregate	Diesel	141.8437373		3768.052	3768.052	0	606.1494	0.030886	0	0	0.01289	0	0	0	0	0
Santa Clara	2028	MH	2012	Aggregate	Diesel	11.28980338		81.40486	81.40486	0	1.12898	2.504093	0	0	0.09106	0	0	0	0	0
Santa Clara	2028	MHDT	2012	Aggregate	Diesel	746.9224088		24123.6	24123.6	0	9078.159	2.028849	10.26242	2.225812	0.010274	0.177295	0	0	0	0
Santa Clara	2028	OBUS	2012	Aggregate	Diesel	61.00228661		2700.997	2700.997	0	627.3271	3.092925	7.214054	2.022684	0.01623	0.437071	0	0	0	0
Santa Clara	2028	SBUS	2012	Aggregate	Diesel	9.249123731		203.5867	203.5867	0	133.9273	1.88935	9.648306	1.490704	0.009496	0.166685	0	0	0	0
Santa Clara	2028	LDA	2012	Aggregate	Electricity	265.9758354	265.975835	7347.182	0	7347.182	1136.61	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDT1	2012	Aggregate	Electricity	26.55443037	26.5544304	733.4985	0	733.4985	113.4766	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDT2	2012	Aggregate	Electricity	3.243625805	3.24362581	62.59807	0	62.59807	13.86118	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDA	2012	Aggregate	Gasoline	17498.98877		471561	471561	0	74779.48	0.030793	0	0.259159	0.005626	0	0.282907	0.148463	0.410299	2.230583
Santa Clara	2028	LDT1	2012	Aggregate	Gasoline	1257.000899		33000.8	33000.8	0	5371.617	0.031024	0	0.260707	0.005651	0	0.284151	0.148465	0.41034	2.230779
Santa Clara	2028	LDT2	2012	Aggregate	Gasoline	5162.256708		135527.8	135527.8	0	22060.18	0.032251	0	0.267553	0.006223	0	0.327817	0.149701	0.427994	2.316776
Santa Clara	2028	LHDT1	2012	Aggregate	Gasoline	260.1501512		7401.539	7401.539	0	3875.85	0.021855	0.042601	0.642627	0.005967	0.489292	0.144605	0.041601	0.178721	2.249473
Santa Clara	2028	LHDT2	2012	Aggregate	Gasoline	67.08883979		1890.642	1890.642	0	999.5238	0.036896	0.042601	0.642627	0.006509	0.489292	0.144605	0.041601	0.178721	2.249473
Santa Clara	2028	MCY	2012	Aggregate	Gasoline	668.071364		2661.524	2661.524	0	1336.143	0.529709	0	0.044871	0.872622	0	0.833809	3.534753	3.76082	2.827294
Santa Clara	2028	MDV	2012	Aggregate	Gasoline	3459.950123		91912.92	91912.92	0	14785.61	0.033832	0	0.276338	0.006382	0	0.337248	0.149701	0.427994	2.316776
Santa Clara	2028	MH	2012	Aggregate	Gasoline	32.13202443		231.6872	231.6872	0	3.214488	0.106179	0	1.167966	0.01011	0	0.11206	6.808183	0.118241	2.430469
Santa Clara	2028	MHDT	2012	Aggregate	Gasoline	41.23234105		1546.081	1546.081	0	824.9767	0.071572	0.089556	0.354914	0.013162	1.02858	0.185734	0.029645	0.188066	2.325322
Santa Clara	2028	OBUS	2012	Aggregate	Gasoline	6.644835277		249.1601	249.1601	0	132.9499	0.081413	0.065345	0.323007	0.009516	0.750514	0.139317	0.031317	0.118241	2.430355
Santa Clara	2028	SBUS	2012	Aggregate	Gasoline	4.976319374		243.5458	243.5458	0	19.90528	0.181651	0.92653	1.033665	0.008701	10.64152	0.352086	0.164016	0.382464	2.513447
Santa Clara	2028	HHDT	2012	Aggregate	Natural Ga	38.51370226		2241.629	2241.629	0	266.1573	1.886688	12.44344	0	0.073068	0.44914	0	0	0	0
Santa Clara	2028	MHDT	2012	Aggregate	Natural Ga	0.162859068		5.191053	5.191053	0	0.835467	0.317036	8.270137	0	0.011036	0.35845	0	0	0	0
Santa Clara	2028	SBUS	2012	Aggregate	Natural Ga	0.342560138		7.540249	7.540249	0	4.960271	0.691373	5.349559	0	0.053967	0.231865	0	0	0	0
Santa Clara	2028	LDA	2012	Aggregate	Plug-in Hyb	211.8717029	211.871703	5711.641	3094.976	2616.665	876.0895	0.003556	0	0.11551	0.001538	0	0.173285	0.157074	0.270594	2.27191
Santa Clara	2028	HHDT	2013	Aggregate	Diesel	391.5937026		23973.96	23973.96	0	4885.568	3.57757	36.72754	3.27735	0.023981	3.108042	0	0	0	0
Santa Clara	2028	LDA	2013	Aggregate	Diesel	80.1127231		2256.991	2256.991	0	346.9402	0.029877	0	0	0.012108	0	0	0	0	0
Santa Clara	2028	LDT2	2013	Aggregate	Diesel	46.78721071		1271.278	1271.278	0	202.619	0.029259	0	0	0.013211	0	0	0	0	0
Santa Clara	2028	LHDT1	2013	Aggregate	Diesel	130.7845849		3839.756	3839.756	0	1645.106	0.719411	2.596094	0	0.090073	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	2013	Aggregate	Diesel	89.87345481		2607.727	2607.727	0	1130.495	0.835186	2.596094	0	0.104569	0.10976	0	0	0	0
Santa Clara	2028	MDV	2013	Aggregate	Diesel	95.12217584		2615.879	2615.879	0	411.9409	0.030628	0	0	0.01269	0	0	0	0	0
Santa Clara	2028	MH	2013	Aggregate	Diesel	19.49671129		147.0848	147.0848	0	1.949671	2.487916	0	0	0.089253	0	0	0	0	0
Santa Clara	2028	MHDT	2013	Aggregate	Diesel	756.1330195		25455.32	25455.32	0	9313.174	1.966716	10.162	1.560498	0.010059	0.17556	0	0	0	0
Santa Clara	2028	OBUS	2013	Aggregate	Diesel	67.88161699		3041.779	3041.779	0	712.9289	2.986065	7.90349	1.432419	0.015971	0.498403	0	0	0	0
Santa Clara	2028	SBUS	2013	Aggregate	Diesel	47.16839766		1060.377	1060.377	0	682.9984	1.792901	9.648306	0.77079	0.009171	0.166685	0	0	0	0
Santa Clara	2028	LDA	2013	Aggregate	Electricity	847.8224978	847.822498	24450.68	0	24450.68	3671.623	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDT1	2013	Aggregate	Electricity	32.50483699	32.504837	938.1768	0	938.1768	140.7671	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDA	2013	Aggregate	Gasoline	22422.63848		631695.7	631695.7	0	97104.6	0.029721	0	0.254894	0.005402	0	0.268068	0.146371	0.410299	2.229102
Santa Clara	2028	LDT1	2013	Aggregate	Gasoline	1702.631888		46263.05	46263.05	0	7373.503	0.02996	0	0.256574	0.005429	0	0.269293	0.146374	0.41034	2.229298
Santa Clara	2028	LDT2	2013	Aggregate	Gasoline	8048.40304		218687.1	218687.1	0	34854.82	0.032843	0	0.270898	0.006714	0	0.365746	0.147592	0.427994	2.315241
Santa Clara	2028	LHDT1	2013	Aggregate	Gasoline	372.0160871		10923.26	10923.26	0	5542.485	0.022005	0.042601	0.637847	0.00595	0.489292	0.142764	0.041601	0.178721	2.249473
Santa Clara	2028	LHDT2	2013	Aggregate	Gasoline	41.00668442		1189.95	1189.95	0	610.9385	0.03649	0.042601	0.637847	0.006492	0.489292	0.142764	0.041601	0.178721	2.249473
Santa Clara	2028	MCY	2013	Aggregate	Gasoline	817.783175		3414.127	3414.127	0	1635.566	0.526376	0	0.044953	0.866575	0	0.829729	3.534753	3.76082	2.827294
Santa Clara	2028	MDV	2013	Aggregate	Gasoline	3932.306958		108139.2	108139.2	0	17029.45	0.034465	0	0.278242	0.006867	0	0.376264	0.147592	0.427994	2.315241
Santa Clara	2028	MH	2013	Aggregate	Gasoline	54.28410036		409.5236	409.5236	0	5.430581	0.103798	0	1.080711	0.010086	0	0.110922	6.808183	0.118241	2.430469
Santa Clara	2028	MHDT	2013	Aggregate	Gasoline	34.44888844		1377.123	1377.123	0	689.2534	0.088771	0.089556	0.24714	0.005953	1.02858	0.161321	0.029645	0.188066	2.325322
Santa Clara	2028	OBUS	2013	Aggregate	Gasoline	15.68819832		627.1489	627.1489	0	313.8895	0.079126	0.065345	0.26391	0.01284	0.750514	0.131075	0.031317	0.118241	2.430355
Santa Clara	2028	HHDT	2013	Aggregate	Natural Ga	36.37606998		1995.535	1995.535	0	241.7661	1.827522	11.34428	0	0.070271	0.4109	0	0	0	0
Santa Clara	2028	MHDT	2013	Aggregate	Natural Ga	3.56760127		128.7853	128.7853	0	37.94884	0.264131	6.012398	0	0.009127	0.260594	0	0	0	0
Santa Clara	2028	SBUS	2013	Aggregate	Natural Ga	6.738342523		151.4824	151.4824	0	97.5712	0.691373	5.349559	0	0.053967	0.231865	0	0	0	0
Santa Clara	2028	LDA	2013	Aggregate	Plug-in Hyb	433.5944394	433.594439	12225.86	6624.847	5601.014	1792.913	0.003556	0	0.11551	0.001538	0	0.173285	0.157074	0.270593	2.271909
Santa Clara	2028	HHDT	2014	Aggregate	Diesel	429.329994		29046.65	29046.65	0	5576.418	1.536382	39.99892	3.178463	0.012028	3.384881	0	0	0	0
Santa Clara	2028	LDA	2014	Aggregate	Diesel	237.8052201		7012.108	7012.108	0	1043.475	0.029601	0	0	0.011895	0	0	0	0	0
Santa Clara	2028	LDT2	2014	Aggregate	Diesel	104.5026502		2944.125	2944.125	0	458.5514	0.029062	0	0	0.013091	0	0	0	0	0
Santa Clara	2028	LHDT1	2014	Aggregate	Diesel	184.4472628		5594.176	5594.176	0	2320.115	0.706397	2.596094	0	0.089168	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	2014	Aggregate	Diesel	142.0934245		4249.553	4249.553	0	1787.357	0.820077	2.596094	0	0.103518	0.10976	0	0	0	0
Santa Clara	2028	MDV	2014	Aggregate	Diesel	177.2947259		5052.764	5052.764	0	777.9586	0.030343	0	0	0.012469	0	0	0	0	0
Santa Clara	2028	MH	2014	Aggregate	Diesel	30.31872598		240.2767	240.2767	0	3.031873	2.471445	0	0	0.087413	0	0	0	0	0
Santa Clara	2028	MHDT	2014	Aggregate	Diesel	566.4870512		20384.91	20384.91	0	7041.856	0.394449	10.135	1.551236	0.006573	0.175094	0	0	0	0
Santa Clara	2028	OBUS	2014	Aggregate	Diesel	69.73630304		3452.592	3452.592	0	761.9004	0.749466	9.235681	1.462634	0.010273	0.616915	0	0	0	0
Santa Clara	2028	SBUS	2014	Aggregate	Diesel	38.9850738		894.1672	894.1672	0	564.5039	0.338663	9.648306	0.77079	0.005683	0.166685	0	0	0	0
Santa Clara	2028	UBUS	2014	Aggregate	Diesel	92.86032767		11081.6	11081.6	0	371.4413	0.307211	0	0	0.0582	0	0	0	0	0
Santa Clara	2028	LDA	2014	Aggregate	Electricity	818.1193018	818.119302	24665.42	0	24665.42	3589.858	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDT1	2014	Aggregate	Electricity	55.43428804	55.434288	1672.232	0	1672.232	243.2423	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDA	2014	Aggregate	Gasoline	23815.33048		702222.9	702222.9	0	104500.2	0.029119	0	0.25198	0.005403	0	0.270112	0.096701	0.158511	1.031492
Santa Clara	2028	LDT1	2014	Aggregate	Gasoline	1354.322573		38154.96	38154.96	0	5942.686	0.029371	0	0.253701	0.005431	0	0.271404	0.096702	0.158526	1.031565
Santa Clara	2028	LDT2	2014	Aggregate	Gasoline	9085.856565		255973.4	255973.4	0	39868.19	0.032201	0	0.269226	0.006698	0	0.365084	0.097115	0.164639	1.061878
Santa Clara	2028	LHDT1	2014	Aggregate	Gasoline	296.8472932		9004.103	9004.103	0	4422.582	0.021196	0.042601	0.633661	0.005946	0.489292	0.141065	0.027758	0.07308	1.028012
Santa Clara	2028	LHDT2	2014	Aggregate	Gasoline	46.31910226		1385.393	1385.393	0	690.0856	0.03635	0.042601	0.633661	0.006488	0.489292	0.141065	0.027758	0.07308	1.028012
Santa Clara	2028	MCY	2014	Aggregate	Gasoline	957.6179408		4196.551	4196.551	0	1915.236	0.523626	0	0.04502	0.861646	0	0.826366	3.495333	3.512151	1.592824
Santa Clara	2028	MDV	2014	Aggregate	Gasoline	5320.158733		151620.5	151620.5	0	23344.54	0.033794	0	0.276287	0.006848	0	0.375412	0.097115	0.164639	1.061878
Santa Clara	2028	MH	2014	Aggregate	Gasoline	64.19836532		508.7738	508.7738	0	6.422404	0.101451	0	0.966536	0.010113	0	0.109581	4.543209	0.048323	1.117633
Santa Clara	2028	MHDT	2014	Aggregate	Gasoline	28.4416438		1209.575	1209.575	0	569.0604	0.080221	0.089556	0.228898	0.01906	1.02858	0.175509	0.019779	0.076901	1.098106
Santa Clara	2028	OBUS	2014	Aggregate	Gasoline	5.734078097		243.8606	243.8606	0	114.7274	0.097304	0.065345	0.274899	0.009949	0.750514	0.135904	0.020897	0.048323	1.152451
Santa Clara	2028	SBUS	2014	Aggregate	Gasoline	4.00304568		195.9128	195.9128	0	16.01218	0.178318	0.92653	1.009489	0.008432	10.64152	0.343501	0.109459	0.155963	1.200488
Santa Clara	2028	HHDT	2014	Aggregate	Natural Ga	23.49205015		1386.01	1386.01	0	159.7452	1.858872	12.16765	0	0.071773	0.438015	0	0	0	0
Santa Clara	2028	MHDT	2014	Aggregate	Natural Ga	1.02002786		39.05313	39.05313	0	9.231312	0.281995	6.743569	0	0.009768	0.292285	0	0	0	0

Santa Clara	2028	SBUS	2014	Aggregate	Natural Ga	1.093039452		25.07011	25.07011	0	15.82721	0.691373	5.349559	0	0.053967	0.231865	0	0	0	0
Santa Clara	2028	LDA	2014	Aggregate	Plug-in Hyb	665.9857826	665.985783	19652.03	10648.88	9003.152	2753.851	0.003556	0	0.11551	0.001538	0	0.173285	0.105241	0.104507	1.053246
Santa Clara	2028	HHDT	2015	Aggregate	Diesel	502.5004481		38471.75	38471.75	0	6731.402	1.544571	43.49456	3.056805	0.011678	3.680697	0	0	0	0
Santa Clara	2028	LDA	2015	Aggregate	Diesel	207.2473136		6390.704	6390.704	0	921.262	0.029304	0	0	0.011665	0	0	0	0	0
Santa Clara	2028	LDT2	2015	Aggregate	Diesel	152.7242418		4464.623	4464.623	0	678.8944	0.028849	0	0	0.012962	0	0	0	0	0
Santa Clara	2028	LHDT1	2015	Aggregate	Diesel	315.6890441		9902.021	9902.021	0	3970.971	0.692057	2.596094	0	0.08817	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	2015	Aggregate	Diesel	188.0432301		5802.92	5802.92	0	2365.347	0.80343	2.596094	0	0.102359	0.10976	0	0	0	0
Santa Clara	2028	MDV	2015	Aggregate	Diesel	266.8830804		7883.049	7883.049	0	1186.357	0.030031	0	0	0.012228	0	0	0	0	0
Santa Clara	2028	MH	2015	Aggregate	Diesel	37.23480032		311.0367	311.0367	0	3.72348	2.45468	0	0	0.085541	0	0	0	0	0
Santa Clara	2028	MHDT	2015	Aggregate	Diesel	954.8067911		34484.72	34484.72	0	11684.62	0.380858	10.22407	1.562811	0.006377	0.176632	0	0	0	0
Santa Clara	2028	OBUS	2015	Aggregate	Diesel	100.7450002		5093.529	5093.529	0	1012.403	0.645837	6.475387	1.397204	0.009899	0.371359	0	0	0	0
Santa Clara	2028	SBUS	2015	Aggregate	Diesel	36.59688963		855.559	855.559	0	529.923	0.332823	9.648306	0.77079	0.005531	0.166685	0	0	0	0
Santa Clara	2028	LDA	2015	Aggregate	Electricity	1329.042589	1329.04259	41860.37	0	41860.37	5907.9	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDT2	2015	Aggregate	Electricity	0.617966675	0.61796667	13.56542	0	13.56542	2.747004	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDA	2015	Aggregate	Gasoline	29317.12717		904012.2	904012.2	0	130321.4	0.028493	0	0.2469	0.005317	0	0.262942	0.095369	0.158469	1.030573
Santa Clara	2028	LDT1	2015	Aggregate	Gasoline	4715.053892		137836.3	137836.3	0	20959.5	0.028754	0	0.248762	0.005346	0	0.264289	0.095373	0.158526	1.030851
Santa Clara	2028	LDT2	2015	Aggregate	Gasoline	11010.06095		321859.6	321859.6	0	48942.25	0.031053	0	0.268518	0.006567	0	0.355424	0.09578	0.164639	1.061145
Santa Clara	2028	LHDT1	2015	Aggregate	Gasoline	560.3437042		17577.71	17577.71	0	8348.286	0.021359	0.042601	0.629164	0.005967	0.489292	0.139533	0.027758	0.07308	1.028012
Santa Clara	2028	LHDT2	2015	Aggregate	Gasoline	112.9817888		3486.91	3486.91	0	1683.26	0.036187	0.042601	0.629164	0.006508	0.489292	0.139533	0.027758	0.07308	1.028012
Santa Clara	2028	MCY	2015	Aggregate	Gasoline	1080.184615		4968.4	4968.4	0	2160.369	0.518794	0	0.045139	0.852621	0	0.820437	3.495333	3.512151	1.592824
Santa Clara	2028	MDV	2015	Aggregate	Gasoline	5836.442081		172393.7	172393.7	0	25944.33	0.032599	0	0.275598	0.006717	0	0.365037	0.09578	0.164639	1.061145
Santa Clara	2028	MH	2015	Aggregate	Gasoline	38.16282573		318.7889	318.7889	0	3.817809	0.099107	0	0.837118	0.010091	0	0.108625	4.543209	0.048323	1.117633
Santa Clara	2028	MHDT	2015	Aggregate	Gasoline	55.39932097		2500.931	2500.931	0	1108.43	0.129685	0.089556	0.318398	0.014486	1.02858	0.181136	0.019779	0.076901	1.098106
Santa Clara	2028	OBUS	2015	Aggregate	Gasoline	16.37732319		739.3332	739.3332	0	327.6775	0.0797	0.065345	0.310887	0.009119	0.750514	0.135226	0.020897	0.048323	1.152451
Santa Clara	2028	SBUS	2015	Aggregate	Gasoline	38.16867024		1868.011	1868.011	0	152.6747	0.162838	0.92653	0.925636	0.008305	10.64152	0.330818	0.109459	0.155963	1.200488
Santa Clara	2028	HHDT	2015	Aggregate	Natural Ga	36.31987094		2233.645	2233.645	0	222.507	1.978078	11.59103	0	0.077249	0.400304	0	0	0	0
Santa Clara	2028	MHDT	2015	Aggregate	Natural Ga	4.545826043		169.1311	169.1311	0	54.38523	0.250844	5.751434	0	0.008644	0.249283	0	0	0	0
Santa Clara	2028	OBUS	2015	Aggregate	Natural Ga	1.508518863		70.60032	70.60032	0	13.42582	0.300741	1.583247	0	0.010423	0.068622	0	0	0	0
Santa Clara	2028	SBUS	2015	Aggregate	Natural Ga	4.337409141		101.3996	101.3996	0	62.80568	0.691373	5.349559	0	0.053967	0.231865	0	0	0	0
Santa Clara	2028	LDA	2015	Aggregate	Plug-in Hyb	512.8798257	512.879826	15829.68	8577.652	7252.024	2120.758	0.003556	0	0.11551	0.001538	0	0.173285	0.105238	0.10448	1.053037
Santa Clara	2028	LDT2	2015	Aggregate	Plug-in Hyb	6.127988673	6.12798867	179.1384	97.07001	82.06838	25.33923	0.003556	0	0.11551	0.001538	0	0.173285	0.105691	0.108549	1.084186
Santa Clara	2028	HHDT	2016	Aggregate	Diesel	375.4505732		37593.19	37593.19	0	5557.961	1.56525	55.12812	3.194779	0.011894	4.665179	0	0	0	0
Santa Clara	2028	LDA	2016	Aggregate	Diesel	43.43525508		1399.218	1399.218	0	195.5681	0.028985	0	0	0.011418	0	0	0	0	0
Santa Clara	2028	LDT2	2016	Aggregate	Diesel	67.6633772		2053.296	2053.296	0	304.6557	0.028621	0	0	0.012823	0	0	0	0	0
Santa Clara	2028	LHDT1	2016	Aggregate	Diesel	494.9052638		16074.63	16074.63	0	6225.286	0.597846	2.294619	0	0.08708	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	2016	Aggregate	Diesel	263.7901694		8410.387	8410.387	0	3318.148	0.694081	2.294699	0	0.101093	0.10976	0	0	0	0
Santa Clara	2028	MDV	2016	Aggregate	Diesel	191.7974423		5870.43	5870.43	0	863.5718	0.029691	0	0	0.011965	0	0	0	0	0
Santa Clara	2028	MH	2016	Aggregate	Diesel	60.6389703		535.3891	535.3891	0	6.063897	2.43762	0	0	0.083635	0	0	0	0	0
Santa Clara	2028	MHDT	2016	Aggregate	Diesel	1209.889768		45224.81	45224.81	0	14675.5	0.372612	10.26544	1.784189	0.006235	0.177347	0	0	0	0
Santa Clara	2028	OBUS	2016	Aggregate	Diesel	78.07892619		4232.177	4232.177	0	783.5041	0.639972	6.430035	1.613429	0.009645	0.367324	0	0	0	0
Santa Clara	2028	SBUS	2016	Aggregate	Diesel	28.58755817		680.5546	680.5546	0	413.9478	0.326671	9.648306	0.878374	0.005377	0.166685	0	0	0	0
Santa Clara	2028	UBUS	2016	Aggregate	Diesel	44.41146106		6287.494	6287.494	0	177.6458	0.423101	0	0	0.074339	0	0	0	0	0
Santa Clara	2028	LDA	2016	Aggregate	Electricity	2741.259041	2741.25904	90120.45	0	90120.45	12342.57	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDA	2016	Aggregate	Gasoline	29892.69653		962927.7	962927.7	0	134592.5	0.02863	0	0.251042	0.005729	0	0.293333	0.069756	0.145793	0.893585
Santa Clara	2028	LDT1	2016	Aggregate	Gasoline	3772.973733		114493.7	114493.7	0	16987.89	0.028914	0	0.252802	0.005759	0	0.294915	0.06976	0.145852	0.893879
Santa Clara	2028	LDT2	2016	Aggregate	Gasoline	13133.53611		398547	398547	0	59134.01	0.030238	0	0.26526	0.006484	0	0.345305	0.070162	0.151966	0.924154
Santa Clara	2028	LHDT1	2016	Aggregate	Gasoline	847.2446247		27521.45	27521.45	0	12622.68	0.020016	0.040343	0.591226	0.005676	0.463355	0.130616	0.020614	0.072387	0.897831
Santa Clara	2028	LHDT2	2016	Aggregate	Gasoline	101.3393141		3231.311	3231.311	0	1509.805	0.033833	0.040073	0.587272	0.00615	0.460257	0.129742	0.020614	0.072387	0.897831
Santa Clara	2028	MCY	2016	Aggregate	Gasoline	1153.379765		5578.486	5578.486	0	2306.76	0.51294	0	0.045282	0.841594	0	0.813251	3.495333	3.512151	1.592824
Santa Clara	2028	MDV	2016	Aggregate	Gasoline	7037.098479		215387.6	215387.6	0	31684.68	0.031711	0	0.272538	0.006632	0	0.354396	0.070162	0.151966	0.924154
Santa Clara	2028	MH	2016	Aggregate	Gasoline	82.55474545		728.8862	728.8862	0	8.258777	0.098099	0	0.702301	0.009946	0	0.10702	3.373881	0.047883	0.973164
Santa Clara	2028	MHDT	2016	Aggregate	Gasoline	46.08698582		2204.136	2204.136	0	922.1084	0.049622	0.089556	0.394109	0.00499	1.02858	0.165974	0.014689	0.07617	0.941374
Santa Clara	2028	OBUS	2016	Aggregate	Gasoline	12.97216209		620.4008	620.4008	0	259.547	0.073705	0.065345	0.313783	0.009969	0.750514	0.131776	0.015519	0.047883	0.986026
Santa Clara	2028	SBUS	2016	Aggregate	Gasoline	23.13453779		1132.226	1132.226	0	92.53835	0.153062	0.92653	0.866137	0.008622	10.64152	0.32694	0.081286	0.154916	1.02349
Santa Clara	2028	HHDT	2016	Aggregate	Natural Ga	219.3982188		13145.39	13145.39	0	2601.184	1.059494	19.1854	0	0.035311	0.798226	0	0	0	0
Santa Clara	2028	MHDT	2016	Aggregate	Natural Ga	9.422086769		411.5092	411.5092	0	112.1348	0.241559	5.690231	0	0.008313	0.24663	0	0	0	0
Santa Clara	2028	OBUS	2016	Aggregate	Natural Ga	1.895920408		94.63065	94.63065	0	16.87369	0.300741	1.583247	0	0.010423	0.068622	0	0	0	0
Santa Clara	2028	SBUS	2016	Aggregate	Natural Ga	6.175549365		147.015	147.015	0	89.42195	0.691373	5.349559	0	0.053967	0.231865	0	0	0	0
Santa Clara	2028	LDA	2016	Aggregate	Plug-in Hyb	578.9853905	578.98539	18682.98	10123.78	8559.203	2394.105	0.003556	0	0.11551	0.001538	0	0.173285	0.078035	0.096132	0.913182
Santa Clara	2028	LDT2	2016	Aggregate	Plug-in Hyb	19.25911193	19.2591119	584.4322	316.6872	267.745	79.63643	0.003556	0	0.11551	0.001538	0	0.173285	0.078488	0.100203	0.944347
Santa Clara	2028	MDV	2016	Aggregate	Plug-in Hyb	70.60855158	70.6085516	2161.147	1171.064	990.0829	291.9664	0.003556	0	0.11551	0.001538	0	0.173285	0.078488	0.100203	0.944347
Santa Clara	2028	HHDT	2017	Aggregate	Diesel	424.2641707		38490.5	38490.5	0	6121.535	1.527067	48.03043	3.462882	0.011687	4.064541	0	0	0	0
Santa Clara	2028	LDA	2017	Aggregate	Diesel	40.09758137		1348.215	1348.215	0	182.8374	0.028645	0	0	0.011154	0	0	0	0	0
Santa Clara	2028	LDT2	2017	Aggregate	Diesel	43.51391773		1371.428	1371.428	0	198.4152	0.028378	0	0	0.012675	0	0	0	0	0
Santa Clara	2028	LHDT1	2017	Aggregate	Diesel	493.5404241		16624.05	16624.05	0	6208.118	0.506255	1.993143	0	0.085897	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	2017	Aggregate	Diesel	274.2281793		9046.29	9046.29	0	3449.446	0.587744	1.993205	0	0.099721	0.10976	0	0	0	0
Santa Clara	2028	MDV	2017	Aggregate	Diesel	129.6600012		4112.298	4112.298	0	591.225	0.029325	0	0	0.011681	0	0	0	0	0
Santa Clara	2028	MH	2017	Aggregate	Diesel	55.09841609		515.2937	515.2937	0	5.509842	2.420266	0	0	0.081697	0	0	0	0	0
Santa Clara	2028	MHDT	2017	Aggregate	Diesel	1113.66174		42602.9	42602.9	0	13595.99	0.369989	10.25179	1.781086	0.006117	0.177111	0	0	0	0
Santa Clara	2028	OBUS	2017	Aggregate	Diesel	61.03399359		3593.231	3593.231	0	623.8749	0.658314	7.019057	1.638207	0.009646	0.419724	0	0	0	0
Santa Clara	2028	SBUS	2017	Aggregate	Diesel	71.66770186		1735.814	1735.814	0	1037.748	0.320169	9.648306	0.878374	0.005221	0.166685	0	0	0	0
Santa Clara	2028	UBUS	2017	Aggregate	Diesel	56.52367771		7889.424	7889.424	0	226.0947	0.423101	0	0	0.074339	0	0	0	0	0
Santa Clara	2028	LDA	2017	Aggregate	Electricity	5183.473946	5183.47395	177736.7	0	177736.7	23635.66	0	0	0	0	0	0	0	0	0
Santa Clara	2028	UBUS	2017	Aggregate	Electricity	5.046756939	5.04675694	199.0027	0	199.0027	20.18703	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDA	2017	Aggregate	Gasoline	33222.08089		1120258	1120258	0	151942.4	0.027373	0	0.241399	0.005389	0	0.27098	0.06882	0.145792	0.892974
Santa Clara	2028	LDT1	2017	Aggregate	Gasoline	1431.570818		45118.81	45118.81	0	6527.691	0.027664	0	0.243355	0.005421	0	0.272531	0.068824	0.145852	0.89327
Santa Clara	2028	LDT2	2017	Aggregate	Gasoline	19835.95153		625169.6	625169.6	0	90448.17	0.028965	0	0.256909	0.006161	0	0.32335	0.06922	0.151966	0.923526
Santa Clara	2028	LHDT1	2017	Aggregate	Gasoline	918.0341891		30925.48	30925.48	0	13677.34	0.018756	0.038085	0.555743	0.005406	0.437419	0.122154	0.020614	0.072387	0.897831
Santa Clara	2028	LHDT2	2017	Aggregate	Gasoline	131.032958		4322.972	4322.972	0	1952.196	0.031594	0.037513	0.54739	0.005808	0.430844	0.120318	0.020614	0.072387	0.897831
Santa Clara	2028	MCY	2017	Aggregate	Gasoline	1111.598083		5658.215	5658.215	0	2223.196	0.507792	0	0.045409	0.831923	0	0.806932	3.495333	3.512151	1.592824
Santa Clara	2028	MDV	2017	Aggregate	Gasoline	8168.643387		259076.8	259076.8	0	37247.46	0.030336	0	0.26428	0.006303	0	0.331531	0.06922	0.151966	0.923526
Santa Clara	2028	MH	2017	Aggregate	Gasoline	89.55997855		837.5866	837.5866	0	8.95958	0.095763	0	0.573379	0.009948	0	0.105201	3.373881	0.047883	0.973164
Santa Clara	2028	MHDT	2017	Aggregate	Gasoline	103.3824237		5228.083	5228.083	0	2068.476	0.109657	0.089556	0.251136	0.007899	1.02858	0.168976	0.014689	0.07617	0.941374
Santa Clara	2028	OBUS	2017	Aggregate	Gasoline	9.390931242		474.9025	474.9025	0	187.8938	0.083904	0.065345	0.310131	0.00978	0.750514	0.127822	0.015519	0.047883	0.986026
Santa Clara	2028	SBUS	2017	Aggregate	Gasoline	6.923337414		338.8347	338.8347	0	27.69335	0.1397	0.92653	0.804845	0.008416	10.64152	0.318505	0.081286	0.154916	1.02349
Santa Clara	2028	HHDT	2017	Aggregate	Natural Ga	44.55051215		2686.002	2686.002	0	438.8756	1.167121	16.1254	0	0.04485	0.650736	0	0	0	0
Santa Clara	2028	MHDT	2017	Aggregate	Natural Ga	19.54267741		805.3423	805.3423	0	156.1886	0.172603	7.176311	0	0.010623	0.311041	0	0	0	0
Santa Clara	2028	LDA	2017	Aggregate	Plug-in Hyb	1659.184957	1659.18496	55929.92	30306.84	25623.08	6860.73	0.003556	0	0.11551	0.001538	0	0.173285	0.078035	0.096131	0.913179
Santa Clara	2028	LDT1	2017	Aggregate	Plug-in Hyb	0.503533095	0.50353309	15.86985	8.599421	7.270428	2.082109	0.003556	0	0.11551	0.001538	0	0.173285	0.078039	0.096171	0.913481
Santa Clara	2028	MDV	2017	Aggregate	Plug-in Hyb	65.80066011	65.8006601	2086.935	1130.851	956.0839	272.0857	0.003556	0	0.11551	0.001538	0	0.173285	0.078488	0.100203	0.944347
Santa Clara	2028	HHDT	2018	Aggregate	Diesel	450.2540973		41596.64	41596.64	0	6175.952	1.489324	51.52811	3.623284	0.012156	4.36053	0	0	0	0
Santa Clara	2028	LDA	2018	Aggregate	Diesel	35.8424059		1256.231	1256.231	0	165.488	0.028283	0	0	0.010874	0	0	0	0	0
Santa Clara	2028	LDT2	2018	Aggregate	Diesel	44.61774521		1460.655	1460.655	0	206.0046	0.028118	0	0	0.012517	0	0	0	0	0
Santa Clara	2028	LHDT1	2018	Aggregate	Diesel	406.2963976		14216.75	14216.75	0	5110.698	0.407309	1.649401	0	0.084623	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	2018	Aggregate	Diesel	200.0233613		6838.742	6838.742	0	2516.042	0.473147	1.650415	0	0.098241	0.10976	0	0	0	0
Santa Clara	2028	MDV	2018	Aggregate	Diesel	274.904871		9031.498	9031.498	0	1269.263	0.028931	0	0	0.011376	0	0	0	0	0
Santa Clara	2028	MH	2018	Aggregate	Diesel	32.61035708		323.5839	323.5839	0	3.261036	2.402618	0	0	0.079726	0	0	0	0	0
Santa Clara	2028	MHDT	2018	Aggregate	Diesel	562.0556597		22257.73	22257.73	0	6916.427	0.365186	10.1992	1.773061	0.005997	0.176203	0	0	0	0
Santa Clara	2028	OBUS	2018	Aggregate	Diesel	60.76291056		3756.145	3756.145	0	607.0858	0.623647	6.29234	1.607504	0.009277	0.355075	0	0	0	0
Santa Clara	2028	SBUS	2018	Aggregate	Diesel	46.83627169		1153.153	1153.153	0	678.1892	0.313274	9.648306	0.878374	0.005063	0.166685	0	0	0	0
Santa Clara	2028	UBUS	2018	Aggregate	Diesel	47.43951522		864.8042	864.8042	0	189.7581	0.423101	0	0	0.074339	0	0	0	0	0
Santa Clara	2028	LDA	2018	Aggregate	Electricity	11201.66104	11201.661	400136	0	400136	51719.19	0	0	0	0	0	0	0	0	0
Santa Clara	2028	MDV	2018	Aggregate	Electricity	2.85646923	2.85646923	70.93042	0	70.93042	13.1886	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDA	2018	Aggregate	Gasoline	31396.5776		1100103	1100103	0	144961.1	0.02635	0	0.234196	0.005204	0	0.255778	0.055325	0.128274	0.765526
Santa Clara	2028	LDT1	2018	Aggregate	Gasoline	3145.294621		102967.8	102967.8	0	14522.14	0.026651	0	0.236394	0.005239	0	0.257331	0.055315	0.128109	0.764712
Santa Clara	2028	LDT2	2018	Aggregate	Gasoline	20681.76803		677060.6	677060.6	0	95489.79	0.027718	0	0.24872	0.005872	0	0.300765	0.055315	0.128109	0.764712
Santa Clara	2028	LHDT1	2018	Aggregate	Gasoline	800.136849		28000.45	28000.45	0	11920.85	0.017038	0.034844	0.50649	0.004997	0.400193	0.110739	0.017032	0.072018	0.829095
Santa Clara	2028	LHDT2	2018	Aggregate	Gasoline	82.76723291		2830.071	2830.071	0	1233.108	0.028325	0.033694	0.489781	0.005271	0.38699	0.107086	0.017032	0.072018	0.829095
Santa Clara	2028	MCY	2018	Aggregate	Gasoline	1208.013392		6483.083	6483.083	0	2416.027	0.501456	0	0.045564	0.819915	0	0.799149	3.495333	3.512151	1.592824
Santa Clara	2028	MDV	2018	Aggregate	Gasoline	8868.095492		291345.6	291345.6	0	40944.88	0.028976	0	0.256339	0.006009	0	0.307981	0.055315	0.128109	0.764712

Santa Clara	2028	MH	2018	Aggregate	Gasoline	58.34357737		578.9279	578.9279	0	5.836691	0.09343	0	0.422745	0.009879	0	0.103223	2.78755	0.047648	0.896935
Santa Clara	2028	MHDT	2018	Aggregate	Gasoline	49.90744478		2663.787	2663.787	0	998.5482	0.09172	0.089556	0.24044	0.012946	1.02858	0.168086	0.012136	0.075781	0.859109
Santa Clara	2028	OBUS	2018	Aggregate	Gasoline	4.800640162		256.232	256.232	0	96.05121	0.087301	0.065345	0.304936	0.01044	0.750514	0.123367	0.012822	0.047648	0.898699
Santa Clara	2028	SBUS	2018	Aggregate	Gasoline	4.100267258		200.671	200.671	0	16.40107	0.128922	0.92653	0.740691	0.008311	10.64152	0.309913	0.067159	0.154357	0.930673
Santa Clara	2028	HHDT	2018	Aggregate	Natural Ga	55.87942976		3269.158	3269.158	0	450.7451	0.13426	11.78735	0	0.009746	0.378887	0	0	0	0
Santa Clara	2028	MHDT	2018	Aggregate	Natural Ga	12.41492986		508.6317	508.6317	0	81.5336	0.056683	7.160869	0	0.012073	0.235367	0	0	0	0
Santa Clara	2028	LDA	2018	Aggregate	Plug-in Hyb	1815.880545	1815.88055	63952.28	34653.92	29298.35	7508.666	0.003556	0	0.11551	0.001538	0	0.173285	0.063577	0.084583	0.7832
Santa Clara	2028	LDT2	2018	Aggregate	Plug-in Hyb	72.00567445	72.0056745	2357.255	1277.33	1079.926	297.7435	0.003556	0	0.11551	0.001538	0	0.173285	0.063565	0.084475	0.78237
Santa Clara	2028	MDV	2018	Aggregate	Plug-in Hyb	185.6753597	185.67536	6099.556	3305.176	2794.379	767.7676	0.003556	0	0.11551	0.001538	0	0.173285	0.063565	0.084475	0.78237
Santa Clara	2028	HHDT	2019	Aggregate	Diesel	743.5786517		74482.39	74482.39	0	10702.92	1.478127	54.05333	3.406767	0.011673	4.574225	0	0	0	0
Santa Clara	2028	LDA	2019	Aggregate	Diesel	0.878764857		32.08553	32.08553	0	4.10769	0.027899	0	0	0.010577	0	0	0	0	0
Santa Clara	2028	LDT2	2019	Aggregate	Diesel	2.574097824		87.57376	87.57376	0	12.03234	0.027843	0	0	0.012349	0	0	0	0	0
Santa Clara	2028	LHDT1	2019	Aggregate	Diesel	349.6521689		12735.58	12735.58	0	4398.184	0.342703	1.43164	0	0.083256	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	2019	Aggregate	Diesel	197.1114647		6998.618	6998.618	0	2479.414	0.398056	1.432369	0	0.096654	0.10976	0	0	0	0
Santa Clara	2028	MDV	2019	Aggregate	Diesel	28.73430687		977.9467	977.9467	0	134.3154	0.02851	0	0	0.01105	0	0	0	0	0
Santa Clara	2028	MH	2019	Aggregate	Diesel	14.07848337		148.3953	148.3953	0	1.407848	2.384676	0	0	0.077722	0	0	0	0	0
Santa Clara	2028	MHDT	2019	Aggregate	Diesel	764.6788379		31670.02	31670.02	0	9427.635	0.356273	10.15411	1.774297	0.005845	0.175424	0	0	0	0
Santa Clara	2028	OBUS	2019	Aggregate	Diesel	97.23690495		6189.688	6189.688	0	934.5975	0.565669	5.096891	1.553791	0.008815	0.248727	0	0	0	0
Santa Clara	2028	SBUS	2019	Aggregate	Diesel	23.61129043		590.468	590.468	0	341.8915	0.305927	9.648306	0.878374	0.004904	0.166685	0	0	0	0
Santa Clara	2028	LDA	2019	Aggregate	Electricity	7994.968107	7994.96811	297365.7	0	297365.7	37371.6	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDT2	2019	Aggregate	Electricity	66.61784509	66.6178451	1721.527	0	1721.527	311.3978	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDA	2019	Aggregate	Gasoline	26252.34171		958339.5	958339.5	0	122713.7	0.024974	0	0.226262	0.004924	0	0.23639	0.039179	0.05571	0.420962
Santa Clara	2028	LDT1	2019	Aggregate	Gasoline	1410.670941		47992.64	47992.64	0	6594.026	0.025283	0	0.228754	0.004963	0	0.237876	0.03917	0.055582	0.420319
Santa Clara	2028	LDT2	2019	Aggregate	Gasoline	18623.20667		633588.9	633588.9	0	87052.13	0.026571	0	0.240906	0.005651	0	0.280847	0.03917	0.055582	0.420319
Santa Clara	2028	LHDT1	2019	Aggregate	Gasoline	670.9538164		24440.98	24440.98	0	9996.212	0.015342	0.031713	0.457586	0.004587	0.36424	0.099621	0.012101	0.038384	0.436292
Santa Clara	2028	LHDT2	2019	Aggregate	Gasoline	92.02548692		3267.774	3267.774	0	1371.043	0.024996	0.029896	0.431358	0.004717	0.343362	0.093911	0.012101	0.038384	0.436292
Santa Clara	2028	MCY	2019	Aggregate	Gasoline	1073.932967		6088.811	6088.811	0	2147.866	0.494067	0	0.045746	0.805822	0	0.790068	3.482735	3.43298	1.197794
Santa Clara	2028	MDV	2019	Aggregate	Gasoline	7189.427828		244685.8	244685.8	0	33606.19	0.027709	0	0.248744	0.005784	0	0.287132	0.03917	0.055582	0.420319
Santa Clara	2028	MH	2019	Aggregate	Gasoline	34.0338217		358.736	358.736	0	3.404744	0.091172	0	0.350418	0.009759	0	0.10128	1.980792	0.025388	0.474537
Santa Clara	2028	MHDT	2019	Aggregate	Gasoline	62.08336145		3490.371	3490.371	0	1242.164	0.08542	0.089556	0.39496	0.010754	1.02858	0.165085	0.008623	0.040388	0.462703
Santa Clara	2028	OBUS	2019	Aggregate	Gasoline	10.63171652		597.7228	597.7228	0	212.7194	0.077312	0.065345	0.305307	0.010854	0.750514	0.121676	0.009111	0.025388	0.485771
Santa Clara	2028	HHDT	2019	Aggregate	Natural Ga	28.47642334		1788.763	1788.763	0	227.9443	0.121872	7.574808	0	0.007423	0.260955	0	0	0	0
Santa Clara	2028	SBUS	2019	Aggregate	Natural Ga	0.67384333		16.85138	16.85138	0	9.757251	0.112274	4.959199	0	0.031187	0.163001	0	0	0	0
Santa Clara	2028	LDA	2019	Aggregate	Plug-in Hyb	1223.323951	1223.32395	44854.16	23594.26	21259.9	5058.445	0.003452	0	0.11551	0.001493	0	0.173285	0.045677	0.035644	0.431885
Santa Clara	2028	LDT2	2019	Aggregate	Plug-in Hyb	212.0704914	212.070491	7208.768	3791.968	3416.8	876.9115	0.003452	0	0.11551	0.001493	0	0.173285	0.045667	0.035562	0.431228
Santa Clara	2028	MDV	2019	Aggregate	Plug-in Hyb	43.06608025	43.0660803	1465.716	770.9983	694.7177	178.0782	0.003452	0	0.11551	0.001493	0	0.173285	0.045667	0.035562	0.431228
Santa Clara	2028	HHDT	2020	Aggregate	Diesel	607.5810498		69269.97	69269.97	0	9524.566	1.472086	64.88077	3.315425	0.011785	5.49049	0	0	0	0
Santa Clara	2028	LDA	2020	Aggregate	Diesel	13.31991603		506.2232	506.2232	0	63.02558	0.027494	0	0	0.010263	0	0	0	0	0
Santa Clara	2028	LDT1	2020	Aggregate	Diesel	0.01658152		0.586317	0.586317	0	0.078458	0.027552	0	0	0.012173	0	0	0	0	0
Santa Clara	2028	LDT2	2020	Aggregate	Diesel	48.25428555		1706.256	1706.256	0	228.3238	0.027552	0	0	0.012173	0	0	0	0	0
Santa Clara	2028	LHDT1	2020	Aggregate	Diesel	497.5054359		18908.77	18908.77	0	6257.993	0.2799	1.210108	0	0.081797	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	2020	Aggregate	Diesel	235.6694692		8710.538	8710.538	0	2964.425	0.325207	1.211086	0	0.09496	0.10976	0	0	0	0
Santa Clara	2028	MDV	2020	Aggregate	Diesel	74.0928282		2611.719	2611.719	0	350.5836	0.028062	0	0	0.010703	0	0	0	0	0
Santa Clara	2028	MH	2020	Aggregate	Diesel	29.52187398		330.8169	330.8169	0	2.952187	2.366439	0	0	0.075685	0	0	0	0	0
Santa Clara	2028	MHDT	2020	Aggregate	Diesel	342.392887		15137.65	15137.65	0	3775.113	0.336023	10.87596	1.776055	0.00584	0.187895	0	0	0	0
Santa Clara	2028	OBUS	2020	Aggregate	Diesel	2.916135276		458.4896	458.4896	0	67.01279	1.362633	47.20762	2.376415	0.011109	3.994912	0	0	0	0
Santa Clara	2028	SBUS	2020	Aggregate	Diesel	11.25211046		285.5906	285.5906	0	162.9306	0.29806	9.648306	0.878374	0.004743	0.166685	0	0	0	0
Santa Clara	2028	UBUS	2020	Aggregate	Diesel	101.5296617		11612.16	11612.16	0	406.1186	0.379855	0	0	0.068316	0	0	0	0	0
Santa Clara	2028	LDA	2020	Aggregate	Electricity	2621.807954	2621.80795	101462.9	0	101462.9	12405.56	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDT1	2020	Aggregate	Electricity	1.214428301	1.2144283	47.00136	0	47.00136	5.746286	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDT2	2020	Aggregate	Electricity	26.11005998	26.11006	701.7699	0	701.7699	123.5444	0	0	0	0	0	0	0	0	0
Santa Clara	2028	MDV	2020	Aggregate	Electricity	79.61280117	79.6128012	2139.783	0	2139.783	376.7023	0	0	0	0	0	0	0	0	0
Santa Clara	2028	HHDT	2020	Aggregate	Gasoline	0.094199438		13.51311	13.51311	0	1.884742	3.110666	0	0	0.436116	0	0	0.00676	0.040022	0.392362
Santa Clara	2028	LDA	2020	Aggregate	Gasoline	24122.31412		916692	916692	0	114139.1	0.02382	0	0.217057	0.004705	0	0.221174	0.0301	0.048857	0.347661
Santa Clara	2028	LDT1	2020	Aggregate	Gasoline	1428.752824		50520.22	50520.22	0	6760.401	0.024139	0	0.219793	0.004747	0	0.222648	0.030093	0.048754	0.347141
Santa Clara	2028	LDT2	2020	Aggregate	Gasoline	13257.01992		468766.7	468766.7	0	62727.98	0.025167	0	0.230925	0.005334	0	0.254074	0.030093	0.048754	0.347141
Santa Clara	2028	LHDT1	2020	Aggregate	Gasoline	829.8071622		31541.77	31541.77	0	12362.89	0.013587	0.028584	0.406573	0.004152	0.328293	0.088323	0.009487	0.038037	0.375403
Santa Clara	2028	LHDT2	2020	Aggregate	Gasoline	89.28339013		3300.318	3300.318	0	1330.189	0.021582	0.02613	0.37167	0.00414	0.30011	0.080741	0.009487	0.038037	0.375403
Santa Clara	2028	MCY	2020	Aggregate	Gasoline	904.1511899		5429.853	5429.853	0	1808.302	0.485083	0	0.045966	0.788582	0	0.779024	3.482735	3.43298	1.197794
Santa Clara	2028	MDV	2020	Aggregate	Gasoline	7436.801013		262147.8	262147.8	0	35188.56	0.026166	0	0.238812	0.005463	0	0.259277	0.030093	0.048754	0.347141
Santa Clara	2028	MH	2020	Aggregate	Gasoline	53.28786605		597.1344	597.1344	0	5.330918	0.089144	0	0.286911	0.009688	0	0.099645	1.552869	0.025168	0.407274
Santa Clara	2028	MHDT	2020	Aggregate	Gasoline	58.25123274		3444.386	3444.386	0	1165.491	0.090327	0.089556	0.381732	0.010212	1.02858	0.16423	0.00676	0.040022	0.392362
Santa Clara	2028	OBUS	2020	Aggregate	Gasoline	9.289436355		549.2829	549.2829	0	185.863	0.079328	0.065345	0.288279	0.00762	0.750514	0.119332	0.007142	0.025168	0.41124
Santa Clara	2028	SBUS	2020	Aggregate	Gasoline	5.207625234		254.8661	254.8661	0	20.8305	0.076933	0.92653	0.450699	0.00829	10.64152	0.298616	0.037415	0.08172	0.427196
Santa Clara	2028	UBUS	2020	Aggregate	Gasoline	0.118143518		12.3377	12.3377	0	0.472574	0.021607	0	0.377256	0.004318	0	0.131708	0.036682	0.091455	0.42212
Santa Clara	2028	HHDT	2020	Aggregate	Natural Ga	37.04579344		2388.65	2388.65	0	381.2861	0.136772	12.43387	0	0.010211	0.416276	0	0	0	0
Santa Clara	2028	MHDT	2020	Aggregate	Natural Ga	8.386332526		360.1076	360.1076	0	71.08502	0.055487	6.493085	0	0.011529	0.213418	0	0	0	0
Santa Clara	2028	SBUS	2020	Aggregate	Natural Ga	0.687349912		17.44568	17.44568	0	9.952827	0.112274	4.959199	0	0.031187	0.163001	0	0	0	0
Santa Clara	2028	UBUS	2020	Aggregate	Natural Ga	41.02397768		4691.998	4691.998	0	164.0959	0.058756	0	0	0.060648	0	0	0	0	0
Santa Clara	2028	LDA	2020	Aggregate	Plug-in Hyb	1166.094748	1166.09475	44393.5	22996.14	21397.36	4821.802	0.003399	0	0.11551	0.00147	0	0.173285	0.035574	0.030787	0.356937
Santa Clara	2028	LDT1	2020	Aggregate	Plug-in Hyb	2.709257183	2.70925718	95.80611	49.62823	46.17789	11.20278	0.003399	0	0.11551	0.00147	0	0.173285	0.035566	0.030722	0.356405
Santa Clara	2028	LDT2	2020	Aggregate	Plug-in Hyb	175.9690795	175.96908	6219.313	3221.647	2997.666	727.6321	0.003399	0	0.11551	0.00147	0	0.173285	0.035566	0.030722	0.356405
Santa Clara	2028	MDV	2020	Aggregate	Plug-in Hyb	66.78615209	66.7861521	2348.294	1216.433	1131.862	276.1607	0.003399	0	0.11551	0.00147	0	0.173285	0.035566	0.030722	0.356405
Santa Clara	2028	HHDT	2021	Aggregate	Diesel	565.2222115		70279.96	70279.96	0	9226.663	1.444663	70.33254	3.219063	0.011598	5.951842	0	0	0	0
Santa Clara	2028	LDA	2021	Aggregate	Diesel	16.54028705		654.0681	654.0681	0	79.21094	0.007616	0	0	0.003684	0	0	0	0	0
Santa Clara	2028	LDT1	2021	Aggregate	Diesel	0.020298618		0.746377	0.746377	0	0.097209	0.027246	0	0	0.011986	0	0	0	0	0
Santa Clara	2028	LDT2	2021	Aggregate	Diesel	58.94839636		2167.522	2167.522	0	282.3021	0.027246	0	0	0.011986	0	0	0	0	0
Santa Clara	2028	LHDT1	2021	Aggregate	Diesel	603.3307242		23998.96	23998.96	0	7589.142	0.221371	0.993968	0	0.080245	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	2021	Aggregate	Diesel	286.4152981		11052	11052	0	3602.744	0.256759	0.993048	0	0.093159	0.10976	0	0	0	0
Santa Clara	2028	MDV	2021	Aggregate	Diesel	91.19929774		3330.213	3330.213	0	436.7507	0.007994	0	0	0.003914	0	0	0	0	0
Santa Clara	2028	MH	2021	Aggregate	Diesel	35.23751454		419.9766	419.9766	0	3.523751	2.347908	0	0	0.073615	0	0	0	0	0
Santa Clara	2028	MHDT	2021	Aggregate	Diesel	132.323834		5596.056	5596.056	0	1549.441	0.352173	10.83342	1.581213	0.006062	0.18716	0	0	0	0
Santa Clara	2028	OBUS	2021	Aggregate	Diesel	5.978980014		445.8549	445.8549	0	61.40888	0.617603	7.173517	1.644555	0.008383	0.433464	0	0	0	0
Santa Clara	2028	SBUS	2021	Aggregate	Diesel	14.05141205		361.6912	361.6912	0	203.4644	0.28958	9.648306	0.878374	0.00458	0.166685	0	0	0	0
Santa Clara	2028	UBUS	2021	Aggregate	Diesel	1.020610454		113.5768	113.5768	0	4.082442	0.385833	0	0	0.069149	0	0	0	0	0
Santa Clara	2028	LDA	2021	Aggregate	Electricity	3531.682522	3531.68252	142165.3	0	142165.3	16913.12	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDT1	2021	Aggregate	Electricity	3.88860445	3.88860445	156.5581	0	156.5581	18.62241	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDT2	2021	Aggregate	Electricity	191.9761091	191.976109	5363.45	0	5363.45	919.3678	0	0	0	0	0	0	0	0	0
Santa Clara	2028	MDV	2021	Aggregate	Electricity	174.5783051	174.578305	4877.389	0	4877.389	836.0503	0	0	0	0	0	0	0	0	0
Santa Clara	2028	HHDT	2021	Aggregate	Gasoline	0.104423999		16.26398	16.26398	0	2.089315	2.97856	0	0	0.414683	0	0	0.005787	0.040022	0.379834
Santa Clara	2028	LDA	2021	Aggregate	Gasoline	29570.0157		1169202	1169202	0	141609.9	0.022482	0	0.203658	0.004347	0	0.200024	0.025367	0.046631	0.340308
Santa Clara	2028	LDT1	2021	Aggregate	Gasoline	1742.525553		64072.29	64072.29	0	8344.903	0.022807	0	0.206675	0.004392	0	0.201438	0.025358	0.046508	0.339689
Santa Clara	2028	LDT2	2021	Aggregate	Gasoline	15919.00927		585373.2	585373.2	0	76235.66	0.023826	0	0.218825	0.005002	0	0.231978	0.025358	0.046508	0.339689
Santa Clara	2028	LHDT1	2021	Aggregate	Gasoline	1019.938044		40574.6	40574.6	0	15195.56	0.01179	0.025427	0.354003	0.003694	0.292041	0.076898	0.008122	0.038037	0.368845
Santa Clara	2028	LHDT2	2021	Aggregate	Gasoline	109.7536375		4235.522	4235.522	0	1635.166	0.018065	0.022299	0.310444	0.003534	0.256106	0.067436	0.008122	0.038037	0.368845
Santa Clara	2028	MCY	2021	Aggregate	Gasoline	1113.53518		7105.259	7105.259	0	2227.07	0.478494	0	0.046128	0.776026	0	0.770928	3.482735	3.43298	1.197794
Santa Clara	2028	MDV	2021	Aggregate	Gasoline	9061.866433		330916.7	330916.7	0	43397.01	0.024682	0	0.226234	0.005121	0	0.236213	0.025358	0.046508	0.339689
Santa Clara	2028	MH	2021	Aggregate	Gasoline	66.12120884		788.0624	788.0624	0	6.614766	0.087412	0	0.283843	0.009697	0	0.098403	1.329527	0.025168	0.399513
Santa Clara	2028	MHDT	2021	Aggregate	Gasoline	69.53236905		4316.39	4316.39	0	1391.204	0.085359	0.089556	0.379029	0.009724	1.02858	0.157684	0.005787	0.040022	0.379834
Santa Clara	2028	OBUS	2021	Aggregate	Gasoline	11.54480574		716.6717	716.6717	0	230.9885	0.074854	0.065345	0.277018	0.009042	0.750514	0.11583	0.006115	0.025168	0.397687
Santa Clara	2028	SBUS	2021	Aggregate	Gasoline	6.17503478		302.212	302.212	0	24.70014	0.072312	0.92653	0.417067	0.008268	10.64152	0.291344	0.032035	0.08172	0.412236
Santa Clara	2028	UBUS	2021	Aggregate	Gasoline	0.136044051		14.20705	14.20705	0	0.544176	0.018086	0	0.31511	0.003685	0	0.110005	0.031405	0.091455	0.407607
Santa Clara	2028	HHDT	2021	Aggregate	Natural Ga	43.48119114		2864.559	2864.559	0	392.6821	0.126372	9.698693	0	0.008265	0.329778	0	0	0	0
Santa Clara	2028	MHDT	2021	Aggregate	Natural Ga	4.069383273		167.7616	167.7616	0	31.64433	0.058093	6.848745	0	0.012523	0.225108	0	0	0	0
Santa Clara	2028	OBUS	2021	Aggregate	Natural Ga	0.12712055		8.346147	8.346147	0	1.131373	0.058345	1.467717	0	0.012319	0.048242	0	0	0	0
Santa Clara	2028	SBUS	2021	Aggregate	Natural Ga	0.858348918		22.09438	22.09438	0	12.42889	0.112274	4.959199	0	0.031187	0.163001	0	0	0	0
Santa Clara	2028	UBUS	2021	Aggregate	Natural Ga	0.412386881		45.89172	45.89172	0	1.649548	0.05962	0	0	0.061182	0	0	0	0	0
Santa Clara	2028	LDA	2021	Aggregate	Plug-in Hyb	1556.402997	1556.403	61658.96	31047.19	30611.77	6435.726	0.003304	0	0.11551	0.001429	0	0.173285	0.030403	0.028561	0.349821
Santa Clara	2028	LDT1	2021	Aggregate	Plug-in Hyb	7.427050994	7.42705099	273.1488	137.5389	135.6099	30.71086	0.003304	0	0.11551	0.001429	0	0.173285	0.030393	0.028485	0.349187
Santa Clara	2028	LDT2	2021	Aggregate	Plug-in Hyb	330.9181187	330.918119	12133.68	6109.681	6023.994	1368.346	0.003304	0	0.11551	0.001429	0	0.173285	0.030393	0.028485	0.349187

Santa Clara	2028	MDV	2021	Aggregate	Plug-in Hyb	97.55597928	97.5559793	3546.681	1785.864	1760.817	403.394	0.003304	0	0.11551	0.001429	0	0.173285	0.030393	0.028485	0.349187
Santa Clara	2028	HHDT	2022	Aggregate	Diesel	563.657879		72360.98	72360.98	0	9203.422	1.403213	70.78301	3.235063	0.011259	5.989963	0	0	0	0
Santa Clara	2028	LDA	2022	Aggregate	Diesel	19.6377936		807.3413	807.3413	0	95.16985	0.00729	0	0	0.003486	0	0	0	0	0
Santa Clara	2028	LDT1	2022	Aggregate	Diesel	0.024058808		0.919859	0.919859	0	0.116595	0.026924	0	0	0.01179	0	0	0	0	0
Santa Clara	2028	LDT2	2022	Aggregate	Diesel	68.64364736		2624.505	2624.505	0	332.665	0.026924	0	0	0.01179	0	0	0	0	0
Santa Clara	2028	LHDT1	2022	Aggregate	Diesel	705.9216767		29496.54	29496.54	0	8879.607	0.164624	0.770653	0	0.078602	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	2022	Aggregate	Diesel	337.5216917		13646.43	13646.43	0	4245.598	0.191098	0.77057	0	0.091251	0.10976	0	0	0	0
Santa Clara	2028	MDV	2022	Aggregate	Diesel	107.474189		4064.219	4064.219	0	520.8479	0.007628	0	0	0.003692	0	0	0	0	0
Santa Clara	2028	MH	2022	Aggregate	Diesel	41.16400935		521.8975	521.8975	0	4.116401	2.329082	0	0	0.071513	0	0	0	0	0
Santa Clara	2028	MHDT	2022	Aggregate	Diesel	151.8702833		6891.96	6891.96	0	1735.248	0.329858	10.82331	1.636394	0.005743	0.186985	0	0	0	0
Santa Clara	2028	OBUS	2022	Aggregate	Diesel	48.25526001		3627.312	3627.312	0	480.7133	0.556563	6.200441	1.60352	0.007863	0.346899	0	0	0	0
Santa Clara	2028	SBUS	2022	Aggregate	Diesel	14.70300594		383.5476	383.5476	0	212.8995	0.280366	9.648306	0.878374	0.004415	0.166685	0	0	0	0
Santa Clara	2028	UBUS	2022	Aggregate	Diesel	1.020610454		113.5768	113.5768	0	4.082442	0.385833	0	0	0.069149	0	0	0	0	0
Santa Clara	2028	LDA	2022	Aggregate	Electricity	4472.2166	4472.2166	187120.1	0	187120.1	21673.52	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDT1	2022	Aggregate	Electricity	12.7110338	12.7110338	531.9581	0	531.9581	61.60097	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDT2	2022	Aggregate	Electricity	383.4863873	383.486387	11130.34	0	11130.34	1858.475	0	0	0	0	0	0	0	0	0
Santa Clara	2028	MDV	2022	Aggregate	Electricity	380.0300309	380.030031	11030.02	0	11030.02	1841.724	0	0	0	0	0	0	0	0	0
Santa Clara	2028	HHDT	2022	Aggregate	Gasoline	0.11159868		18.8615	18.8615	0	2.232866	2.834605	0	0	0.387811	0	0	0.004315	0.039657	0.314517
Santa Clara	2028	LDA	2022	Aggregate	Gasoline	34758.13469		1428811	1428811	0	168447	0.021049	0	0.187381	0.00391	0	0.176937	0.018406	0.04062	0.26957
Santa Clara	2028	LDT1	2022	Aggregate	Gasoline	2052.428388		78471.75	78471.75	0	9946.602	0.021379	0	0.190673	0.003957	0	0.178264	0.018406	0.04062	0.26957
Santa Clara	2028	LDT2	2022	Aggregate	Gasoline	18353.40581		701795.2	701795.2	0	88945.38	0.022505	0	0.206023	0.004686	0	0.211097	0.018406	0.04062	0.26957
Santa Clara	2028	LHDT1	2022	Aggregate	Gasoline	1191.598133		49795.24	49795.24	0	17753.04	0.01007	0.022299	0.303522	0.003243	0.256115	0.065934	0.006056	0.037691	0.310586
Santa Clara	2028	LHDT2	2022	Aggregate	Gasoline	130.5422737		5278.518	5278.518	0	1944.885	0.014664	0.01847	0.251408	0.00293	0.21214	0.054613	0.006056	0.037691	0.310586
Santa Clara	2028	MCY	2022	Aggregate	Gasoline	1336.731941		9097.185	9097.185	0	2673.464	0.469693	0	0.046344	0.759148	0	0.760108	3.482735	3.43298	1.197794
Santa Clara	2028	MDV	2022	Aggregate	Gasoline	10431.71304		394540.3	394540.3	0	50554.79	0.02321	0	0.212724	0.004791	0	0.214404	0.018406	0.04062	0.26957
Santa Clara	2028	MH	2022	Aggregate	Gasoline	82.371787		1044.35	1044.35	0	8.240474	0.0838	0	0.286135	0.009809	0	0.09831	0.991176	0.024948	0.335363
Santa Clara	2028	MHDT	2022	Aggregate	Gasoline	81.12753755		5279.288	5279.288	0	1623.2	0.080675	0.089556	0.340212	0.010569	1.02858	0.151136	0.004315	0.039657	0.314517
Santa Clara	2028	OBUS	2022	Aggregate	Gasoline	13.97151694		909.1816	909.1816	0	279.5421	0.076952	0.065345	0.276348	0.008282	0.750514	0.112118	0.004559	0.024948	0.328591
Santa Clara	2028	SBUS	2022	Aggregate	Gasoline	7.099025447		347.433	347.433	0	28.3961	0.072111	0.92653	0.395385	0.008353	10.64152	0.288816	0.023881	0.081196	0.339319
Santa Clara	2028	UBUS	2022	Aggregate	Gasoline	0.136044051		14.20705	14.20705	0	0.544176	0.014681	0	0.255186	0.003056	0	0.089087	0.023413	0.090649	0.336095
Santa Clara	2028	HHDT	2022	Aggregate	Natural Ga	48.95947024		3278.358	3278.358	0	423.6759	0.123935	8.887857	0	0.007809	0.304086	0	0	0	0
Santa Clara	2028	MHDT	2022	Aggregate	Natural Ga	4.351374575		189.6364	189.6364	0	34.3123	0.057126	6.763486	0	0.012166	0.222305	0	0	0	0
Santa Clara	2028	OBUS	2022	Aggregate	Natural Ga	1.05090415		71.96169	71.96169	0	9.353047	0.058345	1.467717	0	0.012319	0.048242	0	0	0	0
Santa Clara	2028	SBUS	2022	Aggregate	Natural Ga	0.898152384		23.42951	23.42951	0	13.00525	0.112274	4.959199	0	0.031187	0.163001	0	0	0	0
Santa Clara	2028	UBUS	2022	Aggregate	Natural Ga	0.412386881		45.89172	45.89172	0	1.649548	0.05962	0	0	0.061182	0	0	0	0	0
Santa Clara	2028	LDA	2022	Aggregate	Plug-in Hyb	1918.187182	1918.18718	79011.74	35867.35	43144.39	7931.704	0.002979	0	0.11551	0.001288	0	0.173285	0.022426	0.022433	0.277891
Santa Clara	2028	LDT1	2022	Aggregate	Plug-in Hyb	13.58972924	13.5897292	519.8869	236.0025	283.8845	56.19353	0.002979	0	0.11551	0.001288	0	0.173285	0.022426	0.022433	0.277891
Santa Clara	2028	LDT2	2022	Aggregate	Plug-in Hyb	409.213469	409.213469	15570.28	7068.124	8502.159	1692.098	0.002979	0	0.11551	0.001288	0	0.173285	0.022426	0.022433	0.277891
Santa Clara	2028	MDV	2022	Aggregate	Plug-in Hyb	187.9486079	187.948608	7050.332	3200.495	3849.836	777.1675	0.002979	0	0.11551	0.001288	0	0.173285	0.022426	0.022433	0.277891
Santa Clara	2028	HHDT	2023	Aggregate	Diesel	555.5122208		76103.09	76103.09	0	9177.792	1.348718	73.55355	3.200998	0.010928	6.224417	0	0	0	0
Santa Clara	2028	LDA	2023	Aggregate	Diesel	20.13130051		859.8269	859.8269	0	98.71484	0.006948	0	0	0.003277	0	0	0	0	0
Santa Clara	2028	LDT1	2023	Aggregate	Diesel	0.024623689		0.978969	0.978969	0	0.120743	0.026587	0	0	0.011585	0	0	0	0	0
Santa Clara	2028	LDT2	2023	Aggregate	Diesel	69.07078409		2746.061	2746.061	0	338.692	0.026587	0	0	0.011585	0	0	0	0	0
Santa Clara	2028	LHDT1	2023	Aggregate	Diesel	712.1066709		31404.87	31404.87	0	8957.406	0.15722	0.770653	0	0.076866	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	2023	Aggregate	Diesel	339.4522958		14447.08	14447.08	0	4269.883	0.182503	0.77057	0	0.089236	0.10976	0	0	0	0
Santa Clara	2028	MDV	2023	Aggregate	Diesel	110.0878732		4310.483	4310.483	0	539.8214	0.007243	0	0	0.003457	0	0	0	0	0
Santa Clara	2028	MH	2023	Aggregate	Diesel	41.52814883		560.0434	560.0434	0	4.152815	2.309963	0	0	0.069377	0	0	0	0	0
Santa Clara	2028	MHDT	2023	Aggregate	Diesel	507.509935		23300.09	23300.09	0	6118.671	0.315928	10.33996	1.745065	0.00525	0.178635	0	0	0	0
Santa Clara	2028	OBUS	2023	Aggregate	Diesel	45.91831678		3673.52	3673.52	0	475.9108	0.561033	7.468027	1.656492	0.00761	0.459664	0	0	0	0
Santa Clara	2028	SBUS	2023	Aggregate	Diesel	15.17982204		401.0266	401.0266	0	219.8038	0.268403	9.648306	0.878374	0.004249	0.166685	0	0	0	0
Santa Clara	2028	UBUS	2023	Aggregate	Diesel	1.020610454		113.5768	113.5768	0	4.082442	0.385833	0	0	0.069149	0	0	0	0	0
Santa Clara	2028	LDA	2023	Aggregate	Electricity	4793.2784	4793.2784	208322.9	0	208322.9	23504.08	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDT1	2023	Aggregate	Electricity	18.72757771	18.7275777	814.2143	0	814.2143	91.83161	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDT2	2023	Aggregate	Electricity	438.5832694	438.583269	13216.82	0	13216.82	2150.615	0	0	0	0	0	0	0	0	0
Santa Clara	2028	MDV	2023	Aggregate	Electricity	522.4215541	522.421554	15743.3	0	15743.3	2561.72	0	0	0	0	0	0	0	0	0
Santa Clara	2028	HHDT	2023	Aggregate	Gasoline	0.099107726		18.16735	18.16735	0	1.982947	2.745653	0	0	0.365872	0	0	0.003585	0.039657	0.307013
Santa Clara	2028	LDA	2023	Aggregate	Gasoline	35424.96397		1512866	1512866	0	173708.1	0.019597	0	0.168268	0.003499	0	0.156412	0.014994	0.039315	0.265076
Santa Clara	2028	LDT1	2023	Aggregate	Gasoline	2089.424708		83069.04	83069.04	0	10245.6	0.019932	0	0.171779	0.003548	0	0.157657	0.014994	0.039315	0.265076
Santa Clara	2028	LDT2	2023	Aggregate	Gasoline	18385.61914		731057.3	731057.3	0	90154.8	0.021048	0	0.188321	0.00423	0	0.186631	0.014994	0.039315	0.265076
Santa Clara	2028	LHDT1	2023	Aggregate	Gasoline	1202.863337		53053.21	53053.21	0	17920.87	0.009938	0.022299	0.300895	0.003288	0.256115	0.065038	0.005031	0.037691	0.306657
Santa Clara	2028	LHDT2	2023	Aggregate	Gasoline	134.0498217		5705.726	5705.726	0	1997.143	0.014577	0.01847	0.249232	0.002971	0.21214	0.053871	0.005031	0.037691	0.306657
Santa Clara	2028	MCY	2023	Aggregate	Gasoline	1383.337924		10088.44	10088.44	0	2766.676	0.454169	0	0.046725	0.728968	0	0.741003	3.482735	3.43298	1.197794
Santa Clara	2028	MDV	2023	Aggregate	Gasoline	10542.39166		412871.2	412871.2	0	51695.14	0.021592	0	0.193954	0.004316	0	0.188999	0.014994	0.039315	0.265076
Santa Clara	2028	MH	2023	Aggregate	Gasoline	86.04328297		1160.369	1160.369	0	8.60777	0.084006	0	0.29	0.010108	0	0.100002	0.823571	0.024948	0.330714
Santa Clara	2028	MHDT	2023	Aggregate	Gasoline	81.2543285		5533.577	5533.577	0	1625.737	0.077471	0.089556	0.325286	0.010317	1.02858	0.144578	0.003585	0.039657	0.307013
Santa Clara	2028	OBUS	2023	Aggregate	Gasoline	14.57825288		992.8072	992.8072	0	291.6817	0.07612	0.065345	0.281738	0.008605	0.750514	0.106561	0.003788	0.024948	0.320474
Santa Clara	2028	SBUS	2023	Aggregate	Gasoline	7.048346692		344.9527	344.9527	0	28.19339	0.07273	0.92653	0.396865	0.008452	10.64152	0.287625	0.019844	0.081196	0.330359
Santa Clara	2028	UBUS	2023	Aggregate	Gasoline	18.30436903		1378.785	1378.785	0	73.21748	0.014594	0	0.252978	0.003098	0	0.087877	0.019454	0.090649	0.327403
Santa Clara	2028	HHDT	2023	Aggregate	Natural Ga	51.21560707		3475.419	3475.419	0	424.01	0.121576	8.08739	0	0.007368	0.27871	0	0	0	0
Santa Clara	2028	MHDT	2023	Aggregate	Natural Ga	9.557567728		433.6357	433.6357	0	98.20136	0.055141	5.92681	0	0.011275	0.194805	0	0	0	0
Santa Clara	2028	OBUS	2023	Aggregate	Natural Ga	0.969098515		68.84271	68.84271	0	8.624977	0.058345	1.467717	0	0.012319	0.048242	0	0	0	0
Santa Clara	2028	SBUS	2023	Aggregate	Natural Ga	0.92727932		24.49724	24.49724	0	13.427	0.112274	4.959199	0	0.031187	0.163001	0	0	0	0
Santa Clara	2028	UBUS	2023	Aggregate	Natural Ga	0.412386881		45.89172	45.89172	0	1.649548	0.05962	0	0	0.061182	0	0	0	0	0
Santa Clara	2028	LDA	2023	Aggregate	Plug-in Hyb	1964.37807	1964.37807	84067.98	36846.31	47221.67	8122.703	0.002876	0	0.11551	0.001244	0	0.173285	0.018523	0.020963	0.273616
Santa Clara	2028	LDT1	2023	Aggregate	Plug-in Hyb	19.38365874	19.3836587	771.2746	338.0434	433.2313	80.15143	0.002876	0	0.11551	0.001244	0	0.173285	0.018523	0.020963	0.273616
Santa Clara	2028	LDT2	2023	Aggregate	Plug-in Hyb	441.0403585	441.040359	17437.92	7642.898	9795.022	1823.702	0.002876	0	0.11551	0.001244	0	0.173285	0.018523	0.020963	0.273616
Santa Clara	2028	MDV	2023	Aggregate	Plug-in Hyb	202.3819568	202.381957	7839.612	3436.038	4403.574	836.8494	0.002876	0	0.11551	0.001244	0	0.173285	0.018523	0.020963	0.273616
Santa Clara	2028	HHDT	2024	Aggregate	Diesel	563.9436467		81532.78	81532.78	0	9251.921	1.293019	73.83068	3.160388	0.010488	6.247869	0	0	0	0
Santa Clara	2028	LDA	2024	Aggregate	Diesel	20.53856292		910.7993	910.7993	0	101.8885	0.00659	0	0	0.00306	0	0	0	0	0
Santa Clara	2028	LDT1	2024	Aggregate	Diesel	0.024934194		1.030807	1.030807	0	0.123695	0.026233	0	0	0.01137	0	0	0	0	0
Santa Clara	2028	LDT2	2024	Aggregate	Diesel	69.43998129		2870.725	2870.725	0	344.4806	0.026233	0	0	0.01137	0	0	0	0	0
Santa Clara	2028	LHDT1	2024	Aggregate	Diesel	685.168845		32094.45	32094.45	0	8618.562	0.149423	0.770653	0	0.075038	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	2024	Aggregate	Diesel	324.5511246		14630.01	14630.01	0	4082.445	0.173452	0.77057	0	0.087114	0.10976	0	0	0	0
Santa Clara	2028	MDV	2024	Aggregate	Diesel	110.9234025		4496.181	4496.181	0	550.2733	0.006838	0	0	0.003211	0	0	0	0	0
Santa Clara	2028	MH	2024	Aggregate	Diesel	41.65542006		597.3653	597.3653	0	4.165542	2.290549	0	0	0.067209	0	0	0	0	0
Santa Clara	2028	MHDT	2024	Aggregate	Diesel	342.4238886		16293.97	16293.97	0	4072.139	0.30109	10.42428	1.729453	0.005094	0.180091	0	0	0	0
Santa Clara	2028	OBUS	2024	Aggregate	Diesel	45.04368502		3626.765	3626.765	0	455.6763	0.509979	6.686916	1.624348	0.007099	0.390176	0	0	0	0
Santa Clara	2028	SBUS	2024	Aggregate	Diesel	14.40394061		385.1146	385.1146	0	208.5691	0.257238	9.648306	0.878374	0.004081	0.166685	0	0	0	0
Santa Clara	2028	UBUS	2024	Aggregate	Diesel	0.806368387		87.89422	87.89422	0	3.225474	0.386983	0	0	0.069309	0	0	0	0	0
Santa Clara	2028	HHDT	2024	Aggregate	Electricity	22.07440643	22.0744064	2076.185	0	2076.185	260.3193	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDA	2024	Aggregate	Electricity	5125.799137	5125.79914	231280.7	0	231280.7	25428.27	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDT1	2024	Aggregate	Electricity	24.86176577	24.8617658	1122.299	0	1122.299	123.3352	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDT2	2024	Aggregate	Electricity	496.2882119	496.288212	15519.73	0	15519.73	2462.006	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LHDT1	2024	Aggregate	Electricity	96.61318149	96.6131815	4525.806	0	4525.806	1355.738	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LHDT2	2024	Aggregate	Electricity	24.02383242	24.0238324	1082.97	0	1082.97	318.2939	0	0	0	0	0	0	0	0	0
Santa Clara	2028	MDV	2024	Aggregate	Electricity	552.9665175	552.966517	17292.15	0	17292.15	2743.178	0	0	0	0	0	0	0	0	0
Santa Clara	2028	MHDT	2024	Aggregate	Electricity	32.67198006	32.6719801	1655.309	0	1655.309	434.4134	0	0	0	0	0	0	0	0	0
Santa Clara	2028	OBUS	2024	Aggregate	Electricity	1.132977133	1.13297713	80.64405	0	80.64405	22.66861	0	0	0	0	0	0	0	0	0
Santa Clara	2028	SBUS	2024	Aggregate	Electricity	1.927707279	1.92770728	64.26997	0	64.26997	21.90517	0	0	0	0	0	0	0	0	0
Santa Clara	2028	UBUS	2024	Aggregate	Electricity	0.300808512	0.30080851	36.05982	0	36.05982	1.203234	0	0	0	0	0	0	0	0	0
Santa Clara	2028	HHDT	2024	Aggregate	Gasoline	0.081531091		16.1983	16.1983	0	1.631274	2.621325	0	0	0.336619	0	0	0.003585	0.039657	0.307013
Santa Clara	2028	LDA	2024	Aggregate	Gasoline	35929.94027		1593160	1593160	0	178242.7	0.018084	0	0.148025	0.00304	0	0.13606	0.014808	0.039315	0.264897
Santa Clara	2028	LDT1	2024	Aggregate	Gasoline	2104.495715		87001.06	87001.06	0	10440.07	0.018422	0	0.151689	0.00309	0	0.137212	0.014808	0.039315	0.264897
Santa Clara	2028	LDT2	2024	Aggregate	Gasoline	18452.04817		762936.2	762936.2	0	91537.66	0.019287	0	0.164872	0.003538	0	0.154632	0.014808	0.039315	0.264897
Santa Clara	2028	LHDT1	2024	Aggregate	Gasoline	1150.481603		53895.86	53895.86	0	17140.46	0.010159	0.022299	0.309265	0.003429	0.256115	0.065702	0.005031	0.037691	0.306657
Santa Clara	2028	LHDT2	2024	Aggregate	Gasoline	131.9016914		5946.415	5946.415	0	1965.139	0.01503	0.01847	0.256164	0.003098	0.21214	0.054421	0.005031	0.037691	0.306657
Santa Clara	2028	MCY	2024	Aggregate	Gasoline	1439.028313		11333.2	11333.2	0	2878.057	0.441082	0	0.047046	0.703586	0	0.724901	3.482735	3.43298	1.197794
Santa Clara	2028	MDV	2024	Aggregate	Gasoline	10512.96859		426263.2	426263.2	0	52153.16	0.01966	0	0.169011	0.003598	0	0.156071	0.014808	0.039315	0.264897
Santa Clara	2028	MH	2024	Aggregate	Gasoline	90.29984626		1294.957	1294.957	0	9.033597	0.086121	0	0.302676	0.010672	0	0.104228	0.823571	0.024948	0.330714
Santa Clara	2028	MHDT	2024	Aggregate	Gasoline	76.79030251		5465.848	5465.848	0	1536.42	0.077995	0.089556	0.333003	0.010039	1.02858	0.14683	0.003585	0.039657	0.307013

Santa Clara	2028	OBUS	2024	Aggregate	Gasoline	13.95618901		993.3859	993.3859	0	279.2354	0.076779	0.065345	0.283609	0.009104	0.750514	0.10922	0.003788	0.024948	0.320474
Santa Clara	2028	SBUS	2024	Aggregate	Gasoline	6.469178104		316.6077	316.6077	0	25.87671	0.076493	0.92653	0.421937	0.009053	10.64152	0.298579	0.019844	0.081196	0.330359
Santa Clara	2028	UBUS	2024	Aggregate	Gasoline	0.136044051		14.20705	14.20705	0	0.544176	0.015048	0	0.260014	0.003231	0	0.088775	0.019454	0.090649	0.327403
Santa Clara	2028	HHDT	2024	Aggregate	Natural Ga	50.63921307		3505.975	3505.975	0	413.3149	0.122757	7.869111	0	0.007589	0.271445	0	0	0	0
Santa Clara	2028	MHDT	2024	Aggregate	Natural Ga	6.989870426		325.2887	325.2887	0	67.39784	0.055483	6.135215	0	0.011447	0.201655	0	0	0	0
Santa Clara	2028	OBUS	2024	Aggregate	Natural Ga	0.969325078		71.01614	71.01614	0	8.626993	0.058345	1.467717	0	0.012319	0.048242	0	0	0	0
Santa Clara	2028	SBUS	2024	Aggregate	Natural Ga	0.879883586		23.52523	23.52523	0	12.74071	0.112274	4.959199	0	0.031187	0.163001	0	0	0	0
Santa Clara	2028	UBUS	2024	Aggregate	Natural Ga	0.325820437		35.51446	35.51446	0	1.303282	0.059787	0	0	0.061285	0	0	0	0	0
Santa Clara	2028	LDA	2024	Aggregate	Plug-in Hyb	1980.248434	1980.24843	87998.54	37206.37	50792.17	8188.327	0.002774	0	0.11551	0.0012	0	0.173285	0.018544	0.020222	0.273855
Santa Clara	2028	LDT1	2024	Aggregate	Plug-in Hyb	25.00672216	25.0067222	1034.902	437.5635	597.3385	103.4028	0.002774	0	0.11551	0.0012	0	0.173285	0.018544	0.020222	0.273855
Santa Clara	2028	LDT2	2024	Aggregate	Plug-in Hyb	419.8829688	419.882969	17250.08	7293.45	9956.633	1736.216	0.002774	0	0.11551	0.0012	0	0.173285	0.018544	0.020222	0.273855
Santa Clara	2028	MDV	2024	Aggregate	Plug-in Hyb	286.7742286	286.774229	11494.76	4860.06	6634.697	1185.811	0.002774	0	0.11551	0.0012	0	0.173285	0.018544	0.020222	0.273855
Santa Clara	2028	HHDT	2025	Aggregate	Diesel	549.431969		84439.51	84439.51	0	8995.538	1.167717	57.77252	2.687003	0.010055	6.340591	0	0	0	0
Santa Clara	2028	LDA	2025	Aggregate	Diesel	20.72418646		954.0057	954.0057	0	103.9967	0.006216	0	0	0.002832	0	0	0	0	0
Santa Clara	2028	LDT1	2025	Aggregate	Diesel	0.024994838		1.074898	1.074898	0	0.125427	0.025864	0	0	0.011145	0	0	0	0	0
Santa Clara	2028	LDT2	2025	Aggregate	Diesel	70.18022165		3018.087	3018.087	0	352.1735	0.025864	0	0	0.011145	0	0	0	0	0
Santa Clara	2028	LHDT1	2025	Aggregate	Diesel	686.5364178		34461.05	34461.05	0	8635.764	0.141232	0.770653	0	0.073118	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	2025	Aggregate	Diesel	320.2007377		15420.58	15420.58	0	4027.722	0.163944	0.77057	0	0.084884	0.10976	0	0	0	0
Santa Clara	2028	MDV	2025	Aggregate	Diesel	111.6328203		4685.484	4685.484	0	560.188	0.006414	0	0	0.002952	0	0	0	0	0
Santa Clara	2028	MH	2025	Aggregate	Diesel	42.02109581		640.5182	640.5182	0	4.20211	2.270841	0	0	0.065007	0	0	0	0	0
Santa Clara	2028	MHDT	2025	Aggregate	Diesel	544.8803837		26809.02	26809.02	0	6528.437	0.255545	4.827325	1.389351	0.00481	0.178432	0	0	0	0
Santa Clara	2028	OBUS	2025	Aggregate	Diesel	63.47697516		5439.007	5439.007	0	680.4194	0.468687	3.95154	1.324463	0.006894	0.559106	0	0	0	0
Santa Clara	2028	SBUS	2025	Aggregate	Diesel	14.48373792		391.6604	391.6604	0	209.7245	0.212339	3.90179	0.67179	0.003911	0.166685	0	0	0	0
Santa Clara	2028	UBUS	2025	Aggregate	Diesel	38.54762166		4695.43	4695.43	0	154.1905	0.422425	0	0	0.074245	0	0	0	0	0
Santa Clara	2028	HHDT	2025	Aggregate	Electricity	31.94830174	31.9483017	3235.612	0	3235.612	387.5179	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDA	2025	Aggregate	Electricity	5328.715138	5328.71514	249578.2	0	249578.2	26740.19	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDT1	2025	Aggregate	Electricity	31.94106991	31.9410699	1496.943	0	1496.943	160.2844	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDT2	2025	Aggregate	Electricity	567.3405055	567.340506	18400.67	0	18400.67	2846.988	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LHDT1	2025	Aggregate	Electricity	137.4731782	137.473178	6900.968	0	6900.968	1928.272	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LHDT2	2025	Aggregate	Electricity	34.2055898	34.2055898	1647.359	0	1647.359	453.7033	0	0	0	0	0	0	0	0	0
Santa Clara	2028	MDV	2025	Aggregate	Electricity	602.5079775	602.507978	19541.26	0	19541.26	3023.463	0	0	0	0	0	0	0	0	0
Santa Clara	2028	MHDT	2025	Aggregate	Electricity	61.94918923	61.9491892	3172.011	0	3172.011	800.1767	0	0	0	0	0	0	0	0	0
Santa Clara	2028	OBUS	2025	Aggregate	Electricity	1.459718191	1.45971819	108.4181	0	108.4181	29.20604	0	0	0	0	0	0	0	0	0
Santa Clara	2028	SBUS	2025	Aggregate	Electricity	2.400100517	2.40010052	80.29989	0	80.29989	27.38484	0	0	0	0	0	0	0	0	0
Santa Clara	2028	UBUS	2025	Aggregate	Electricity	17.9644578	17.9644578	2192.477	0	2192.477	71.85783	0	0	0	0	0	0	0	0	0
Santa Clara	2028	HHDT	2025	Aggregate	Gasoline	0.073544762		15.82459	15.82459	0	1.471484	2.083936	0	0	0.310245	0	0	0.004529	0.039657	0.295757
Santa Clara	2028	LDA	2025	Aggregate	Gasoline	36103.55151		1661775	1661775	0	181172.3	0.016148	0	0.118674	0.002355	0	0.106607	0.018637	0.037357	0.258264
Santa Clara	2028	LDT1	2025	Aggregate	Gasoline	2096.600773		90162.15	90162.15	0	10521.02	0.01648	0	0.122281	0.002403	0	0.107566	0.018637	0.037357	0.258264
Santa Clara	2028	LDT2	2025	Aggregate	Gasoline	18553.09224		798011.4	798011.4	0	93101.83	0.017699	0	0.144612	0.002973	0	0.132143	0.018637	0.037357	0.258264
Santa Clara	2028	LHDT1	2025	Aggregate	Gasoline	1139.892949		57223.24	57223.24	0	16982.71	0.010941	0.022299	0.335029	0.003719	0.256115	0.0688	0.006356	0.037691	0.300765
Santa Clara	2028	LHDT2	2025	Aggregate	Gasoline	134.2449554		6465.762	6465.762	0	2000.05	0.016338	0.01847	0.277505	0.00336	0.21214	0.056987	0.006356	0.037691	0.300765
Santa Clara	2028	MCY	2025	Aggregate	Gasoline	1508.341395		12946.81	12946.81	0	3016.683	0.426261	0	0.04741	0.674779	0	0.706661	3.482735	3.43298	1.197794
Santa Clara	2028	MDV	2025	Aggregate	Gasoline	10517.31428		441589.3	441589.3	0	52777.25	0.017904	0	0.146944	0.003006	0	0.13286	0.018637	0.037357	0.258264
Santa Clara	2028	MH	2025	Aggregate	Gasoline	94.27892888		1437.073	1437.073	0	9.431664	0.090335	0	0.325248	0.011563	0	0.111446	1.040257	0.024948	0.323741
Santa Clara	2028	MHDT	2025	Aggregate	Gasoline	76.22284099		5661.323	5661.323	0	1525.067	0.065353	0.040979	0.282367	0.011209	1.02858	0.155236	0.004529	0.039657	0.295757
Santa Clara	2028	OBUS	2025	Aggregate	Gasoline	14.2252562		1056.557	1056.557	0	284.6189	0.063883	0.029177	0.241428	0.010152	0.750514	0.116418	0.004785	0.024948	0.308298
Santa Clara	2028	SBUS	2025	Aggregate	Gasoline	6.367619414		311.6373	311.6373	0	25.47048	0.062941	0.37469	0.346855	0.00984	10.64152	0.316693	0.025064	0.081196	0.316918
Santa Clara	2028	UBUS	2025	Aggregate	Gasoline	0.136044051		14.20705	14.20705	0	0.544176	0.016357	0	0.281676	0.003504	0	0.09296	0.024573	0.090649	0.314364
Santa Clara	2028	HHDT	2025	Aggregate	Natural Ga	49.5730491		3480.409	3480.409	0	386.9972	0.121679	7.139628	0	0.007387	0.248052	0	0	0	0
Santa Clara	2028	MHDT	2025	Aggregate	Natural Ga	9.93797977		483.1388	483.1388	0	103.5803	0.054665	5.851037	0	0.011095	0.192315	0	0	0	0
Santa Clara	2028	OBUS	2025	Aggregate	Natural Ga	1.301988101		97.74053	97.74053	0	11.58769	0.058345	1.467717	0	0.012319	0.048242	0	0	0	0
Santa Clara	2028	SBUS	2025	Aggregate	Natural Ga	0.884758109		23.92509	23.92509	0	12.8113	0.112274	4.959199	0	0.031187	0.163001	0	0	0	0
Santa Clara	2028	UBUS	2025	Aggregate	Natural Ga	15.57551502		1897.231	1897.231	0	62.30206	0.064911	0	0	0.064454	0	0	0	0	0
Santa Clara	2028	LDA	2025	Aggregate	Plug-in Hyb	1992.672081	1992.67208	91925.92	37378.87	54547.05	8239.699	0.002668	0	0.11551	0.001154	0	0.173285	0.023658	0.018478	0.26731
Santa Clara	2028	LDT1	2025	Aggregate	Plug-in Hyb	31.06214348	31.0621435	1337.595	543.8923	793.7031	128.442	0.002668	0	0.11551	0.001154	0	0.173285	0.023658	0.018478	0.26731
Santa Clara	2028	LDT2	2025	Aggregate	Plug-in Hyb	454.2546589	454.254659	19395.95	7886.771	11509.18	1878.343	0.002668	0	0.11551	0.001154	0	0.173285	0.023658	0.018478	0.26731
Santa Clara	2028	MDV	2025	Aggregate	Plug-in Hyb	305.4940608	305.494061	12668.61	5151.302	7517.305	1263.218	0.002668	0	0.11551	0.001154	0	0.173285	0.023658	0.018478	0.26731
Santa Clara	2028	HHDT	2026	Aggregate	Diesel	509.4587718		84053.58	84053.58	0	8446.589	1.09069	58.77146	2.601764	0.009613	6.582693	0	0	0	0
Santa Clara	2028	LDA	2026	Aggregate	Diesel	20.70694704		988.0749	988.0749	0	105.0965	0.005827	0	0	0.002596	0	0	0	0	0
Santa Clara	2028	LDT1	2026	Aggregate	Diesel	0.02500612		1.117409	1.117409	0	0.126917	0.02548	0	0	0.010911	0	0	0	0	0
Santa Clara	2028	LDT2	2026	Aggregate	Diesel	70.58489014		3154.116	3154.116	0	358.248	0.02548	0	0	0.010911	0	0	0	0	0
Santa Clara	2028	LHDT1	2026	Aggregate	Diesel	677.1188921		36916.13	36916.13	0	8517.304	0.132648	0.770653	0	0.071105	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	2026	Aggregate	Diesel	312.029028		16266.61	16266.61	0	3924.933	0.153996	0.770653	0	0.082548	0.10976	0	0	0	0
Santa Clara	2028	MDV	2026	Aggregate	Diesel	112.3268426		4875.881	4875.881	0	570.1059	0.005969	0	0	0.002682	0	0	0	0	0
Santa Clara	2028	MH	2026	Aggregate	Diesel	42.38401035		686.2959	686.2959	0	4.238401	2.250839	0	0	0.062773	0	0	0	0	0
Santa Clara	2028	MHDT	2026	Aggregate	Diesel	529.8945413		26549.02	26549.02	0	6348.709	0.23967	4.638844	1.375658	0.004586	0.17848	0	0	0	0
Santa Clara	2028	OBUS	2026	Aggregate	Diesel	51.5535041		4495.195	4495.195	0	556.0168	0.436658	3.884019	1.321455	0.006488	0.577624	0	0	0	0
Santa Clara	2028	SBUS	2026	Aggregate	Diesel	14.57429966		398.3493	398.3493	0	211.0359	0.198792	3.88812	0.671299	0.00374	0.166685	0	0	0	0
Santa Clara	2028	UBUS	2026	Aggregate	Diesel	11.58958361		1224.509	1224.509	0	46.35833	0.420508	0	0	0.073978	0	0	0	0	0
Santa Clara	2028	HHDT	2026	Aggregate	Electricity	42.10606386	42.1060639	4615.399	0	4615.399	535.0603	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDA	2026	Aggregate	Electricity	4681.57368	4681.57368	227291.7	0	227291.7	23760.95	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDT1	2026	Aggregate	Electricity	38.14203186	38.1420319	1852.964	0	1852.964	193.5868	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDT2	2026	Aggregate	Electricity	549.0625547	549.062555	18459.47	0	18459.47	2786.723	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LHDT1	2026	Aggregate	Electricity	199.2683549	199.268355	10864.67	0	10864.67	2794.273	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LHDT2	2026	Aggregate	Electricity	49.66086145	49.6608615	2588.985	0	2588.985	659.4467	0	0	0	0	0	0	0	0	0
Santa Clara	2028	MDV	2026	Aggregate	Electricity	578.4177152	578.417715	19446.38	0	19446.38	2935.713	0	0	0	0	0	0	0	0	0
Santa Clara	2028	MHDT	2026	Aggregate	Electricity	75.73461389	75.7346139	3983.584	0	3983.584	979.7695	0	0	0	0	0	0	0	0	0
Santa Clara	2028	OBUS	2026	Aggregate	Electricity	1.83030975	1.83030975	141.6901	0	141.6901	36.62084	0	0	0	0	0	0	0	0	0
Santa Clara	2028	SBUS	2026	Aggregate	Electricity	2.906859429	2.90685943	97.54808	0	97.54808	33.31449	0	0	0	0	0	0	0	0	0
Santa Clara	2028	UBUS	2026	Aggregate	Electricity	5.347565451	5.34756545	568.0181	0	568.0181	21.39026	0	0	0	0	0	0	0	0	0
Santa Clara	2028	HHDT	2026	Aggregate	Gasoline	0.067211135		15.64904	15.64904	0	1.34476	2.056485	0	0	0.279911	0	0	0.004529	0.039657	0.295757
Santa Clara	2028	LDA	2026	Aggregate	Gasoline	36908.51469		1761005	1761005	0	187326.2	0.015046	0	0.105657	0.00214	0	0.101389	0.018411	0.037357	0.258091
Santa Clara	2028	LDT1	2026	Aggregate	Gasoline	2089.808007		93381.72	93381.72	0	10606.65	0.01539	0	0.109369	0.002189	0	0.102363	0.018411	0.037357	0.258091
Santa Clara	2028	LDT2	2026	Aggregate	Gasoline	18706.30552		836032.6	836032.6	0	94942.36	0.016644	0	0.133123	0.00283	0	0.129421	0.018411	0.037357	0.258091
Santa Clara	2028	LHDT1	2026	Aggregate	Gasoline	1116.296302		60865.91	60865.91	0	16631.15	0.012273	0.022299	0.378007	0.004153	0.256115	0.074185	0.006356	0.037691	0.300765
Santa Clara	2028	LHDT2	2026	Aggregate	Gasoline	134.9187251		7034.251	7034.251	0	2010.088	0.018479	0.018456	0.312854	0.00375	0.211971	0.061398	0.006356	0.037691	0.300765
Santa Clara	2028	MCY	2026	Aggregate	Gasoline	1572.900036		14940.64	14940.64	0	3145.8	0.396582	0	0.048138	0.61676	0	0.67012	3.482735	3.43298	1.197794
Santa Clara	2028	MDV	2026	Aggregate	Gasoline	10632.14046		461660.5	461660.5	0	53962.58	0.01668	0	0.133529	0.002836	0	0.129546	0.018411	0.037357	0.258091
Santa Clara	2028	MH	2026	Aggregate	Gasoline	95.86285535		1552.243	1552.243	0	9.59012	0.096475	0	0.350461	0.012748	0	0.121365	1.040257	0.024948	0.323741
Santa Clara	2028	MHDT	2026	Aggregate	Gasoline	76.02279372		5885.168	5885.168	0	1521.064	0.073049	0.039474	0.317948	0.012796	1.02858	0.173085	0.004529	0.039657	0.295757
Santa Clara	2028	OBUS	2026	Aggregate	Gasoline	14.40927099		1115.468	1115.468	0	288.3007	0.072522	0.028313	0.277026	0.01187	0.750514	0.132077	0.004785	0.024948	0.308298
Santa Clara	2028	SBUS	2026	Aggregate	Gasoline	6.25858137		306.3009	306.3009	0	25.03433	0.06894	0.373378	0.384962	0.011007	10.64152	0.345613	0.025064	0.081196	0.316918
Santa Clara	2028	UBUS	2026	Aggregate	Gasoline	0.136044051		14.20705	14.20705	0	0.544176	0.018501	0	0.317556	0.003911	0	0.100156	0.024573	0.090649	0.314364
Santa Clara	2028	HHDT	2026	Aggregate	Natural Ga	46.62562801		3301.06	3301.06	0	347.7896	0.119663	6.406799	0	0.00701	0.22478	0	0	0	0
Santa Clara	2028	MHDT	2026	Aggregate	Natural Ga	9.686539832		480.8939	480.8939	0	100.6669	0.054751	5.863001	0	0.011129	0.192708	0	0	0	0
Santa Clara	2028	OBUS	2026	Aggregate	Natural Ga	1.051724128		80.31857	80.31857	0	9.360345	0.058345	1.467717	0	0.012319	0.048242	0	0	0	0
Santa Clara	2028	SBUS	2026	Aggregate	Natural Ga	0.890290193		24.33369	24.33369	0	12.8914	0.112274	4.959199	0	0.031187	0.163001	0	0	0	0
Santa Clara	2028	UBUS	2026	Aggregate	Natural Ga	4.682876033		494.7741	494.7741	0	18.7315	0.064634	0	0	0.064282	0	0	0	0	0
Santa Clara	2028	LDA	2026	Aggregate	Plug-in Hyb	1798.727307	1798.72731	85991.7	34965.9	51025.81	7437.737	0.002668	0	0.11551	0.001154	0	0.173285	0.023658	0.018478	0.26731
Santa Clara	2028	LDT1	2026	Aggregate	Plug-in Hyb	32.62870806	32.6287081	1460.271	593.7748	866.4967	134.9197	0.002668	0	0.11551	0.001154	0	0.173285	0.023658	0.018478	0.26731
Santa Clara	2028	LDT2	2026	Aggregate	Plug-in Hyb	432.1895737	432.189574	19179.2	7798.636	11380.56	1787.104	0.002668	0	0.11551	0.001154	0	0.173285	0.023658	0.018478	0.26731
Santa Clara	2028	MDV	2026	Aggregate	Plug-in Hyb	285.7894415	285.789441	12264.8	4987.107	7277.694	1181.739	0.002668	0	0.11551	0.001154	0	0.173285	0.023658	0.018478	0.26731
Santa Clara	2028	HHDT	2027	Aggregate	Diesel	475.8967651		83609.85	83609.85	0	7984.146	0.995933	60.02305	2.550776	0.009119	6.781745	0	0	0	0
Santa Clara	2028	LDA	2027	Aggregate	Diesel	20.24304467		1000.697	1000.697	0	103.9017	0.005422	0	0	0.002349	0	0	0	0	0
Santa Clara	2028	LDT1	2027	Aggregate	Diesel	0.025298322		1.174471	1.174471	0	0.129849	0.02508	0	0	0.010668	0	0	0	0	0
Santa Clara	2028	LDT2	2027	Aggregate	Diesel	71.72090848		3329.633	3329.633	0	368.1226	0.02508	0	0	0.010668	0	0	0	0	0
Santa Clara	2028	LHDT1	2027	Aggregate	Diesel	649.2183332		39351.47	39351.47	0	8166.35	0.12367	0.770653	0	0.069	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	2027	Aggregate	Diesel	297.2457734		17160.26	17160.26	0	3738.978	0.143574	0.770653	0	0.080105	0.10976	0	0	0	0
Santa Clara	2028	MDV	2027	Aggregate	Diesel	113.217248		5081.448	5081.448	0	581.1113	0.005505	0	0	0.0024	0	0	0	0	0
Santa Clara	2028	MH	2027	Aggregate	Diesel	41.45732484		712.6193	712.6193	0	4.145732	2.230543	0	0	0.060506	0	0	0	0	0

Santa Clara	2028	MHDT	2027	Aggregate	Diesel	489.2215739		25114.84	25114.84	0	5859.546	0.220577	4.494066	1.366876	0.004348	0.178464	0	0	0	0
Santa Clara	2028	OBUS	2027	Aggregate	Diesel	50.65858659		4418.853	4418.853	0	541.3106	0.388545	3.562582	1.301762	0.006022	0.549665	0	0	0	0
Santa Clara	2028	SBUS	2027	Aggregate	Diesel	13.83201391		381.8953	381.8953	0	200.2876	0.182805	3.96286	0.673986	0.003567	0.166685	0	0	0	0
Santa Clara	2028	UBUS	2027	Aggregate	Diesel	0.510305227		56.78839	56.78839	0	2.041221	0.385833	0	0	0.069149	0	0	0	0	0
Santa Clara	2028	HHDT	2027	Aggregate	Electricity	66.15133444	66.1513344	7563.621	0	7563.621	842.5315	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDA	2027	Aggregate	Electricity	4678.995869	4678.99587	235355.8	0	235355.8	24015.93	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDT1	2027	Aggregate	Electricity	46.0408293	46.0408293	2317.325	0	2317.325	236.3142	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDT2	2027	Aggregate	Electricity	618.5906612	618.590661	21546.72	0	21546.72	3175.046	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LHDT1	2027	Aggregate	Electricity	296.0036629	296.003663	17942.95	0	17942.95	4144.242	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LHDT2	2027	Aggregate	Electricity	75.47088424	75.4708842	4357.133	0	4357.133	1002.72	0	0	0	0	0	0	0	0	0
Santa Clara	2028	MDV	2027	Aggregate	Electricity	617.6377094	617.637709	21513.53	0	21513.53	3170.155	0	0	0	0	0	0	0	0	0
Santa Clara	2028	MHDT	2027	Aggregate	Electricity	119.7505759	119.750576	6465.569	0	6465.569	1547.81	0	0	0	0	0	0	0	0	0
Santa Clara	2028	OBUS	2027	Aggregate	Electricity	3.028636963	3.02863696	243.9872	0	243.9872	60.59697	0	0	0	0	0	0	0	0	0
Santa Clara	2028	SBUS	2027	Aggregate	Electricity	4.531837356	4.53183736	152.6092	0	152.6092	52.11664	0	0	0	0	0	0	0	0	0
Santa Clara	2028	UBUS	2027	Aggregate	Electricity	0.716498668	0.71649867	79.73425	0	79.73425	2.865995	0	0	0	0	0	0	0	0	0
Santa Clara	2028	HHDT	2027	Aggregate	Gasoline	0.061718331		15.53674	15.53674	0	1.23486	1.980237	0	0.011436	0.256432	0	0	0.004529	0.039657	0.295757
Santa Clara	2028	LDA	2027	Aggregate	Gasoline	35985.64918		1778751	1778751	0	184703.9	0.013944	0	0.093307	0.001963	0	0.097413	0.018189	0.037357	0.257919
Santa Clara	2028	LDT1	2027	Aggregate	Gasoline	2101.369416		97552.61	97552.61	0	10785.72	0.014299	0	0.097142	0.002013	0	0.098413	0.018189	0.037357	0.257919
Santa Clara	2028	LDT2	2027	Aggregate	Gasoline	18918.56806		878459.2	878459.2	0	97103.52	0.015562	0	0.121577	0.002696	0	0.127204	0.018189	0.037357	0.257919
Santa Clara	2028	LHDT1	2027	Aggregate	Gasoline	1028.135757		62325.25	62325.25	0	15317.69	0.013525	0.022299	0.418839	0.004567	0.256115	0.078811	0.006356	0.037691	0.300765
Santa Clara	2028	LHDT2	2027	Aggregate	Gasoline	130.4225706		7530.162	7530.162	0	1943.102	0.02054	0.018456	0.346648	0.004124	0.211971	0.065227	0.006356	0.037691	0.300765
Santa Clara	2028	MCY	2027	Aggregate	Gasoline	1611.630604		17383.28	17383.28	0	3223.261	0.361077	0	0.04901	0.547252	0	0.626402	3.482735	3.43298	1.197794
Santa Clara	2028	MDV	2027	Aggregate	Gasoline	10667.12421		478927	478927	0	54751.26	0.015416	0	0.119907	0.002671	0	0.126685	0.018189	0.037357	0.257919
Santa Clara	2028	MH	2027	Aggregate	Gasoline	97.45529964		1675.181	1675.181	0	9.749428	0.102375	0	0.379403	0.013963	0	0.131362	1.040257	0.024948	0.323741
Santa Clara	2028	MHDT	2027	Aggregate	Gasoline	69.87728488		5629.319	5629.319	0	1398.105	0.081768	0.038277	0.357953	0.014794	1.02858	0.192994	0.004529	0.039657	0.295757
Santa Clara	2028	OBUS	2027	Aggregate	Gasoline	14.04346304		1131.342	1131.342	0	280.9816	0.079995	0.027765	0.308059	0.013461	0.750514	0.145226	0.004785	0.024948	0.308298
Santa Clara	2028	SBUS	2027	Aggregate	Gasoline	5.831336407		285.3911	285.3911	0	23.32535	0.073409	0.380555	0.406359	0.011785	10.64152	0.364113	0.025064	0.081196	0.316918
Santa Clara	2028	UBUS	2027	Aggregate	Gasoline	0.136044051		14.20705	14.20705	0	0.544176	0.020564	0	0.351858	0.004301	0	0.106401	0.024573	0.090649	0.314364
Santa Clara	2028	HHDT	2027	Aggregate	Natural Ga	40.82629926		2940.886	2940.886	0	305.2304	0.120734	6.454466	0	0.007211	0.226239	0	0	0	0
Santa Clara	2028	MHDT	2027	Aggregate	Natural Ga	8.933611339		455.3706	455.3706	0	92.97031	0.054746	5.856829	0	0.011126	0.192505	0	0	0	0
Santa Clara	2028	OBUS	2027	Aggregate	Natural Ga	1.041922664		80.29353	80.29353	0	9.273112	0.058345	1.467717	0	0.012319	0.048242	0	0	0	0
Santa Clara	2028	SBUS	2027	Aggregate	Natural Ga	0.844946695		23.32857	23.32857	0	12.23483	0.112274	4.959199	0	0.031187	0.163001	0	0	0	0
Santa Clara	2028	UBUS	2027	Aggregate	Natural Ga	0.206193441		22.94586	22.94586	0	0.824774	0.05962	0	0	0.061182	0	0	0	0	0
Santa Clara	2028	LDA	2027	Aggregate	Plug-in Hyb	1752.121286	1752.12129	86782.01	35287.25	51494.76	7245.022	0.002668	0	0.11551	0.001154	0	0.173285	0.023658	0.018478	0.26731
Santa Clara	2028	LDT1	2027	Aggregate	Plug-in Hyb	38.41535374	38.4153537	1786.589	726.4617	1060.127	158.8475	0.002668	0	0.11551	0.001154	0	0.173285	0.023658	0.018478	0.26731
Santa Clara	2028	LDT2	2027	Aggregate	Plug-in Hyb	467.2574926	467.257493	21524.86	8752.425	12772.43	1932.11	0.002668	0	0.11551	0.001154	0	0.173285	0.023658	0.018478	0.26731
Santa Clara	2028	MDV	2027	Aggregate	Plug-in Hyb	302.7162745	302.716275	13424.43	5458.635	7965.796	1251.732	0.002668	0	0.11551	0.001154	0	0.173285	0.023658	0.018478	0.26731
Santa Clara	2028	HHDT	2028	Aggregate	Diesel	319.0736158		58629.69	58629.69	0	5429.25	0.795643	53.35477	1.528499	0.008596	6.922768	0	0	0	0
Santa Clara	2028	LDA	2028	Aggregate	Diesel	17.49651001		895.5507	895.5507	0	90.80689	0.005002	0	0	0.002093	0	0	0	0	0
Santa Clara	2028	LDT1	2028	Aggregate	Diesel	0.023422369		1.129498	1.129498	0	0.121562	0.024664	0	0	0.010415	0	0	0	0	0
Santa Clara	2028	LDT2	2028	Aggregate	Diesel	65.81685827		3173.888	3173.888	0	341.5895	0.024664	0	0	0.010415	0	0	0	0	0
Santa Clara	2028	LHDT1	2028	Aggregate	Diesel	467.6229224		33216.04	33216.04	0	5882.108	0.1143	0.770653	0	0.066803	0.10976	0	0	0	0
Santa Clara	2028	LHDT2	2028	Aggregate	Diesel	216.441432		14567.08	14567.08	0	2722.561	0.132695	0.770653	0	0.077554	0.10976	0	0	0	0
Santa Clara	2028	MDV	2028	Aggregate	Diesel	100.1540519		4646.662	4646.662	0	519.7995	0.005021	0	0	0.002105	0	0	0	0	0
Santa Clara	2028	MH	2028	Aggregate	Diesel	32.67420544		595.7663	595.7663	0	3.267421	2.209952	0	0	0.058207	0	0	0	0	0
Santa Clara	2028	MHDT	2028	Aggregate	Diesel	317.4164974		16821.04	16821.04	0	3746.379	0.147549	2.915986	0.537592	0.004132	0.180012	0	0	0	0
Santa Clara	2028	OBUS	2028	Aggregate	Diesel	31.6527677		2793.053	2793.053	0	343.9318	0.266562	2.250728	0.46726	0.005659	0.600193	0	0	0	0
Santa Clara	2028	SBUS	2028	Aggregate	Diesel	10.0652716		280.5495	280.5495	0	145.7451	0.11359	2.340478	0.236866	0.003392	0.166685	0	0	0	0
Santa Clara	2028	UBUS	2028	Aggregate	Diesel	0.510305227		56.78839	56.78839	0	2.041221	0.385833	0	0	0.069149	0	0	0	0	0
Santa Clara	2028	HHDT	2028	Aggregate	Electricity	71.25586063	71.2558606	8568.215	0	8568.215	903.4207	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDA	2028	Aggregate	Electricity	4150.540286	4150.54029	216189.8	0	216189.8	21541.3	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDT1	2028	Aggregate	Electricity	49.97442728	49.9744273	2604.654	0	2604.654	259.3673	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LDT2	2028	Aggregate	Electricity	621.4681824	621.468182	22415.84	0	22415.84	3225.42	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LHDT1	2028	Aggregate	Electricity	291.8755152	291.875515	20733.65	0	20733.65	4077.316	0	0	0	0	0	0	0	0	0
Santa Clara	2028	LHDT2	2028	Aggregate	Electricity	75.54651056	75.5465106	5084.624	0	5084.624	1000.007	0	0	0	0	0	0	0	0	0
Santa Clara	2028	MDV	2028	Aggregate	Electricity	575.6553636	575.655364	20763.41	0	20763.41	2987.651	0	0	0	0	0	0	0	0	0
Santa Clara	2028	MHDT	2028	Aggregate	Electricity	138.6476573	138.647657	7780.981	0	7780.981	1791.656	0	0	0	0	0	0	0	0	0
Santa Clara	2028	OBUS	2028	Aggregate	Electricity	3.734488168	3.73448817	312.7332	0	312.7332	74.71964	0	0	0	0	0	0	0	0	0
Santa Clara	2028	SBUS	2028	Aggregate	Electricity	6.208217666	6.20821767	216.1885	0	216.1885	68.43214	0	0	0	0	0	0	0	0	0
Santa Clara	2028	UBUS	2028	Aggregate	Electricity	0.716498668	0.71649867	79.73425	0	79.73425	2.865995	0	0	0	0	0	0	0	0	0
Santa Clara	2028	HHDT	2028	Aggregate	Gasoline	0.051341448		13.9596	13.9596	0	1.02724	0.6719	0	0.059599	0.227386	0	0.046443	0.004529	0.039657	0.295757
Santa Clara	2028	LDA	2028	Aggregate	Gasoline	31010.66572		1587113	1587113	0	160945.4	0.012828	0	0.081273	0.001806	0	0.094269	0.017972	0.037357	0.257746
Santa Clara	2028	LDT1	2028	Aggregate	Gasoline	1933.518956		93236.26	93236.26	0	10034.96	0.013197	0	0.085249	0.001858	0	0.095306	0.017972	0.037357	0.257746
Santa Clara	2028	LDT2	2028	Aggregate	Gasoline	17286.57794		833796.1	833796.1	0	89717.34	0.014399	0	0.10855	0.002518	0	0.12364	0.017972	0.037357	0.257746
Santa Clara	2028	LHDT1	2028	Aggregate	Gasoline	699.8791383		49718.56	49718.56	0	10427.16	0.012714	0.022299	0.396616	0.004446	0.256115	0.07341	0.006356	0.037691	0.300765
Santa Clara	2028	LHDT2	2028	Aggregate	Gasoline	85.74461023		5771.416	5771.416	0	1277.467	0.019538	0.018456	0.328255	0.004014	0.211971	0.060757	0.006356	0.037691	0.300765
Santa Clara	2028	MCY	2028	Aggregate	Gasoline	1265.393512		16440.12	16440.12	0	2530.787	0.295695	0	0.050615	0.418959	0	0.545879	3.482735	3.43298	1.197794
Santa Clara	2028	MDV	2028	Aggregate	Gasoline	9397.149514		436143.2	436143.2	0	48771.21	0.014059	0	0.104659	0.002462	0	0.122427	0.017972	0.037357	0.257746
Santa Clara	2028	MH	2028	Aggregate	Gasoline	90.15270017		1643.802	1643.802	0	9.018876	0.102292	0	0.387034	0.014428	0	0.13385	1.040257	0.024948	0.323741
Santa Clara	2028	MHDT	2028	Aggregate	Gasoline	53.67813501		4495.11	4495.11	0	1073.992	0.029065	0.02419	0.128631	0.014066	1.02858	0.175488	0.004529	0.039657	0.295757
Santa Clara	2028	OBUS	2028	Aggregate	Gasoline	9.68652955		811.1686	811.1686	0	193.8081	0.026959	0.016359	0.104661	0.01291	0.750514	0.133647	0.004785	0.024948	0.308298
Santa Clara	2028	SBUS	2028	Aggregate	Gasoline	5.257562681		257.3101	257.3101	0	21.03025	0.02667	0.224757	0.150251	0.012389	10.64152	0.372914	0.025064	0.081196	0.316918
Santa Clara	2028	UBUS	2028	Aggregate	Gasoline	27.38853152		3392.914	3392.914	0	109.5541	0.019561	0	0.333189	0.004186	0	0.09911	0.024573	0.090649	0.314364
Santa Clara	2028	HHDT	2028	Aggregate	Natural Ga	25.57053656		1876.041	1876.041	0	192.7506	0.121555	6.605857	0	0.007365	0.231189	0	0	0	0
Santa Clara	2028	MHDT	2028	Aggregate	Natural Ga	6.172733841		325.1335	325.1335	0	61.51394	0.054958	6.000294	0	0.011235	0.19722	0	0	0	0
Santa Clara	2028	OBUS	2028	Aggregate	Natural Ga	0.641471906		49.42301	49.42301	0	5.7091	0.058345	1.467717	0	0.012319	0.048242	0	0	0	0
Santa Clara	2028	SBUS	2028	Aggregate	Natural Ga	0.614850305		17.13773	17.13773	0	8.903032	0.112274	4.959199	0	0.031187	0.163001	0	0	0	0
Santa Clara	2028	UBUS	2028	Aggregate	Natural Ga	0.206193441		22.94586	22.94586	0	0.824774	0.05962	0	0	0.061182	0	0	0	0	0
Santa Clara	2028	LDA	2028	Aggregate	Plug-in Hyb	1500.54073	1500.54073	76957.81	31292.54	45665.27	6204.736	0.002668	0	0.11551	0.001154	0	0.173285	0.023658	0.018478	0.26731
Santa Clara	2028	LDT1	2028	Aggregate	Plug-in Hyb	40.24618571	40.2461857	1944.666	790.7389	1153.927	166.418	0.002668	0	0.11551	0.001154	0	0.173285	0.023658	0.018478	0.26731
Santa Clara	2028	LDT2	2028	Aggregate	Plug-in Hyb	449.6107198	449.61072	21496.6	8740.935	12755.66	1859.14	0.002668	0	0.11551	0.001154	0	0.173285	0.023658	0.018478	0.26731
Santa Clara	2028	MDV	2028	Aggregate	Plug-in Hyb	277.6906388	277.690639	12722.47	5173.202	7549.264	1148.251	0.002668	0	0.11551	0.001154	0	0.173285	0.023658	0.018478	0.26731

Santa Clara County
Consumer ROG Factor

Year	Emissions SC County Emissions		County Population	County Building Square footage		ROG Consumer Factor	
2010	11.06	tpd	1781642				
2020	13.71	tpd	1,936,259				
2022	14.022	interpolated	1,970,020	1,554,944,100	sf from HAZUS	1.80354E-05	
2030	15.27	tpd	2,105,066	1,661,536,072	sf interpolated	1.83806E-05	lbs/ft/day

0.156
from CalEEMod

Appendix D3 - Consumer Products Use

Data Grouping	Total VOC (tons/day)	Population*	Total VOC (lbs/person-day)	Total Building Area (Square Feet)	
2003 Survey Commercial *(45.3% of 2003 Land Use Total)*	47.4				
2003 Survey Residential *(48.0% of 2003 Land Use Total)*	50.3				
2003 Survey Industrial *(6.7% of 2003 Land Use Total)*	7.0				
2003 Survey Land Use Total *(42.3% of Grand Total)*	*104.7*			8,600,000,000	from South Coast AQMD draft staff report for consumer products rule
2003 Survey CARB Data Total	186.3	34,650,690	1.08E-02		
2006 Survey CARB Data Total	61.1	36,457,549	3.35E-03		
Grand Total	***247.3***		***1.41E-02***	***22,435,267,518***	from HAZUS-MH, data from late 1990's - early 2000's

*Data from American Communities Survey from the US Census

		Total VOC (lbs/building sq. ft.)	
2008 ARB Emission Inventory (Consumer Products)	***239.6***	*2.14E-05*	Statewide Factor
South Coast AQMD Rule 1143 reduction to 300 g/l	11.3	*2.04E-05*	
(as of 1/1/11) If 25 g/L gets upheld by the courts	17.5	1.98E-05	South Coast AQMD

Emissions for User Defined Query

CEPAM2019v1.03 Emission Projection Data

2010 Estimated Annual Average Emissions

SANTA CLARA COUNTY

All emissions are represented in Tons per Day and reflect the most current data provided to ARB.
Download these results (as a comma delimited file).
Download more detailed data (as a comma delimited file).
Start a new query.

AREAWIDE SOURCES	TOG	ROG	CO	NOX	SOX	PM	PM10	PM2.5	NH3
SOLVENT EVAPORATION									
CONSUMER PRODUCTS	13.94	11.06	-	-	-	-	-	-	-
ARCHITECTURAL COATINGS AND RELATED PROCESS SOLVENTS	6.21	5.74	-	-	-	-	-	-	-
PESTICIDES/FERTILIZERS	0.58	0.58	-	-	-	-	-	-	0.07
ASPHALT PAVING / ROOFING	0.27	0.21	-	-	-	-	-	-	-
* TOTAL SOLVENT EVAPORATION	21.00	17.59	-	-	-	-	-	-	0.07

Emissions for User Defined Query

CEPAM2019v1.03 Emission Projection Data

2020 Estimated Annual Average Emissions

SANTA CLARA COUNTY

All emissions are represented in Tons per Day and reflect the most current data provided to ARB.
Download these results (as a comma delimited file).
Download more detailed data (as a comma delimited file).
Start a new query.

AREAWIDE SOURCES	TOG	ROG	CO	NOX	SOX	PM	PM10	PM2.5	NH3
SOLVENT EVAPORATION									
CONSUMER PRODUCTS	17.24	13.71	-	-	-	-	-	-	-
ARCHITECTURAL COATINGS AND RELATED PROCESS SOLVENTS	4.98	4.61	-	-	-	-	-	-	-
PESTICIDES/FERTILIZERS	0.44	0.44	-	-	-	-	-	-	0.06
ASPHALT PAVING / ROOFING	0.33	0.26	-	-	-	-	-	-	-
* TOTAL SOLVENT EVAPORATION	22.99	19.02	-	-	-	-	-	-	0.06

Emissions for User Defined Query

CEPAM2019v1.03 Emission Projection Data

2030 Forecasted Annual Average Emissions

Forecasted emissions are based on the 2017 base year inventory and the growth and control data maintained by the ARB and Districts. Control reflects only those rules already adopted.

SANTA CLARA COUNTY

All emissions are represented in Tons per Day and reflect the most current data provided to ARB.
Download these results (as a comma delimited file).
Download more detailed data (as a comma delimited file).
Start a new query.

AREAWIDE SOURCES	TOG	ROG	CO	NOX	SOX	PM	PM10	PM2.5	NH3
SOLVENT EVAPORATION									
CONSUMER PRODUCTS	19.14	15.27	-	-	-	-	-	-	-
ARCHITECTURAL COATINGS AND RELATED PROCESS SOLVENTS	5.45	5.04	-	-	-	-	-	-	-
PESTICIDES/FERTILIZERS	0.40	0.40	-	-	-	-	-	-	0.05
ASPHALT PAVING / ROOFING	0.39	0.30	-	-	-	-	-	-	-
* TOTAL SOLVENT EVAPORATION	25.39	21.02	-	-	-	-	-	-	0.05

	Tract	Residential	Commercial	Industrial	Agriculture	Religion	Government	Education	Total
1	06085500100	3,107.0	1,866.4	1,010.5	45.6	14.1	19.9	0.0	6.063.5
2	06085500200	2,527.3	1,395.4	354.6	3.0	53.8	827.9	131.0	5.293.0
3	06085500300	1,677.6	3,221.2	987.8	25.9	52.5	71.3	34.1	6.070.4
4	06085500400	1,489.3	571.0	99.1	6.3	78.8	14.5	45.9	2.304.9
5	06085500500	3,534.1	1,403.3	67.6	0.7	12.4	0.0	488.0	5.506.1
6	06085500600	2,770.2	946.4	182.2	0.7	19.5	70.4	85.0	4.074.4
7	06085500800	2,454.4	4,366.5	573.9	0.2	73.7	314.9	82.2	7.865.8
8	06085500901	2,271.1	1,842.0	430.1	8.9	31.1	672.2	8,869.0	14.124.4
9	06085500902	950.8	140.1	11.8	0.0	24.3	0.0	0.0	1.127.0
10	06085501000	2,593.6	874.8	68.5	0.0	146.1	17.3	150.5	3.850.8
11	06085501101	2,238.6	435.5	90.0	1.8	84.4	6.6	0.0	2.856.9
12	06085501102	1,791.8	154.8	43.1	2.0	18.7	0.0	125.0	2.135.4
13	06085501200	1,726.2	337.6	6.4	2.9	7.4	3.1	0.0	2.083.6
14	06085501300	3,369.5	245.1	7.4	1.2	65.9	1.4	2.6	3.693.1
15	06085501401	893.5	337.2	559.9	0.5	33.9	43.5	275.9	2.144.4
16	06085501402	955.7	324.9	167.7	1.1	12.9	0.0	0.0	1.462.3
17	06085501501	1,449.7	65.5	27.3	1.1	2.3	0.0	0.0	1.545.9
18	06085501502	1,662.1	68.8	117.3	3.8	0.0	0.0	130.1	1.982.1
19	06085501601	1,991.2	432.4	93.9	18.9	72.8	0.0	0.0	2.609.2
20	06085501602	2,503.5	196.1	26.3	0.0	2.8	0.0	77.1	2.805.8
21	06085501700	1,792.9	1,395.2	239.3	0.0	21.7	143.1	181.5	3.773.7
22	06085501800	2,272.7	282.3	91.6	0.0	12.5	0.0	54.2	2.713.3
23	06085501901	1,380.5	798.6	542.9	34.1	5.5	8.9	63.9	2.834.4
24	06085501902	1,466.6	1,039.4	829.7	1.4	106.9	0.0	24.8	3.468.8
25	06085502001	1,972.6	959.8	36.5	3.4	55.1	0.0	57.1	3.084.5
26	06085502002	1,570.1	355.5	123.9	0.5	43.8	82.9	4.0	2.180.7
27	06085502101	2,857.1	2,628.8	226.1	15.2	79.2	20.1	39.8	5.866.3
28	06085502103	1,752.6	171.3	10.8	0.0	38.8	30.4	566.3	2.570.2
29	06085502104	1,172.6	431.6	23.6	0.0	19.7	12.4	281.9	1.941.8
30	06085502202	2,119.0	672.8	43.6	0.0	22.0	0.0	106.7	2.964.1
31	06085502203	1,772.7	392.5	31.5	0.9	10.4	0.0	0.0	2.208.0
32	06085502204	965.0	220.9	9.9	0.0	0.0	0.0	1.6	1.197.4
33	06085502301	2,310.6	410.6	67.6	6.3	89.5	0.0	2.7	2.887.3
34	06085502302	1,647.2	143.7	21.6	0.0	17.8	0.0	3.2	1.833.5
35	06085502400	4,918.0	583.6	177.3	19.1	103.2	0.0	157.5	5.958.7
36	06085502500	4,400.9	325.2	100.6	4.1	58.3	0.0	529.1	5.418.2
37	06085502601	2,520.6	449.5	183.2	4.0	57.2	0.0	31.2	3.245.7
38	06085502603	1,897.8	366.1	39.9	2.6	4.9	0.0	105.2	2.416.5
39	06085502604	2,133.6	2,000.3	631.9	19.2	12.7	36.3	9.9	4.843.9
40	06085502701	3,118.4	958.0	462.6	10.3	54.9	0.0	62.8	4.667.0
41	06085502703	2,597.4	779.0	129.9	24.8	42.6	0.0	183.5	3.757.2
42	06085502704	2,284.5	634.3	514.4	9.0	14.7	0.0	20.9	3.477.8
43	06085502800	2,521.2	422.7	82.8	12.5	20.3	0.0	99.3	3.158.8
44	06085502901	3,363.9	303.1	57.9	0.9	2.5	25.8	284.4	4.038.5
45	06085502902	4,766.0	681.2	37.7	0.8	102.3	0.0	85.6	5.673.6
46	06085502903	3,513.5	91.8	39.3	5.1	10.0	0.0	20.3	3.680.0
47	06085502906	2,254.4	206.0	39.3	0.9	85.5	4.5	412.6	3.003.2
48	06085502907	2,188.9	166.7	35.2	0.0	13.9	0.0	95.3	2.500.0
49	06085502908	3,594.9	460.5	82.7	2.9	35.9	0.0	139.5	4.316.4
50	06085502909	2,457.4	160.1	19.5	0.0	10.3	0.0	254.0	2.901.3
51	06085502910	1,855.9	732.9	38.3	0.0	74.5	10.7	65.1	2.777.4
52	06085503001	3,247.5	125.8	65.6	1.0	63.5	1.0	279.5	3.783.9
53	06085503002	2,282.5	214.3	38.3	1.2	134.0	0.0	127.4	2.797.7
54	06085503003	2,943.1	268.0	124.9	6.7	11.7	0.0	103.4	3.457.8
55	06085503105	851.7	1,389.0	439.3	2.2	88.5	19.0	2.5	2.792.2
56	06085503110	1,295.0	240.0	646.4	0.0	11.7	0.0	50.0	2.243.1
57	06085503111	1,418.1	46.3	36.9	18.9	27.0	0.0	23.1	1.570.3
58	06085503112	1,520.1	992.0	291.2	7.1	16.5	114.1	3.1	2.944.1
59	06085503113	1,391.9	272.5	49.7	3.2	3.9	1.5	0.7	1.723.4
60	06085503116	4,058.0	669.7	210.7	4.0	6.8	1.0	32.5	4.982.7
#	06085503117	797.1	184.6	15.5	1.6	46.7	0.0	28.1	1.073.6
#	06085503118	1,709.2	47.1	11.1	0.0	0.0	3.2	0.0	1.770.6
#	06085503121	1,510.1	3,073.5	2,388.0	30.3	0.0	65.3	95.6	7.162.8
#	06085503122	1,246.7	5,521.2	3,196.0	97.0	112.2	121.2	278.5	10.572.8
#	06085503123	1,367.5	250.6	417.0	7.1	14.1	0.0	0.0	2.056.3
#	06085503124	2,013.1	642.9	77.8	0.0	118.0	0.0	218.7	3.070.5
#	06085503125	2,182.4	28.0	8.7	0.0	0.0	0.0	85.8	2.304.9
#	06085503126	2,699.3	509.1	126.2	1.3	2.1	0.0	0.0	3.338.0
#	06085503127	4,175.3	370.5	266.5	0.0	41.6	0.0	0.0	4.853.9
#	06085503207	1,786.7	18.1	15.5	0.0	33.3	3.1	62.8	1.919.5
#	06085503208	1,092.0	38.5	25.8	1.0	20.5	0.0	98.3	1.276.1
#	06085503210	1,394.9	19.1	13.7	0.8	21.8	0.0	249.6	1.699.9
#	06085503211	1,743.0	159.3	81.2	0.9	25.3	0.0	0.0	2.009.7
#	06085503212	1,659.5	287.2	22.6	1.5	0.0	0.0	215.5	2.186.3
#	06085503213	3,098.4	74.9	13.5	6.0	15.5	25.5	0.0	3.233.8
#	06085503217	1,194.8	147.8	16.2	0.0	24.4	0.0	421.8	1.805.0
#	06085503218	1,161.3	210.7	14.7	3.1	0.0	0.0	88.3	1.478.1
#	06085503219	910.8	161.8	82.6	0.0	17.4	0.0	0.0	1.172.6
#	06085503220	1,696.2	104.0	52.7	0.9	7.5	2.9	115.0	1.979.2
#	06085503221	1,514.6	412.3	31.5	3.6	0.0	8.4	127.9	2.098.3
#	06085503222	2,458.9	500.1	889.3	7.8	1.0	35.5	1.1	3.893.7
#	06085503304	2,628.8	1,266.0	50.5	2.1	43.4	0.0	127.1	4.117.9
#	06085503305	2,437.1	1,715.7	73.3	6.0	65.7	0.0	189.0	4.486.8
#	06085503306	1,352.3	324.2	6.5	18.2	55.9	0.0	295.8	2.052.9
#	06085503312	2,200.6	81.3	255.4	7.1	12.2	0.0	1.0	2.557.6
#	06085503313	2,837.1	36.1	25.3	0.0	11.2	0.0	1.2	2.910.9
#	06085503315	2,878.8	233.5	60.5	0.9	23.9	0.0	111.7	3.309.3
#	06085503321	2,403.3	240.7	10.9	0.0	58.6	0.0	2.3	2.715.8
#	06085503322	1,809.4	15.2	11.1	0.0	0.0	0.0	87.9	1.923.6
#	06085503323	2,021.2	43.8	5.2	1.1	10.9	10.5	39.2	2.131.9
#	06085503324	1,702.5	18.4	10.6	0.9	2.3	0.0	110.9	1.845.6
#	06085503325	1,736.4	244.1	9.5	1.2	0.8	1.0	267.8	2.260.8
#	06085503326	4,311.0	47.4	25.4	0.0	117.7	0.0	529.3	5.030.8
#	06085503327	2,266.6	140.0	10.8	4.7	5.4	19.0	129.6	2.576.1
#	06085503329	2,303.0	81.9	10.4	1.7	6.8	24.9	147.9	2.576.6
#	06085503330	5,015.7	420.4	78.4	1.5	1.5	0.0	948.4	6.465.9
#	06085503331	2,231.4	63.0	13.8	0.0	0.0	0.0	1.9	2.310.1
#	06085503332	5,362.8	117.5	19.7	2.3	1.6	4.9	0.0	5.508.8
#	06085503333	2,726.3	39.3	18.6	3.5	0.0	0.0	114.1	2.901.8
100	06085503336	1,108.9	63.5	12.3	2.6	0.0	0.0	515.9	1.703.2
101	06085503337	1,639.9	94.5	2.7	5.1	0.0	0.0	127.8	1.870.0
102	06085503338	4,353.0	184.7	2.6	1.6	26.7	7.3	6.3	4.582.2
103	06085503339	4,206.1	74.2	58.4	0.0	53.1	0.0	125.4	4.517.2
104	06085503401	1,102.5	212.9	95.3	1.1	0.0	0.0	52.8	1.464.6
105	06085503402	1,267.8	133.3	2.2	0.9	0.0	0.0	42.2	1.446.4
106	06085503504	1,347.7	202.6	10.8	2.9	0.5	0.0	507.0	2.071.5
107	06085503506	1,561.5	159.3	2.1	0.0	8.8	0.0	2.6	1.734.3
108	06085503507	522.0	43.4	1.2	0.0	0.0	0.0	0.0	566.6
109	06085503508	1,593.4	90.9	8.8	0.6	1.0	0.0	44.3	1.739.0
110	06085503509	1,259.1	119.2	35.3	0.6	7.8	0.0	497.0	1.919.0
111	06085503510	1,590.2	229.2	10.1	0.8	35.4	0.0	89.9	1.955.6
112	06085503511	1,180.0	98.8	4.5	1.2	0.0	0.0	58.2	1.342.7
113	06085503601	1,006.3	1,335.5	1,087.5	9.0	44.6	51.7	35.2	3.569.8
114	06085503602	1,517.9	139.5	69.7	2.8	9.0	5.3	55.8	1.800.0
115	06085503703	996.3	297.6	8.1	0.7	0.0	0.0	2.0	1.304.7
116	06085503707	1,584.5	232.7	141.1	0.0	3.7	0.0	0.0	1.962.0
117	06085503708	913.4	263.4	14.5	0.9	0.0	38.6	612.9	1.843.7
118	06085503709	2,327.3	516.1	398.2	4.0	159.0	7.8	0.0	3.412.4
119	06085503710	1,137.3	262.8	15.9	1.4	14.6	0.0	3.8	1.435.8
120	06085503711	1,280.6	142.3	16.3	1.5	56.0	0.0	150.7	1.647.4
121	06085503712	1,306.7	741.7	40.6	0.0	12.6	27.3	12.9	2.141.8
122	06085503713	1,010.2	17.2	68.1	6.2	5.3	0.0	0.0	1.107.0
123	06085503802	2,950.3	191.3	22.0	37.1	5.2	6.9	154.2	3.367.0
124	06085503803	2,227.0	50.2	10.1	1.4	0.0	0.0	47.2	2.335.9
125	06085503804	2,350.8	778.7	10.8	2.4	45.2	0.0	138.3	3.326.2
126	06085503902	1,815.3	160.5	36.5	2.3	67.4	8.9	64.0	2.154.9
127	06085503903	1,151.2	119.2	15.2	1.9	10.3	50.2	372.7	1.720.7
128	06085504001	1,656.3	552.3	83.9	0.7	54.8	0.0	3.3	2.351.3
129	06085504002	1,488.2	217.3	12.8	3.9	0.4	0.0	72.3	1.794.9
130	06085504101	1,309.5	196.3	63.1	5.4	4.7	0.5	26.6	1.606.1
131	06085504102	1,759.0	93.5	22.3	2.5	29.6	0.0	14.5	1.921.4
132	06085504201	3,292.7	118.5	57.3	5.1	55.5	6.3	47.8	3.583.2
133	06085504202	3,763.8	104.4	218.2	19.0	60.6	0.0	1.1	4.167.1
134	06085504307	2,779.4	237.6	26.5	1.0	10.6	0.0	263.4	3.318.5
135	06085504308	3,010.1	121.8	175.8	0.0	24.3	0.0	37.9	3.369.9
136	06085504311	4,829.4	237.0	39.3	14.4	6.6	0.0	0.0	5.126.7
137	06085504314	2,128.4	104.3	10.1	0.5	4.0	2.9	441.8	2.692.0
138	06085504315	2,857.4	36.1	106.0	0.9	27.3	0.0	83.2	3.110.9

139	06085504316	2,044.6	19.0	3.2	0.0	0.0	0.0	0.0	2.066.8
140	06085504317	2,023.0	219.4	14.4	0.0	0.0	0.0	2.3	2.259.1
141	06085504318	3,504.7	3,452.9	4,084.2	39.8	39.8	445.9	454.4	12.021.7
142	06085504319	4,043.2	764.5	81.5	1.1	0.7	0.0	1.9	4.892.9
143	06085504320	1,587.5	14.1	10.9	0.7	0.0	0.0	0.9	1.614.1
144	06085504321	2,380.0	307.4	10.4	3.9	3.3	0.0	72.6	2.777.6
145	06085504322	2,545.8	4,789.7	4,000.5	73.9	295.4	94.2	799.6	12.599.1
146	06085504323	2,457.0	230.3	226.7	0.0	79.3	15.8	84.5	3.093.6
147	06085504410	1,545.1	360.9	3.5	0.0	11.1	0.0	5.0	1.925.6
148	06085504411	2,326.3	91.9	10.0	0.0	1.8	0.0	71.9	2.501.9
149	06085504412	1,603.2	53.7	7.8	35.8	29.4	0.0	281.8	2.011.7
150	06085504413	1,124.8	350.7	4.8	0.0	0.0	0.0	0.0	1.480.3
151	06085504414	3,433.7	419.7	36.3	0.0	8.1	137.9	36.8	4.072.5
152	06085504415	2,866.1	29.0	0.9	0.9	20.3	0.0	36.0	2.953.2
153	06085504416	1,659.9	532.9	87.3	1.0	75.8	0.0	127.4	2.484.3
154	06085504418	1,570.0	199.6	19.1	0.0	19.5	0.0	76.0	1.884.2
155	06085504421	2,364.0	62.6	4.1	0.0	1.9	0.0	665.0	3.097.6
156	06085504422	1,668.0	100.3	13.1	0.0	16.7	0.0	55.2	1.853.3
157	06085504423	1,000.0	5.6	5.3	0.0	0.0	0.0	0.0	1.010.9
158	06085504424	3,388.5	192.0	155.9	0.9	34.7	0.0	0.0	3.772.0
159	06085504505	5,330.7	875.3	448.8	6.2	19.3	9.7	3.5	6.693.5
160	06085504506	2,858.0	1,232.9	642.8	0.0	156.7	63.8	84.8	5.039.0
161	06085504507	2,248.9	580.6	141.8	0.0	22.9	0.0	149.4	3.143.6
162	06085504508	1,069.9	449.7	273.1	0.0	0.0	51.2	4.2	1.848.1
163	06085504509	2,309.9	5,261.0	3,109.1	6.3	131.8	129.9	113.9	11.061.9
164	06085504510	1,685.0	2,550.0	341.0	3.4	91.5	35.6	8.9	4.715.4
165	06085504601	796.9	3,688.9	2,380.4	13.0	26.2	90.3	295.2	7.290.9
166	06085504602	1,341.6	6,866.9	7,598.1	32.0	167.4	303.5	57.3	16.366.8
167	06085504700	397.5	302.9	32.6	8.3	64.2	872.1	306.2	1.983.8
168	06085504802	2,587.2	1,099.8	1,178.9	22.5	1.8	0.0	43.6	4.933.8
169	06085504805	4,901.3	171.7	149.3	2.1	16.2	0.0	0.0	5.240.6
170	06085504806	1,013.6	62.8	8.2	0.0	23.7	0.0	54.7	1.163.0
171	06085504807	3,439.9	428.5	161.7	10.0	96.6	0.0	0.0	4.136.7
172	06085504808	614.9	241.2	65.6	0.0	0.0	0.0	0.0	921.7
173	06085504902	2,062.8	746.2	246.4	0.0	1.6	0.0	13.6	3.070.6
174	06085504903	2,386.0	243.9	11.3	0.0	0.0	0.0	11.1	2.652.3
175	06085505006	5,439.9	16,542.1	14,566.9	99.5	286.8	505.6	628.5	38.069.3
176	06085505007	2,002.1	3,004.1	3,844.7	26.2	212.7	18.4	45.5	9.153.7
177	06085505010	2,767.1	7,723.6	3,878.5	65.3	127.7	141.3	569.6	15.273.1
178	06085505011	2,318.7	140.8	17.6	0.7	0.0	0.0	27.7	2.505.5
179	06085505012	1,183.7	710.5	969.9	0.0	0.0	0.0	0.0	2.864.1
180	06085505013	1,478.2	809.0	46.6	1.4	0.0	1.3	0.0	2.336.5
181	06085505014	2,430.8	641.5	814.2	0.0	0.0	0.0	83.1	3.969.6
182	06085505015	2,003.4	1,129.4	1,132.9	0.0	20.9	20.8	135.2	4.442.6
183	06085505100	2,538.9	5,184.0	1,205.3	6.6	116.8	1,099.5	128.8	10.279.9
184	06085505202	3,121.2	11,061.0	8,855.4	61.5	361.8	135.7	265.1	23.861.7
185	06085505203	1,763.6	937.0	305.6	3.4	23.0	0.0	2,152.7	5.185.3
186	06085505301	2,015.8	69.4	12.8	0.0	1.1	0.0	1.3	2.100.4
187	06085505302	2,189.1	248.6	28.9	0.8	20.9	61.0	155.3	2.704.6
188	06085505303	2,469.5	251.1	4.8	11.0	0.0	0.0	82.2	2.818.6
189	06085505304	1,536.3	125.5	8.8	0.6	1.1	0.0	93.8	1.766.1
190	06085505305	2,817.2	359.7	7.2	1.1	44.3	0.0	168.7	3.398.2
191	06085505401	2,806.9	329.2	27.4	1.1	53.2	2.4	102.2	3.322.4
192	06085505402	1,401.4	327.6	5.1	0.0	29.7	0.0	15.1	1.778.9
193	06085505403	3,537.8	549.9	26.6	0.8	20.1	5.6	484.4	4.625.2
194	06085505500	2,182.3	448.5	2.5	0.6	45.3	0.0	78.5	2.757.7
195	06085505600	1,929.7	746.5	52.3	10.4	41.2	69.5	35.0	2.884.6
196	06085505700	2,831.8	356.9	105.6	2.0	12.7	3.9	28.3	3.341.2
197	06085505800	2,079.6	1,963.8	54.1	0.0	36.3	9.1	40.1	4.183.0
198	06085505901	2,039.7	731.4	49.7	3.8	0.0	6.8	70.0	2.901.4
199	06085505902	1,901.6	228.7	29.7	6.9	59.1	4.5	4.9	2.235.4
200	06085506000	2,406.7	224.0	7.2	0.0	0.0	0.0	3.2	2.641.1
201	06085506101	2,614.3	223.9	13.3	2.8	16.3	0.0	57.8	2.928.4
202	06085506102	2,390.8	279.1	17.8	0.7	11.8	1.1	49.7	2.751.0
203	06085506103	2,467.7	550.5	33.7	1.7	0.0	0.0	60.7	3.114.3
204	06085506202	4,098.1	529.6	86.2	0.7	14.2	24.1	201.6	4.954.5
205	06085506203	2,288.2	1,061.4	27.8	5.0	5.7	1.6	37.0	3.426.7
206	06085506204	3,165.4	322.6	26.9	0.6	115.5	0.0	123.5	3.754.5
207	06085506301	2,698.6	772.3	78.2	2.1	17.2	2.1	86.1	3.656.6
208	06085506302	3,679.8	523.4	44.7	8.7	70.7	0.0	49.2	4.376.5
209	06085506304	2,051.4	615.8	145.8	1.7	71.7	0.5	386.6	3.273.5
210	06085506305	2,648.3	269.2	76.8	2.3	51.1	22.6	396.7	3.467.0
211	06085506401	2,890.7	2,200.1	92.6	6.5	12.5	1.1	45.1	5.248.6
212	06085506402	2,782.9	479.9	47.4	1.9	13.3	8.5	115.3	3.449.2
213	06085506502	2,676.0	3,096.3	1,405.5	41.6	108.6	86.0	104.8	7.518.8
214	06085506503	3,256.6	826.7	103.4	2.6	139.2	0.0	385.5	4.714.0
215	06085506504	784.1	170.0	8.5	0.0	3.4	0.0	0.0	966.0
216	06085506505	1,783.8	188.2	6.3	0.0	1.5	0.0	69.2	2.049.0
217	06085506601	2,210.8	1,038.1	17.5	17.9	22.4	18.2	135.5	3.460.4
218	06085506603	2,349.6	45.3	39.8	0.0	18.7	0.5	6.2	2.460.1
219	06085506604	3,905.8	576.3	44.5	1.2	20.9	0.9	100.4	4.650.0
220	06085506605	2,107.6	108.9	32.7	1.8	5.1	6.4	2.4	2.264.9
221	06085506606	2,351.4	364.2	14.3	2.2	37.6	9.3	52.1	2.831.1
222	06085506701	2,437.0	35.0	4.7	3.6	6.9	0.0	272.4	2.759.6
223	06085506702	3,088.1	166.3	47.1	1.9	12.7	0.0	23.7	3.339.8
224	06085506703	2,209.2	705.3	53.2	0.0	4.2	12.5	41.4	3.025.8
225	06085506801	4,158.9	1,225.1	111.3	36.9	33.9	10.5	5.6	5.582.2
226	06085506802	3,091.3	744.3	73.1	6.2	39.2	0.0	124.7	4.078.8
227	06085506803	3,675.9	244.6	85.1	0.9	14.4	0.0	405.0	4.425.9
228	06085506804	2,474.3	56.9	25.0	0.0	1.1	0.0	217.5	2.774.8
229	06085506900	6,777.3	300.6	103.4	16.7	147.9	0.0	265.3	7.611.2
230	06085507002	2,984.9	62.5	89.9	10.2	49.4	0.0	1.1	3.198.0
231	06085507003	3,347.5	154.2	192.3	3.4	15.1	0.0	1.1	3.713.6
232	06085507004	3,360.5	1,870.9	215.3	1.5	146.8	95.5	609.8	6.300.3
233	06085507100	2,063.3	1,157.4	199.5	6.9	2.5	0.0	100.7	3.530.3
234	06085507203	1,769.4	1,114.7	260.3	1.5	68.9	47.4	78.7	3.340.9
235	06085507205	4,058.8	232.2	15.2	11.6	23.8	122.0	39.5	4.503.1
236	06085507206	3,405.7	53.5	17.6	0.0	20.6	4.3	0.0	3.501.7
237	06085507301	7,549.8	204.2	79.5	0.5	112.4	0.0	759.8	8.706.2
238	06085507302	3,473.0	452.3	139.4	8.2	27.3	16.8	84.8	4.201.8
239	06085507401	4,628.5	259.7	66.8	0.9	87.2	0.0	117.7	5.160.8
240	06085507402	3,134.7	504.5	41.0	1.9	45.2	0.0	250.1	3.977.4
241	06085507500	5,223.7	243.2	7.5	0.0	43.7	0.0	336.4	5.854.5
242	06085507600	6,378.3	73.3	154.8	8.8	2.7	0.0	68.7	6.686.6
243	06085507701	2,841.7	1,205.1	390.2	3.6	61.7	4.9	1,727.4	6.234.6
244	06085507702	4,850.2	102.6	59.5	1.1	0.0	1.2	558.2	5.572.8
245	06085507704	2,391.1	112.0	11.0	5.1	9.0	0.0	156.5	2.684.7
246	06085507705	3,439.2	74.5	16.8	0.0	19.4	0.0	0.0	3.549.9
247	06085507805	2,614.1	484.2	94.1	0.0	10.0	0.0	21.2	3.223.6
248	06085507806	3,236.4	1,075.1	168.7	1.5	28.8	26.5	28.8	4.565.8
249	06085507807	1,772.3	348.7	5.4	0.0	54.9	0.0	12.3	2.193.6
250	06085507808	3,208.5	336.0	13.8	0.0	21.9	21.9	2.7	3.604.8
251	06085507903	2,960.2	199.2	3.2	4.7	0.7	0.0	143.0	3.311.0
252	06085507904	2,176.8	21.2	5.1	0.0	0.6	0.0	350.5	2.554.2
253	06085507905	2,994.7	458.3	59.1	1.2	0.7	0.0	64.2	3.578.2
254	06085507906	2,587.2	65.5	12.0	0.0	13.8	0.0	23.1	2.701.6
255	06085508003	1,130.7	153.0	9.2	2.2	43.8	0.0	488.5	1.827.4
256	06085508004	3,274.1	177.7	15.9	1.5	21.6	0.0	0.5	3.491.3
257	06085508005	2,245.5	936.2	34.6	0.0	37.7	50.3	68.3	3.372.6
258	06085508006	2,048.0	237.3	4.8	0.0	25.8	0.0	2.5	2.318.4
259	06085508101	3,780.5	1,212.8	179.7	1.1	30.0	67.7	126.0	5.397.8
260	06085508102	1,749.5	7,225.4	1,018.9	1.6	87.4	0.0	9.5	10.092.3
261	06085508203	3,135.4	164.3	8.1	0.8	6.5	0.0	43.0	3.358.1
262	06085508204	2,237.6	85.3	25.5	0.0	0.0	2.2	9.5	2.360.1
263	06085508205	1,989.8	320.6	19.9	5.5	5.5	0.0	82.3	2.423.6
264	06085508206	2,479.0	99.7	10.3	0.7	6.6	0.0	30.6	2.626.9
265	06085508301	2,906.1	195.0	17.1	0.0	8.0	0.0	75.6	3.201.8
266	06085508303	1,778.8	318.8	25.6	0.0	78.5	0.0	191.8	2.393.5
267	06085508305	1,885.5	84.1	8.8	6.1	1.9	0.0	0.0	1.986.4
268	06085508306	1,872.6	64.1	25.6	0.0	2.8	0.0	15.0	1.980.1
269	06085508401	3,786.2	365.7	43.8	0.0	50.1	0.0	73.4	4.319.2
270	06085508403	1,981.9	189.1	34.8	0.0	40.3	7.9	52.1	2.306.1
271	06085508404	3,881.3	548.3	47.3	0.0	0.6	0.0	3.8	4.481.3
272	06085508503	3,156.8	926.9	24.1	0.0	10.4	0.0	7.1	4.125.3
273	06085508505	2,662.2	179.7	5.2	0.5	1.8	0.0	55.3	2.904.7
274	06085508507	1,453.3	326.8	13.4	0.0	0.0	0.0	0.0	1.793.5
275	06085508508	2,677.5	87.8	1.6	0.0	0.0	0.0	1.2	2.768.1
276	06085508509	1,761.6	310.3	6.7	0.0	0.0	16.9	83.0	2.178.5
277	06085508510	1,550.1	454.1	4.6	6.1	0.0	0.0	4.2	2.019.1

278	06085508601	2,041.5	396.9	222.9	0.0	9.5	97.6	0.0	2.768.4
279	06085508602	2,605.1	1,845.0	183.4	0.0	38.4	10.0	102.1	4.784.0
280	06085508705	2,018.2	115.3	27.6	0.0	0.0	5.2	0.0	2.166.3
281	06085508706	2,088.0	160.6	21.3	0.0	0.0	0.0	0.0	2.269.9
282	06085508707	1,806.1	336.9	1,816.6	0.0	8.8	30.7	0.9	4.000.0
283	06085508708	2,867.8	6,001.2	5,300.3	15.3	147.2	38.2	286.8	14.656.8
284	06085508800	1,407.7	311.0	1.7	2.7	0.3	0.0	27.3	1.750.7
285	06085508900	2,005.4	166.8	10.0	0.6	10.7	0.0	71.5	2.265.0
286	06085509001	1,340.6	301.2	82.1	0.0	0.0	0.0	138.9	1.862.8
287	06085509002	1,512.7	76.4	26.4	0.7	7.3	0.0	0.0	1.623.5
288	06085509102	2,729.6	2,661.8	2,236.7	5.2	66.4	49.5	54.4	7.803.6
289	06085509106	2,177.0	273.3	154.6	2.0	33.6	0.0	100.3	2.740.8
290	06085509107	1,636.9	415.5	2.4	2.6	0.0	0.6	0.0	2.058.0
291	06085509108	2,308.4	2,472.5	872.8	0.0	10.6	44.9	27.7	5.736.9
292	06085509109	3,208.5	1,503.8	1,094.8	8.1	64.5	50.4	15.6	5.945.7
293	06085509110	1,691.2	435.2	11.1	0.0	0.0	0.0	0.0	2.137.5
294	06085509111	2,645.0	179.5	63.8	0.0	0.7	0.0	12.0	2.901.0
295	06085509201	2,433.0	576.3	442.4	24.5	134.8	32.2	23.1	3.666.3
296	06085509202	2,266.8	692.8	465.6	16.1	76.4	0.0	35.6	3.553.3
297	06085509302	1,629.7	671.4	1.9	1.3	21.2	0.0	162.2	2.487.7
298	06085509303	1,884.4	78.7	3.5	0.0	71.7	0.0	0.0	2.038.3
299	06085509304	1,707.1	2,405.7	1,202.5	12.0	60.0	15.6	32.6	5.435.5
300	06085509401	1,797.9	325.0	98.4	0.0	9.9	11.4	0.0	2.242.6
301	06085509403	1,597.0	310.5	29.3	1.6	5.7	3.3	87.1	2.034.5
302	06085509404	2,900.6	1,266.5	49.2	0.0	41.5	0.0	12.9	4.270.7
303	06085509500	2,483.6	332.2	36.1	11.8	34.6	0.0	24.3	2.922.6
304	06085509600	2,120.6	1,539.2	117.6	2.0	34.9	162.8	4.8	3.981.9
305	06085509700	1,925.8	301.9	13.3	0.0	2.5	0.0	17.1	2.260.6
306	06085509801	3,463.7	535.4	49.5	0.0	57.0	0.0	73.5	4.179.1
307	06085509802	1,633.8	131.0	20.8	0.0	11.0	0.0	30.1	1.826.7
308	06085509901	1,511.4	1,020.9	39.7	1.3	37.3	0.0	130.7	2.741.3
309	06085509902	4,136.6	607.6	38.5	16.6	2.3	5.8	14.6	4.822.0
310	06085510001	5,149.3	421.4	77.0	0.5	54.5	0.0	249.2	5.951.9
311	06085510002	3,014.1	154.4	45.5	0.0	52.2	0.0	11.7	3.277.9
312	06085510100	2,771.6	41.7	10.5	0.0	4.1	1.0	38.9	2.867.8
313	06085510200	4,010.1	159.5	37.5	0.0	32.9	0.0	49.7	4.289.7
314	06085510300	3,884.1	1,349.0	92.8	7.6	60.7	39.5	42.2	5.475.9
315	06085510400	2,865.5	344.9	128.4	1.0	24.8	0.8	407.9	3.773.3
316	06085510500	4,707.3	468.1	119.6	2.3	20.0	0.9	64.6	5.382.8
317	06085510600	3,990.7	508.0	25.2	1.1	4.1	2.3	525.3	5.056.7
318	06085510700	3,067.9	1,004.5	31.6	2.8	40.1	0.0	17.7	4.164.6
319	06085510801	3,567.4	943.3	582.2	12.2	103.9	1.5	389.2	5.599.7
320	06085510802	1,260.1	189.1	5.0	7.2	35.4	25.7	39.6	1.562.1
321	06085510803	1,492.1	138.0	14.9	0.0	15.0	0.0	114.1	1.774.1
322	06085510900	3,490.9	129.3	4.1	0.0	85.1	0.0	55.9	3.765.3
323	06085511000	3,835.7	372.9	17.9	1.3	25.1	0.0	145.7	4.398.6
324	06085511100	4,081.9	144.5	26.1	2.3	29.7	0.3	26.5	4.311.3
325	06085511200	4,408.8	179.9	36.7	0.0	11.0	0.0	76.8	4.713.2
326	06085511301	2,952.5	659.0	36.3	0.0	69.8	1.6	21.9	3.741.1
327	06085511302	3,094.9	2,179.0	127.1	2.3	37.0	182.4	29.6	5.652.3
328	06085511400	3,667.1	93.1	11.3	0.0	17.3	0.0	82.1	3.870.9
329	06085511501	3,049.9	1,249.9	87.8	3.0	72.8	28.5	334.6	4.826.5
330	06085511502	2,789.8	78.1	1.7	0.0	0.0	0.0	4.6	2.874.2
331	06085511608	1,580.0	405.4	78.1	0.0	2.7	45.4	127.6	2.239.2
332	06085511609	1,905.5	3,556.7	112.1	0.8	2.1	0.0	4,405.9	9.983.1
333	06085511701	5,788.0	185.8	55.7	0.0	136.9	16.6	91.2	6.274.2
334	06085511702	2,922.9	120.6	14.0	0.9	93.8	0.0	26.2	3.178.4
335	06085511704	7,027.9	98.5	122.4	4.7	6.8	0.0	1,018.3	8.278.6
336	06085511705	1,334.8	5,525.1	1,613.6	3.9	106.6	6.5	0.9	8.591.4
337	06085511707	3,491.9	182.1	115.2	32.6	60.7	4.5	304.5	4.191.5
338	06085511800	2,982.3	140.8	318.4	14.6	29.8	11.3	46.1	3.543.3
339	06085511905	2,267.8	210.8	18.0	0.0	11.1	2.7	13.0	2.523.4
340	06085511907	2,634.8	377.7	25.0	0.0	55.2	0.0	347.8	3.440.5
341	06085511910	2,757.1	75.9	25.7	0.0	0.8	0.0	309.0	3.168.5
342	06085511911	4,205.7	278.6	153.7	35.1	18.7	8.9	0.0	4.700.7
343	06085511912	4,084.5	43.9	15.1	0.0	4.3	0.0	314.4	4.462.2
344	06085511913	3,062.8	142.9	27.8	2.6	2.7	0.0	91.5	3.330.3
345	06085511914	4,427.6	244.1	49.8	0.0	29.5	1.5	223.6	4.976.1
346	06085511915	1,359.8	441.9	22.3	4.5	18.2	0.0	334.0	2.180.7
347	06085511916	2,715.1	129.4	48.5	0.0	0.8	0.0	126.3	3.020.1
348	06085511917	4,705.7	61.0	100.7	0.0	0.0	1.2	106.0	4.974.6
349	06085511918	2,811.8	36.8	19.0	0.0	0.0	0.0	0.0	2.867.6
350	06085512001	4,540.3	2,678.9	1,788.4	4.3	79.9	0.0	177.1	9.268.9
351	06085512005	3,792.8	343.7	49.6	0.8	1.1	0.0	162.3	4.350.3
352	06085512019	2,430.1	179.8	17.7	0.8	0.0	0.0	125.4	2.753.8
353	06085512021	3,925.1	132.1	32.2	0.0	3.1	0.0	93.1	4.185.6
354	06085512022	3,663.0	168.1	30.7	1.1	2.8	0.0	3.8	3.869.5
355	06085512023	2,182.0	199.6	19.3	0.0	10.9	0.0	335.1	2.746.9
356	06085512024	2,431.2	549.0	39.4	0.0	10.5	0.0	180.5	3.210.6
357	06085512025	2,149.6	48.8	23.2	0.0	1.1	0.0	172.1	2.394.8
358	06085512026	1,785.9	290.6	39.3	8.0	19.7	0.0	94.8	2.238.3
359	06085512027	2,201.0	2,017.8	46.0	0.0	1.9	0.0	7.7	4.274.4
360	06085512029	3,583.7	366.8	38.5	2.4	1.2	0.0	161.7	4.154.3
361	06085512030	1,839.1	64.1	19.3	0.0	7.5	0.0	467.3	2.397.3
362	06085512031	2,405.2	116.0	18.0	2.7	0.0	0.0	95.0	2.636.9
363	06085512032	1,957.3	2,028.6	1,506.5	5.3	76.5	40.5	256.6	5.871.3
364	06085512034	1,650.1	146.7	8.0	0.9	8.0	0.0	228.9	2.042.6
365	06085512035	2,329.2	81.9	28.4	1.1	8.0	0.0	1.3	2.449.9
366	06085512036	2,549.2	130.9	28.9	2.1	42.4	0.0	68.9	2.822.4
367	06085512037	1,590.5	17.6	20.8	1.7	0.0	0.0	123.2	1.753.8
368	06085512038	1,898.7	84.9	81.4	0.0	0.0	5.6	0.0	2.070.6
369	06085512039	2,713.6	110.5	50.5	0.0	0.0	5.3	105.1	2.985.0
370	06085512042	1,263.0	123.6	11.6	0.0	0.0	0.0	125.9	1.524.1
371	06085512043	2,295.8	84.5	22.6	0.0	43.8	0.0	83.1	2.529.8
372	06085512045	2,836.0	193.8	30.1	1.5	53.3	0.0	183.6	3.298.3
373	06085512047	2,849.9	402.7	38.2	0.8	26.9	7.3	205.4	3.531.2
374	06085512052	3,046.0	1,012.9	152.0	10.4	0.0	12.1	183.0	4.416.4
375	06085512053	2,209.5	88.0	55.6	2.3	10.1	0.0	0.0	2.365.5
376	06085512054	1,743.5	7.3	2.3	0.0	0.0	75.4	0.0	1.828.5
377	06085512055	1,530.1	209.8	12.2	0.0	0.0	0.0	1.8	1.753.9
378	06085512056	1,644.4	22.3	22.4	2.5	0.0	0.0	73.3	1.764.9
379	06085512057	1,602.9	154.0	27.3	1.8	40.6	0.0	472.9	2.299.5
380	06085512058	2,860.4	1,577.9	258.6	5.7	0.0	0.0	0.0	4.702.6
381	06085512059	3,437.8	746.9	121.6	2.0	37.9	7.0	159.4	4.512.6
382	06085512100	2,302.6	697.8	1,085.9	1,265.2	18.0	20.6	183.0	5.573.1
383	06085512200	5,022.0	628.0	113.3	36.8	9.1	19.0	4.3	5.832.5
384	06085512305	4,295.0	57.9	66.1	0.0	20.9	0.0	0.0	4.439.9
385	06085512307	5,062.2	546.1	61.1	43.1	90.3	0.0	178.0	5.980.8
386	06085512308	7,490.2	810.4	46.7	101.4	3.0	0.9	330.0	8.782.6
387	06085512309	3,999.0	161.2	122.7	263.0	53.7	0.0	74.2	4.673.8
388	06085512310	3,515.2	1,534.4	1,746.0	108.2	85.0	109.0	153.8	7.251.6
389	06085512311	3,208.2	2,416.9	2,621.3	575.9	102.7	0.0	261.1	9.186.1
390	06085512312	2,504.9	195.1	18.0	1.0	0.0	37.0	4.2	2.760.2
391	06085512313	2,025.5	676.9	34.5	4.3	25.5	1.3	48.2	2.816.2
392	06085512314	3,869.2	840.4	115.4	2.7	164.9	66.2	607.1	5.665.9
393	06085512401	4,434.7	982.8	608.8	321.7	38.1	59.4	188.3	6.633.8
394	06085512402	4,024.6	672.9	558.1	360.7	19.7	324.3	97.4	6.057.7
395	06085512505	3,646.8	361.1	47.5	3.5	41.3	10.7	270.3	4.381.2
396	06085512509	3,978.0	181.0	13.5	2.1	10.7	0.0	406.3	4.591.6
397	06085512510	5,360.8	329.9	49.7	110.4	3.2	3.1	588.0	6.445.1
398	06085512511	2,124.0	237.2	18.9	0.8	24.1	0.0	180.8	2.585.8
399	06085512512	2,209.1	52.9	38.7	0.0	8.4	109.0	124.5	2.542.6
400	06085512513	1,502.3	695.1	297.6	3.5	49.5	3.9	0.0	2.551.9
401	06085512514	1,537.1	88.5	19.9	0.0	17.4	0.0	5.6	1.668.5
402	06085512515	4,436.3	58.1	48.5	4.8	0.0	10.8	134.9	4.693.4
403	06085512516	2,830.6	33.5	58.1	1.2	48.2	0.0	182.2	3.153.8
404	06085512602	6,561.9	5,809.6	2,679.0	1,351.8	1.8	148.9	207.7	16.760.7
405	06085512603	1,502.3	1,855.2	833.7	0.0	47.9	6.4	93.5	4.339.0
406	06085512604	2,091.8	1,041.6	727.1	77.6	45.1	27.1	172.0	4.182.3
407	06085513000	1,999.4	1,264.8	77.4	0.0	92.7	44.2	111.0	3.589.5
408	06085513500	1,312.8	152.6	31.9	13.5	0.0	2.6	0.0	1.513.4
	Total Square Foot	1,038,165,800	292,896,500	127,648,200	6,514,900	13,361,400	10,239,400	66,117,900	1,554,944,100
									1,554,944,100

Table 1: E-4 Population Estimates for Counties and State 2011-2020 with 2010 Benchmark

	Historical	2020 censu	Projection	Projection	
COUNTY	4/1/2010	1/1/2020	2022	2030	
Alameda	1,510,271	1,682,353			
Alpine	1,175	1,204			
Amador	38,091	40,474			
Butte	220,000	211,632			
Calaveras	45,578	45,292			
Colusa	21,419	21,839			
Contra Cos	1,049,025	1,165,927			
Del Norte	28,610	27,743			
El Dorado	181,058	191,185			
Fresno	930,450	1,008,654			
Glenn	28,122	28,917			
Humboldt	134,623	136,463			
Imperial	174,528	179,702			
Inyo	18,546	19,016			
Kern	839,631	909,235			
Kings	152,982	152,486			
Lake	64,665	68,163			
Lassen	34,895	32,730			
Los Angele:	9,818,605	########			
Madera	150,865	156,255			
Marin	252,409	262,321			
Mariposa	18,251	17,131			
Mendocinc	87,841	91,601			
Merced	255,793	281,202			
Modoc	9,686	8,700			
Mono	14,202	13,195			
Monterey	415,057	439,035			
Napa	136,484	138,019			
Nevada	98,764	102,241			
Orange	3,010,232	3,186,989			
Placer	348,432	404,739			
Plumas	20,007	19,790			
Riverside	2,189,641	2,418,185			
Sacrament	1,418,788	1,585,055			
San Benito	55,269	64,209			
San Bernar	2,035,210	2,181,654			
San Diego	3,095,313	3,298,634			
San Francis	805,235	873,965			
San Joaquir	685,306	779,233			
San Luis Ok	269,637	282,424			
San Mateo	718,451	764,442		800006	
Santa Barb.	423,895	448,229			
Santa Clara	1,781,642	1,936,259	1970020	2105066	16,881
Santa Cruz	262,382	270,861			

Shasta	177,223	182,155
Sierra	3,240	3,236
Siskiyou	44,900	44,076
Solano	413,344	453,491
Sonoma	483,878	488,863
Stanislaus	514,453	552,878
Sutter	94,737	99,633
Tehama	63,463	65,829
Trinity	13,786	16,112
Tulare	442,179	473,117
Tuolumne	55,365	55,620
Ventura	823,318	843,843
Yolo	200,849	216,403
Yuba	72,155	81,575
State Total	########	########

Seely Ave (681 E Trimble), San Jose - Operation Gen - Santa Clara County, Annual

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

Seely Ave (681 E Trimble), San Jose - Operation Gen

Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	348.00	Space	0.00	70,222.00	0
Enclosed Parking with Elevator	1,772.00	Space	0.00	576,518.00	0
City Park	2.50	Acre	0.00	108,900.00	0
Apartments Mid Rise	1,321.00	Dwelling Unit	22.20	1,368,958.00	3778
Condo/Townhouse	154.00	Dwelling Unit	0.00	301,313.00	440
Regional Shopping Center	20.20	1000sqft	0.00	20,197.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2028
Utility Company	San Jose Clean Energy				
CO2 Intensity (lb/MWhr)	178	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SJCE 2020 rate = 178

Land Use - Provided land uses

Construction Phase - Operational run, no construction

Off-road Equipment - Operational run, no construction

Grading -

Vehicle Trips - Provided trip gen with reduction adjuestmnets, used traffic provided passby adjustments for retail

Vehicle Emission Factors - EMFAC2021 vehcile emissions factors Santa Clara Co 2028

Seely Ave (681 E Trimble), San Jose - Operation Gen - Santa Clara County, Annual

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

Woodstoves - No fireplaces

Consumer Products - Santa Clara County Consumer ROG Factor - via CARB Emissions Inventory, HAZUS, CA DOF

Energy Use - San Jose Natural Gas Ban effective dec 2021, convert natural gas to electricity for residential, retail could still use natural gas

Water And Wastewater - Wastewater treatment plant 100% aerobic, no septic tanks or lagoons

Area Mitigation - Operational - For residential and retail, at least 80% exterior and 90% interior paints have to be super-compliant VOC = 30g/L exterior and 10g/L interior

Fleet Mix - EMFAC2021 fleet mix Santa Clara Co 2028

Stationary Sources - Emergency Generators and Fire Pumps - one 500-kW 670-HP standby diesel generator for well 150 hr/year

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	150	30
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	10
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	150	30
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	100	10
tblConstructionPhase	NumDays	10.00	1.00
tblConsumerProducts	ROG_EF	2.14E-05	1.84E-05
tblEnergyUse	NT24E	3,054.10	3,978.74
tblEnergyUse	NT24E	3,795.01	4,719.65
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	T24E	70.89	1,602.68
tblEnergyUse	T24E	52.36	4,186.02
tblEnergyUse	T24NG	5,226.68	0.00
tblEnergyUse	T24NG	14,104.62	0.00
tblFireplaces	FireplaceDayYear	11.14	0.00
tblFireplaces	FireplaceDayYear	11.14	0.00
tblFireplaces	FireplaceHourDay	3.50	0.00
tblFireplaces	FireplaceHourDay	3.50	0.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	FireplaceWoodMass	228.80	0.00

Seely Ave (681 E Trimble), San Jose - Operation Gen - Santa Clara County, Annual

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

tblFireplaces	NumberGas	198.15	0.00
tblFireplaces	NumberGas	23.10	0.00
tblFireplaces	NumberNoFireplace	52.84	0.00
tblFireplaces	NumberNoFireplace	6.16	0.00
tblFireplaces	NumberWood	224.57	0.00
tblFireplaces	NumberWood	26.18	0.00
tblFleetMix	HHD	6.1360e-003	7.7180e-003
tblFleetMix	HHD	6.1360e-003	7.7180e-003
tblFleetMix	HHD	6.1360e-003	7.7180e-003
tblFleetMix	HHD	6.1360e-003	7.7180e-003
tblFleetMix	HHD	6.1360e-003	7.7180e-003
tblFleetMix	HHD	6.1360e-003	7.7180e-003
tblFleetMix	LDA	0.58	0.52
tblFleetMix	LDA	0.58	0.52
tblFleetMix	LDA	0.58	0.52
tblFleetMix	LDA	0.58	0.52
tblFleetMix	LDA	0.58	0.52
tblFleetMix	LDA	0.58	0.52
tblFleetMix	LDT1	0.06	0.04
tblFleetMix	LDT1	0.06	0.04
tblFleetMix	LDT1	0.06	0.04
tblFleetMix	LDT1	0.06	0.04
tblFleetMix	LDT1	0.06	0.04
tblFleetMix	LDT1	0.06	0.04
tblFleetMix	LDT2	0.18	0.24
tblFleetMix	LDT2	0.18	0.24
tblFleetMix	LDT2	0.18	0.24
tblFleetMix	LDT2	0.18	0.24
tblFleetMix	LDT2	0.18	0.24

Seely Ave (681 E Trimble), San Jose - Operation Gen - Santa Clara County, Annual

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

tblFleetMix	LDT2	0.18	0.24
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD2	5.3040e-003	6.0050e-003
tblFleetMix	LHD2	5.3040e-003	6.0050e-003
tblFleetMix	LHD2	5.3040e-003	6.0050e-003
tblFleetMix	LHD2	5.3040e-003	6.0050e-003
tblFleetMix	LHD2	5.3040e-003	6.0050e-003
tblFleetMix	LHD2	5.3040e-003	6.0050e-003
tblFleetMix	MCY	0.02	0.02
tblFleetMix	MCY	0.02	0.02
tblFleetMix	MCY	0.02	0.02
tblFleetMix	MCY	0.02	0.02
tblFleetMix	MCY	0.02	0.02
tblFleetMix	MCY	0.02	0.02
tblFleetMix	MDV	0.11	0.13
tblFleetMix	MDV	0.11	0.13
tblFleetMix	MDV	0.11	0.13
tblFleetMix	MDV	0.11	0.13
tblFleetMix	MDV	0.11	0.13
tblFleetMix	MDV	0.11	0.13
tblFleetMix	MH	2.5850e-003	2.3780e-003
tblFleetMix	MH	2.5850e-003	2.3780e-003
tblFleetMix	MH	2.5850e-003	2.3780e-003
tblFleetMix	MH	2.5850e-003	2.3780e-003

Seely Ave (681 E Trimble), San Jose - Operation Gen - Santa Clara County, Annual

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

tblFleetMix	MH	2.5850e-003	2.3780e-003
tblFleetMix	MH	2.5850e-003	2.3780e-003
tblFleetMix	MHD	8.1880e-003	9.5780e-003
tblFleetMix	MHD	8.1880e-003	9.5780e-003
tblFleetMix	MHD	8.1880e-003	9.5780e-003
tblFleetMix	MHD	8.1880e-003	9.5780e-003
tblFleetMix	MHD	8.1880e-003	9.5780e-003
tblFleetMix	MHD	8.1880e-003	9.5780e-003
tblFleetMix	OBUS	8.6800e-004	1.0640e-003
tblFleetMix	OBUS	8.6800e-004	1.0640e-003
tblFleetMix	OBUS	8.6800e-004	1.0640e-003
tblFleetMix	OBUS	8.6800e-004	1.0640e-003
tblFleetMix	OBUS	8.6800e-004	1.0640e-003
tblFleetMix	OBUS	8.6800e-004	1.0640e-003
tblFleetMix	SBUS	8.6200e-004	6.8400e-004
tblFleetMix	SBUS	8.6200e-004	6.8400e-004
tblFleetMix	SBUS	8.6200e-004	6.8400e-004
tblFleetMix	SBUS	8.6200e-004	6.8400e-004
tblFleetMix	SBUS	8.6200e-004	6.8400e-004
tblFleetMix	SBUS	8.6200e-004	6.8400e-004
tblFleetMix	UBUS	3.4900e-004	4.0300e-004
tblFleetMix	UBUS	3.4900e-004	4.0300e-004
tblFleetMix	UBUS	3.4900e-004	4.0300e-004
tblFleetMix	UBUS	3.4900e-004	4.0300e-004
tblFleetMix	UBUS	3.4900e-004	4.0300e-004
tblFleetMix	UBUS	3.4900e-004	4.0300e-004
tblLandUse	LandUseSquareFeet	139,200.00	70,222.00
tblLandUse	LandUseSquareFeet	708,800.00	576,518.00
tblLandUse	LandUseSquareFeet	1,321,000.00	1,368,958.00

Seely Ave (681 E Trimble), San Jose - Operation Gen - Santa Clara County, Annual

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

tblLandUse	LandUseSquareFeet	154,000.00	301,313.00
tblLandUse	LandUseSquareFeet	20,200.00	20,197.00
tblLandUse	LotAcreage	3.13	0.00
tblLandUse	LotAcreage	15.95	0.00
tblLandUse	LotAcreage	2.50	0.00
tblLandUse	LotAcreage	34.76	22.20
tblLandUse	LotAcreage	9.63	0.00
tblLandUse	LotAcreage	0.46	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	807.98	178
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	670.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	150.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleEF	HHD	0.02	0.21
tblVehicleEF	HHD	0.05	0.10
tblVehicleEF	HHD	6.31	5.09
tblVehicleEF	HHD	0.41	0.68
tblVehicleEF	HHD	6.3790e-003	8.1800e-004
tblVehicleEF	HHD	972.81	757.82
tblVehicleEF	HHD	1,295.90	1,479.56
tblVehicleEF	HHD	0.05	9.9270e-003
tblVehicleEF	HHD	0.15	0.12
tblVehicleEF	HHD	0.21	0.24
tblVehicleEF	HHD	3.0000e-006	6.0000e-006

Seely Ave (681 E Trimble), San Jose - Operation Gen - Santa Clara County, Annual

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

tblVehicleEF	HHD	5.26	3.62
tblVehicleEF	HHD	2.59	1.57
tblVehicleEF	HHD	2.32	2.71
tblVehicleEF	HHD	2.2800e-003	1.8640e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	2.1810e-003	1.7760e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8990e-003	8.7850e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	1.0000e-006	5.5000e-005
tblVehicleEF	HHD	5.9000e-005	1.8000e-005
tblVehicleEF	HHD	0.42	0.32
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	2.5000e-005	1.5700e-004
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	9.0490e-003	6.5680e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	1.0000e-006	5.5000e-005
tblVehicleEF	HHD	5.9000e-005	1.8000e-005
tblVehicleEF	HHD	0.49	0.56
tblVehicleEF	HHD	1.0000e-006	0.00
tblVehicleEF	HHD	0.07	0.12
tblVehicleEF	HHD	2.5000e-005	1.5700e-004
tblVehicleEF	HHD	3.0000e-006	0.00

Seely Ave (681 E Trimble), San Jose - Operation Gen - Santa Clara County, Annual

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

tblVehicleEF	LDA	1.1280e-003	1.4250e-003
tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.43	0.52
tblVehicleEF	LDA	1.80	2.29
tblVehicleEF	LDA	208.82	221.35
tblVehicleEF	LDA	44.22	57.20
tblVehicleEF	LDA	3.3260e-003	3.3730e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.13	0.19
tblVehicleEF	LDA	0.04	7.0970e-003
tblVehicleEF	LDA	1.0460e-003	9.5500e-004
tblVehicleEF	LDA	1.4250e-003	1.6440e-003
tblVehicleEF	LDA	0.02	2.4840e-003
tblVehicleEF	LDA	9.6300e-004	8.7800e-004
tblVehicleEF	LDA	1.3100e-003	1.5110e-003
tblVehicleEF	LDA	0.03	0.24
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	3.9220e-003	5.1050e-003
tblVehicleEF	LDA	0.02	0.18
tblVehicleEF	LDA	0.14	0.22
tblVehicleEF	LDA	2.0660e-003	2.1880e-003
tblVehicleEF	LDA	4.3800e-004	5.6600e-004
tblVehicleEF	LDA	0.03	0.24
tblVehicleEF	LDA	0.07	0.07
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	5.6980e-003	7.4410e-003
tblVehicleEF	LDA	0.02	0.18

Seely Ave (681 E Trimble), San Jose - Operation Gen - Santa Clara County, Annual

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

tblVehicleEF	LDA	0.15	0.24
tblVehicleEF	LDT1	2.1200e-003	4.0520e-003
tblVehicleEF	LDT1	0.04	0.08
tblVehicleEF	LDT1	0.61	1.04
tblVehicleEF	LDT1	1.93	3.92
tblVehicleEF	LDT1	251.94	301.13
tblVehicleEF	LDT1	53.96	78.42
tblVehicleEF	LDT1	4.2390e-003	6.8290e-003
tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	0.04	0.08
tblVehicleEF	LDT1	0.17	0.30
tblVehicleEF	LDT1	0.04	9.1820e-003
tblVehicleEF	LDT1	1.2270e-003	1.4650e-003
tblVehicleEF	LDT1	1.6610e-003	2.3390e-003
tblVehicleEF	LDT1	0.02	3.2140e-003
tblVehicleEF	LDT1	1.1280e-003	1.3470e-003
tblVehicleEF	LDT1	1.5280e-003	2.1510e-003
tblVehicleEF	LDT1	0.05	0.50
tblVehicleEF	LDT1	0.11	0.13
tblVehicleEF	LDT1	0.05	0.00
tblVehicleEF	LDT1	8.5090e-003	0.02
tblVehicleEF	LDT1	0.06	0.39
tblVehicleEF	LDT1	0.18	0.39
tblVehicleEF	LDT1	2.4930e-003	2.9770e-003
tblVehicleEF	LDT1	5.3400e-004	7.7500e-004
tblVehicleEF	LDT1	0.05	0.50
tblVehicleEF	LDT1	0.11	0.13
tblVehicleEF	LDT1	0.05	0.00
tblVehicleEF	LDT1	0.01	0.03

Seely Ave (681 E Trimble), San Jose - Operation Gen - Santa Clara County, Annual

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

tblVehicleEF	LDT1	0.06	0.39
tblVehicleEF	LDT1	0.20	0.43
tblVehicleEF	LDT2	2.0300e-003	2.0990e-003
tblVehicleEF	LDT2	0.05	0.07
tblVehicleEF	LDT2	0.60	0.68
tblVehicleEF	LDT2	2.37	2.95
tblVehicleEF	LDT2	263.74	305.02
tblVehicleEF	LDT2	57.01	77.91
tblVehicleEF	LDT2	4.4300e-003	4.8560e-003
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.04	0.05
tblVehicleEF	LDT2	0.19	0.27
tblVehicleEF	LDT2	0.04	8.8480e-003
tblVehicleEF	LDT2	1.1330e-003	1.1160e-003
tblVehicleEF	LDT2	1.4830e-003	1.8360e-003
tblVehicleEF	LDT2	0.02	3.0970e-003
tblVehicleEF	LDT2	1.0430e-003	1.0270e-003
tblVehicleEF	LDT2	1.3630e-003	1.6880e-003
tblVehicleEF	LDT2	0.05	0.27
tblVehicleEF	LDT2	0.10	0.07
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	7.8330e-003	7.8650e-003
tblVehicleEF	LDT2	0.06	0.20
tblVehicleEF	LDT2	0.21	0.30
tblVehicleEF	LDT2	2.6090e-003	3.0150e-003
tblVehicleEF	LDT2	5.6400e-004	7.7000e-004
tblVehicleEF	LDT2	0.05	0.27
tblVehicleEF	LDT2	0.10	0.07
tblVehicleEF	LDT2	0.05	0.00

Seely Ave (681 E Trimble), San Jose - Operation Gen - Santa Clara County, Annual

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

tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.20
tblVehicleEF	LDT2	0.23	0.32
tblVehicleEF	LHD1	4.3880e-003	4.6810e-003
tblVehicleEF	LHD1	5.9280e-003	5.1820e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.18	0.19
tblVehicleEF	LHD1	0.54	0.66
tblVehicleEF	LHD1	0.94	2.14
tblVehicleEF	LHD1	8.45	8.17
tblVehicleEF	LHD1	721.39	709.22
tblVehicleEF	LHD1	10.54	16.72
tblVehicleEF	LHD1	7.3500e-004	6.1200e-004
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.05	0.04
tblVehicleEF	LHD1	0.39	0.40
tblVehicleEF	LHD1	0.25	0.36
tblVehicleEF	LHD1	8.9600e-004	6.8100e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.8700e-003	9.3930e-003
tblVehicleEF	LHD1	7.7360e-003	0.01
tblVehicleEF	LHD1	2.2100e-004	1.6100e-004
tblVehicleEF	LHD1	8.5700e-004	6.5200e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4680e-003	2.3480e-003
tblVehicleEF	LHD1	7.3560e-003	0.01
tblVehicleEF	LHD1	2.0300e-004	1.4800e-004
tblVehicleEF	LHD1	1.5610e-003	0.10

Seely Ave (681 E Trimble), San Jose - Operation Gen - Santa Clara County, Annual

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

tblVehicleEF	LHD1	0.06	0.02
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	8.3900e-004	0.00
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.18	0.15
tblVehicleEF	LHD1	0.05	0.09
tblVehicleEF	LHD1	8.2000e-005	8.0000e-005
tblVehicleEF	LHD1	7.0370e-003	6.9230e-003
tblVehicleEF	LHD1	1.0400e-004	1.6500e-004
tblVehicleEF	LHD1	1.5610e-003	0.10
tblVehicleEF	LHD1	0.06	0.02
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	8.3900e-004	0.00
tblVehicleEF	LHD1	0.09	0.07
tblVehicleEF	LHD1	0.18	0.15
tblVehicleEF	LHD1	0.06	0.10
tblVehicleEF	LHD2	2.6510e-003	2.6860e-003
tblVehicleEF	LHD2	5.6110e-003	5.0940e-003
tblVehicleEF	LHD2	5.5730e-003	9.7200e-003
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.51	0.43
tblVehicleEF	LHD2	0.51	1.14
tblVehicleEF	LHD2	13.28	13.47
tblVehicleEF	LHD2	700.57	756.59
tblVehicleEF	LHD2	6.75	8.92
tblVehicleEF	LHD2	1.6910e-003	1.6800e-003
tblVehicleEF	LHD2	0.06	0.08
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.08	0.08

Seely Ave (681 E Trimble), San Jose - Operation Gen - Santa Clara County, Annual

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

tblVehicleEF	LHD2	0.48	0.60
tblVehicleEF	LHD2	0.14	0.20
tblVehicleEF	LHD2	1.4880e-003	1.4360e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.1100e-004	6.7000e-005
tblVehicleEF	LHD2	1.4230e-003	1.3730e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.7060e-003	2.6550e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.0200e-004	6.2000e-005
tblVehicleEF	LHD2	7.2700e-004	0.06
tblVehicleEF	LHD2	0.03	0.01
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	4.0900e-004	0.00
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	1.2700e-004	1.2900e-004
tblVehicleEF	LHD2	6.7590e-003	7.2820e-003
tblVehicleEF	LHD2	6.7000e-005	8.8000e-005
tblVehicleEF	LHD2	7.2700e-004	0.06
tblVehicleEF	LHD2	0.03	0.01
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	4.0900e-004	0.00
tblVehicleEF	LHD2	0.12	0.11
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.03	0.05

Seely Ave (681 E Trimble), San Jose - Operation Gen - Santa Clara County, Annual

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

tblVehicleEF	MCY	0.32	0.15
tblVehicleEF	MCY	0.25	0.16
tblVehicleEF	MCY	17.85	11.46
tblVehicleEF	MCY	9.16	7.88
tblVehicleEF	MCY	209.84	186.14
tblVehicleEF	MCY	59.66	44.44
tblVehicleEF	MCY	0.07	0.04
tblVehicleEF	MCY	0.02	6.8250e-003
tblVehicleEF	MCY	1.14	0.53
tblVehicleEF	MCY	0.27	0.11
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	2.1060e-003	1.9750e-003
tblVehicleEF	MCY	2.9000e-003	3.4510e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.9650e-003	1.8440e-003
tblVehicleEF	MCY	2.7160e-003	3.2340e-003
tblVehicleEF	MCY	0.89	3.81
tblVehicleEF	MCY	0.64	3.56
tblVehicleEF	MCY	0.48	0.00
tblVehicleEF	MCY	2.14	0.93
tblVehicleEF	MCY	0.48	3.79
tblVehicleEF	MCY	1.89	1.20
tblVehicleEF	MCY	2.0770e-003	1.8400e-003
tblVehicleEF	MCY	5.9000e-004	4.3900e-004
tblVehicleEF	MCY	0.89	0.08
tblVehicleEF	MCY	0.64	3.56
tblVehicleEF	MCY	0.48	0.00
tblVehicleEF	MCY	2.68	1.14
tblVehicleEF	MCY	0.48	3.79

Seely Ave (681 E Trimble), San Jose - Operation Gen - Santa Clara County, Annual

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

tblVehicleEF	MCY	2.06	1.30
tblVehicleEF	MDV	2.1400e-003	2.4430e-003
tblVehicleEF	MDV	0.05	0.07
tblVehicleEF	MDV	0.60	0.72
tblVehicleEF	MDV	2.45	3.04
tblVehicleEF	MDV	317.99	364.89
tblVehicleEF	MDV	67.38	92.49
tblVehicleEF	MDV	5.7730e-003	6.0270e-003
tblVehicleEF	MDV	0.02	0.03
tblVehicleEF	MDV	0.04	0.06
tblVehicleEF	MDV	0.20	0.30
tblVehicleEF	MDV	0.04	8.9170e-003
tblVehicleEF	MDV	1.1580e-003	1.1030e-003
tblVehicleEF	MDV	1.5000e-003	1.7910e-003
tblVehicleEF	MDV	0.02	3.1210e-003
tblVehicleEF	MDV	1.0670e-003	1.0160e-003
tblVehicleEF	MDV	1.3790e-003	1.6470e-003
tblVehicleEF	MDV	0.06	0.30
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.06	0.00
tblVehicleEF	MDV	8.4840e-003	9.7220e-003
tblVehicleEF	MDV	0.06	0.23
tblVehicleEF	MDV	0.23	0.35
tblVehicleEF	MDV	3.1420e-003	3.6050e-003
tblVehicleEF	MDV	6.6700e-004	9.1400e-004
tblVehicleEF	MDV	0.06	0.30
tblVehicleEF	MDV	0.11	0.08
tblVehicleEF	MDV	0.06	0.00
tblVehicleEF	MDV	0.01	0.01

Seely Ave (681 E Trimble), San Jose - Operation Gen - Santa Clara County, Annual

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

tblVehicleEF	MDV	0.06	0.23
tblVehicleEF	MDV	0.26	0.38
tblVehicleEF	MH	6.2680e-003	7.8580e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.49	0.64
tblVehicleEF	MH	1.74	2.08
tblVehicleEF	MH	1,392.93	1,664.51
tblVehicleEF	MH	16.29	20.83
tblVehicleEF	MH	0.05	0.07
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.13	1.36
tblVehicleEF	MH	0.24	0.30
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	2.2600e-004	2.5500e-004
tblVehicleEF	MH	0.06	0.02
tblVehicleEF	MH	3.2930e-003	3.3260e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.0700e-004	2.3500e-004
tblVehicleEF	MH	0.43	24.71
tblVehicleEF	MH	0.04	6.12
tblVehicleEF	MH	0.16	0.00
tblVehicleEF	MH	0.05	0.06
tblVehicleEF	MH	8.4430e-003	0.15
tblVehicleEF	MH	0.08	0.10
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	1.6100e-004	2.0600e-004
tblVehicleEF	MH	0.43	24.71

Seely Ave (681 E Trimble), San Jose - Operation Gen - Santa Clara County, Annual

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

tblVehicleEF	MH	0.04	6.12
tblVehicleEF	MH	0.16	0.00
tblVehicleEF	MH	0.06	0.08
tblVehicleEF	MH	8.4430e-003	0.15
tblVehicleEF	MH	0.09	0.11
tblVehicleEF	MHD	3.7420e-003	0.02
tblVehicleEF	MHD	1.1630e-003	9.5580e-003
tblVehicleEF	MHD	8.4440e-003	7.2180e-003
tblVehicleEF	MHD	0.40	0.65
tblVehicleEF	MHD	0.17	0.20
tblVehicleEF	MHD	0.91	0.82
tblVehicleEF	MHD	67.24	151.31
tblVehicleEF	MHD	1,020.03	1,148.11
tblVehicleEF	MHD	8.65	7.36
tblVehicleEF	MHD	9.7020e-003	0.02
tblVehicleEF	MHD	0.13	0.15
tblVehicleEF	MHD	7.5160e-003	5.2520e-003
tblVehicleEF	MHD	0.36	0.71
tblVehicleEF	MHD	1.44	0.73
tblVehicleEF	MHD	1.70	1.33
tblVehicleEF	MHD	2.1200e-004	9.7300e-004
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	7.0380e-003	7.1910e-003
tblVehicleEF	MHD	1.1100e-004	8.9000e-005
tblVehicleEF	MHD	2.0300e-004	9.3000e-004
tblVehicleEF	MHD	0.06	0.02
tblVehicleEF	MHD	6.7260e-003	6.8720e-003
tblVehicleEF	MHD	1.0200e-004	8.2000e-005
tblVehicleEF	MHD	3.0500e-004	0.02

Seely Ave (681 E Trimble), San Jose - Operation Gen - Santa Clara County, Annual

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

tblVehicleEF	MHD	0.01	4.2240e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.7100e-004	0.00
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	6.3800e-004	1.3970e-003
tblVehicleEF	MHD	9.7310e-003	0.01
tblVehicleEF	MHD	8.6000e-005	7.3000e-005
tblVehicleEF	MHD	3.0500e-004	0.02
tblVehicleEF	MHD	0.01	4.2240e-003
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	1.7100e-004	0.00
tblVehicleEF	MHD	0.02	0.03
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.05	0.04
tblVehicleEF	OBUS	7.0850e-003	7.5620e-003
tblVehicleEF	OBUS	2.5530e-003	0.01
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.63	0.55
tblVehicleEF	OBUS	0.30	0.34
tblVehicleEF	OBUS	1.65	1.62
tblVehicleEF	OBUS	96.94	89.66
tblVehicleEF	OBUS	1,242.38	1,295.86
tblVehicleEF	OBUS	13.93	13.10
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.12	0.15
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.42	0.35

Seely Ave (681 E Trimble), San Jose - Operation Gen - Santa Clara County, Annual

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

tblVehicleEF	OBUS	1.44	0.87
tblVehicleEF	OBUS	1.12	0.98
tblVehicleEF	OBUS	1.3800e-004	3.5500e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	7.6840e-003	0.01
tblVehicleEF	OBUS	1.5400e-004	1.2400e-004
tblVehicleEF	OBUS	1.3200e-004	3.4000e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	7.3370e-003	0.01
tblVehicleEF	OBUS	1.4100e-004	1.1400e-004
tblVehicleEF	OBUS	1.0770e-003	0.07
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.05	0.04
tblVehicleEF	OBUS	4.8800e-004	0.00
tblVehicleEF	OBUS	0.02	0.04
tblVehicleEF	OBUS	0.04	0.08
tblVehicleEF	OBUS	0.08	0.08
tblVehicleEF	OBUS	9.2000e-004	8.4600e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	1.3800e-004	1.2900e-004
tblVehicleEF	OBUS	1.0770e-003	0.07
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.06	0.05
tblVehicleEF	OBUS	4.8800e-004	0.00
tblVehicleEF	OBUS	0.02	0.05
tblVehicleEF	OBUS	0.04	0.08
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	SBUS	0.06	0.08
tblVehicleEF	SBUS	4.8620e-003	0.09

Seely Ave (681 E Trimble), San Jose - Operation Gen - Santa Clara County, Annual

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

tblVehicleEF	SBUS	5.7680e-003	5.1390e-003
tblVehicleEF	SBUS	2.69	1.79
tblVehicleEF	SBUS	0.40	0.78
tblVehicleEF	SBUS	0.80	0.68
tblVehicleEF	SBUS	341.71	186.34
tblVehicleEF	SBUS	998.71	980.42
tblVehicleEF	SBUS	4.70	3.91
tblVehicleEF	SBUS	0.05	0.02
tblVehicleEF	SBUS	0.12	0.12
tblVehicleEF	SBUS	5.8520e-003	4.6870e-003
tblVehicleEF	SBUS	3.00	1.18
tblVehicleEF	SBUS	3.65	1.92
tblVehicleEF	SBUS	1.06	0.51
tblVehicleEF	SBUS	2.5420e-003	9.2900e-004
tblVehicleEF	SBUS	0.74	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	6.0000e-005	4.4000e-005
tblVehicleEF	SBUS	2.4320e-003	8.8800e-004
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.6870e-003	2.6230e-003
tblVehicleEF	SBUS	0.02	9.6810e-003
tblVehicleEF	SBUS	5.6000e-005	4.1000e-005
tblVehicleEF	SBUS	7.2600e-004	0.04
tblVehicleEF	SBUS	6.9730e-003	8.5400e-003
tblVehicleEF	SBUS	0.30	0.19
tblVehicleEF	SBUS	3.4300e-004	0.00
tblVehicleEF	SBUS	0.07	0.05
tblVehicleEF	SBUS	0.01	0.02

Seely Ave (681 E Trimble), San Jose - Operation Gen - Santa Clara County, Annual

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

tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	3.2570e-003	1.6860e-003
tblVehicleEF	SBUS	9.5500e-003	9.1030e-003
tblVehicleEF	SBUS	4.7000e-005	3.9000e-005
tblVehicleEF	SBUS	7.2600e-004	0.04
tblVehicleEF	SBUS	6.9730e-003	8.5400e-003
tblVehicleEF	SBUS	0.43	0.32
tblVehicleEF	SBUS	3.4300e-004	0.00
tblVehicleEF	SBUS	0.08	0.14
tblVehicleEF	SBUS	0.01	0.02
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	UBUS	1.74	0.53
tblVehicleEF	UBUS	1.9830e-003	2.4480e-003
tblVehicleEF	UBUS	13.17	6.31
tblVehicleEF	UBUS	0.14	0.55
tblVehicleEF	UBUS	1,653.79	1,056.23
tblVehicleEF	UBUS	1.40	3.05
tblVehicleEF	UBUS	0.28	0.16
tblVehicleEF	UBUS	1.1970e-003	4.6420e-003
tblVehicleEF	UBUS	0.71	0.29
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.07	0.13
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	5.1720e-003	5.5340e-003
tblVehicleEF	UBUS	1.5000e-005	1.3000e-005
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	8.3320e-003	0.01
tblVehicleEF	UBUS	4.9460e-003	5.2910e-003
tblVehicleEF	UBUS	1.4000e-005	1.2000e-005

Seely Ave (681 E Trimble), San Jose - Operation Gen - Santa Clara County, Annual

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

tblVehicleEF	UBUS	3.9000e-005	6.9390e-003
tblVehicleEF	UBUS	4.5100e-004	1.9590e-003
tblVehicleEF	UBUS	2.1000e-005	0.00
tblVehicleEF	UBUS	0.03	0.06
tblVehicleEF	UBUS	8.7000e-005	7.8600e-003
tblVehicleEF	UBUS	8.3600e-003	8.2160e-003
tblVehicleEF	UBUS	0.01	8.5010e-003
tblVehicleEF	UBUS	1.4000e-005	3.0000e-005
tblVehicleEF	UBUS	3.9000e-005	6.9390e-003
tblVehicleEF	UBUS	4.5100e-004	1.9590e-003
tblVehicleEF	UBUS	2.1000e-005	0.00
tblVehicleEF	UBUS	1.77	0.60
tblVehicleEF	UBUS	8.7000e-005	7.8600e-003
tblVehicleEF	UBUS	9.1530e-003	8.9960e-003
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PR_TP	54.00	65.00
tblVehicleTrips	ST_TR	4.91	2.80
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	8.14	6.37
tblVehicleTrips	ST_TR	46.12	37.59
tblVehicleTrips	SU_TR	4.09	2.33
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	6.28	4.91
tblVehicleTrips	SU_TR	21.10	17.20
tblVehicleTrips	WD_TR	5.44	3.10
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	7.32	5.73
tblVehicleTrips	WD_TR	37.75	30.77
tblWater	AerobicPercent	87.46	100.00

Seely Ave (681 E Trimble), San Jose - Operation Gen - Santa Clara County, Annual

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

tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	26.42	0.00
tblWoodstoves	NumberCatalytic	3.08	0.00
tblWoodstoves	NumberNoncatalytic	26.42	0.00
tblWoodstoves	NumberNoncatalytic	3.08	0.00
tblWoodstoves	WoodstoveDayYear	14.12	0.00
tblWoodstoves	WoodstoveDayYear	14.12	0.00
tblWoodstoves	WoodstoveWoodMass	582.40	0.00
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

2.0 Emissions Summary

Seely Ave (681 E Trimble), San Jose - Operation Gen - Santa Clara County, Annual

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	7.2495	0.1262	10.9613	5.8000e-004		0.0608	0.0608		0.0608	0.0608	0.0000	17.9283	17.9283	0.0172	0.0000	18.3590
Energy	2.5000e-004	2.3200e-003	1.9500e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	1,100.0061	1,100.0061	0.2035	0.0247	1,112.4572
Mobile	2.7892	1.7913	17.3550	0.0415	4.1537	0.0268	4.1805	1.0359	0.0250	1.0609	0.0000	3,830.4994	3,830.4994	0.1962	0.1786	3,888.6296
Stationary	0.0825	0.2305	0.2103	4.0000e-004		0.0121	0.0121		0.0121	0.0121	0.0000	38.2701	38.2701	5.3700e-003	0.0000	38.4043
Waste						0.0000	0.0000		0.0000	0.0000	142.0774	0.0000	142.0774	8.3965	0.0000	351.9908
Water						0.0000	0.0000		0.0000	0.0000	34.5305	60.8607	95.3912	0.1301	0.0765	121.4297
Total	**10.1214**	**2.1503**	**28.5285**	**0.0424**	**4.1537**	**0.0999**	**4.2536**	**1.0359**	**0.0981**	**1.1340**	**176.6079**	**5,047.5646**	**5,224.1725**	**8.9490**	**0.2798**	**5,531.2706**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	6.2214	0.1262	10.9613	5.8000e-004		0.0608	0.0608		0.0608	0.0608	0.0000	17.9283	17.9283	0.0172	0.0000	18.3590
Energy	2.5000e-004	2.3200e-003	1.9500e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	1,100.0061	1,100.0061	0.2035	0.0247	1,112.4572

Seely Ave (681 E Trimble), San Jose - Operation Gen - Santa Clara County, Annual

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

Mobile	2.7892	1.7913	17.3550	0.0415	4.1537	0.0268	4.1805	1.0359	0.0250	1.0609	0.0000	3,830.4994	3,830.4994	0.1962	0.1786	3,888.6296
Stationary	0.0825	0.2305	0.2103	4.0000e-004		0.0121	0.0121		0.0121	0.0121	0.0000	38.2701	38.2701	5.3700e-003	0.0000	38.4043
Waste						0.0000	0.0000		0.0000	0.0000	142.0774	0.0000	142.0774	8.3965	0.0000	351.9908
Water						0.0000	0.0000		0.0000	0.0000	34.5305	60.8607	95.3912	0.1301	0.0765	121.4297
Total	**9.0933**	**2.1503**	**28.5285**	**0.0424**	**4.1537**	**0.0999**	**4.2536**	**1.0359**	**0.0981**	**1.1340**	**176.6079**	**5,047.5646**	**5,224.1725**	**8.9490**	**0.2798**	**5,531.2706**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**10.16**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.7892	1.7913	17.3550	0.0415	4.1537	0.0268	4.1805	1.0359	0.0250	1.0609	0.0000	3,830.4994	3,830.4994	0.1962	0.1786	3,888.6296
Unmitigated	2.7892	1.7913	17.3550	0.0415	4.1537	0.0268	4.1805	1.0359	0.0250	1.0609	0.0000	3,830.4994	3,830.4994	0.1962	0.1786	3,888.6296

4.2 Trip Summary Information

Seely Ave (681 E Trimble), San Jose - Operation Gen - Santa Clara County, Annual

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

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	4,095.10	3,698.80	3077.93	8,991,707	8,991,707
City Park	0.00	0.00	0.00		
Condo/Townhouse	882.42	980.98	756.14	2,028,898	2,028,898
Enclosed Parking Structure	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Regional Shopping Center	621.55	759.32	347.44	1,237,838	1,237,838
Total	5,599.07	5,439.10	4,181.51	12,258,442	12,258,442

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Condo/Townhouse	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Enclosed Parking Structure	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	65	35	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.520010	0.037190	0.236196	0.132940	0.023827	0.006005	0.009578	0.007718	0.001064	0.000403	0.022009	0.000684	0.002378
City Park	0.520010	0.037190	0.236196	0.132940	0.023827	0.006005	0.009578	0.007718	0.001064	0.000403	0.022009	0.000684	0.002378
Condo/Townhouse	0.520010	0.037190	0.236196	0.132940	0.023827	0.006005	0.009578	0.007718	0.001064	0.000403	0.022009	0.000684	0.002378
Enclosed Parking Structure	0.520010	0.037190	0.236196	0.132940	0.023827	0.006005	0.009578	0.007718	0.001064	0.000403	0.022009	0.000684	0.002378
Enclosed Parking with Elevator	0.520010	0.037190	0.236196	0.132940	0.023827	0.006005	0.009578	0.007718	0.001064	0.000403	0.022009	0.000684	0.002378
Regional Shopping Center	0.520010	0.037190	0.236196	0.132940	0.023827	0.006005	0.009578	0.007718	0.001064	0.000403	0.022009	0.000684	0.002378

5.0 Energy Detail

Historical Energy Use: N

Seely Ave (681 E Trimble), San Jose - Operation Gen - Santa Clara County, Annual

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

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,097.4840	1,097.4840	0.2035	0.0247	1,109.9201
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,097.4840	1,097.4840	0.2035	0.0247	1,109.9201
NaturalGas Mitigated	2.5000e-004	2.3200e-003	1.9500e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	2.5220	2.5220	5.0000e-005	5.0000e-005	2.5370
NaturalGas Unmitigated	2.5000e-004	2.3200e-003	1.9500e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	2.5220	2.5220	5.0000e-005	5.0000e-005	2.5370

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Seely Ave (681 E Trimble), San Jose - Operation Gen - Santa Clara County, Annual

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

Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	47261	2.5000e-004	2.3200e-003	1.9500e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	2.5220	2.5220	5.0000e-005	5.0000e-005	2.5370
Total		**2.5000e-004**	**2.3200e-003**	**1.9500e-003**	**1.0000e-005**		**1.8000e-004**	**1.8000e-004**		**1.8000e-004**	**1.8000e-004**	**0.0000**	**2.5220**	**2.5220**	**5.0000e-005**	**5.0000e-005**	**2.5370**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	47261	2.5000e-004	2.3200e-003	1.9500e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	2.5220	2.5220	5.0000e-005	5.0000e-005	2.5370
Total		**2.5000e-004**	**2.3200e-003**	**1.9500e-003**	**1.0000e-005**		**1.8000e-004**	**1.8000e-004**		**1.8000e-004**	**1.8000e-004**	**0.0000**	**2.5220**	**2.5220**	**5.0000e-005**	**5.0000e-005**	**2.5370**

5.3 Energy by Land Use - Electricity

Unmitigated

Seely Ave (681 E Trimble), San Jose - Operation Gen - Santa Clara County, Annual

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

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	8.3525e+006	674.3760	0.1250	0.0152	682.0177
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	1.52564e+006	123.1795	0.0228	2.7700e-003	124.5753
Enclosed Parking Structure	368666	29.7659	5.5200e-003	6.7000e-004	30.1031
Enclosed Parking with Elevator	3.13626e+006	253.2197	0.0470	5.6900e-003	256.0891
Regional Shopping Center	209847	16.9429	3.1400e-003	3.8000e-004	17.1349
Total		**1,097.4840**	**0.2035**	**0.0247**	**1,109.9201**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	8.3525e+006	674.3760	0.1250	0.0152	682.0177
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse	1.52564e+006	123.1795	0.0228	2.7700e-003	124.5753

Seely Ave (681 E Trimble), San Jose - Operation Gen - Santa Clara County, Annual

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

Enclosed Parking Structure	368666	29.7659	5.5200e-003	6.7000e-004	30.1031
Enclosed Parking with Elevator	3.13626e+006	253.2197	0.0470	5.6900e-003	256.0891
Regional Shopping Center	209847	16.9429	3.1400e-003	3.8000e-004	17.1349
Total		**1,097.4840**	**0.2035**	**0.0247**	**1,109.9201**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	6.2214	0.1262	10.9613	5.8000e-004		0.0608	0.0608		0.0608	0.0608	0.0000	17.9283	17.9283	0.0172	0.0000	18.3590
Unmitigated	7.2495	0.1262	10.9613	5.8000e-004		0.0608	0.0608		0.0608	0.0608	0.0000	17.9283	17.9283	0.0172	0.0000	18.3590

6.2 Area by SubCategory

Unmitigated

Seely Ave (681 E Trimble), San Jose - Operation Gen - Santa Clara County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.1998					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.7194					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.3303	0.1262	10.9613	5.8000e-004		0.0608	0.0608		0.0608	0.0608	0.0000	17.9283	17.9283	0.0172	0.0000	18.3590
Total	**7.2495**	**0.1262**	**10.9613**	**5.8000e-004**		**0.0608**	**0.0608**		**0.0608**	**0.0608**	**0.0000**	**17.9283**	**17.9283**	**0.0172**	**0.0000**	**18.3590**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1717					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.7194					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.3303	0.1262	10.9613	5.8000e-004		0.0608	0.0608		0.0608	0.0608	0.0000	17.9283	17.9283	0.0172	0.0000	18.3590
Total	**6.2214**	**0.1262**	**10.9613**	**5.8000e-004**		**0.0608**	**0.0608**		**0.0608**	**0.0608**	**0.0000**	**17.9283**	**17.9283**	**0.0172**	**0.0000**	**18.3590**

Seely Ave (681 E Trimble), San Jose - Operation Gen - Santa Clara County, Annual

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

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	95.3912	0.1301	0.0765	121.4297
Unmitigated	95.3912	0.1301	0.0765	121.4297

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	86.0685 / 54.2606	83.3862	0.1146	0.0674	106.3403
City Park	0 / 2.9787	0.8418	1.6000e-004	2.0000e-005	0.8513
Condo/Townhouse	10.0337 / 6.32561	9.7210	0.0134	7.8600e-003	12.3970

Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.49626 / 0.917066	1.4422	1.9900e-003	1.1700e-003	1.8412
Total		**95.3912**	**0.1301**	**0.0765**	**121.4297**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	86.0685 / 54.2606	83.3862	0.1146	0.0674	106.3403
City Park	0 / 2.9787	0.8418	1.6000e-004	2.0000e-005	0.8513
Condo/Townhouse	10.0337 / 6.32561	9.7210	0.0134	7.8600e-003	12.3970
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.49626 / 0.917066	1.4422	1.9900e-003	1.1700e-003	1.8412
Total		**95.3912**	**0.1301**	**0.0765**	**121.4297**

8.0 Waste Detail

Seely Ave (681 E Trimble), San Jose - Operation Gen - Santa Clara County, Annual

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

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	142.0774	8.3965	0.0000	351.9908
Unmitigated	142.0774	8.3965	0.0000	351.9908

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	607.66	123.3495	7.2898	0.0000	305.5931
City Park	0.21	0.0426	2.5200e-003	0.0000	0.1056
Condo/Townhouse	70.84	14.3799	0.8498	0.0000	35.6255
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	21.21	4.3054	0.2544	0.0000	10.6665

Seely Ave (681 E Trimble), San Jose - Operation Gen - Santa Clara County, Annual

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

Total		**142.0774**	**8.3965**	**0.0000**	**351.9908**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	607.66	123.3495	7.2898	0.0000	305.5931
City Park	0.21	0.0426	2.5200e-003	0.0000	0.1056
Condo/Townhouse	70.84	14.3799	0.8498	0.0000	35.6255
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	21.21	4.3054	0.2544	0.0000	10.6665
Total		**142.0774**	**8.3965**	**0.0000**	**351.9908**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Seely Ave (681 E Trimble), San Jose - Operation Gen - Santa Clara County, Annual

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

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0	150	670	0.73	Diesel

Boilers

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

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel	0.0825	0.2305	0.2103	4.0000e-004		0.0121	0.0121		0.0121	0.0121	0.0000	38.2701	38.2701	5.3700e-003	0.0000	38.4043
Total	**0.0825**	**0.2305**	**0.2103**	**4.0000e-004**		**0.0121**	**0.0121**		**0.0121**	**0.0121**	**0.0000**	**38.2701**	**38.2701**	**5.3700e-003**	**0.0000**	**38.4043**

11.0 Vegetation

Attachment 3: EMFAC2021 Emissions Calculations

Infrastructure - Summary of Construction Traffic Emissions (EMFAC2021)

Pollutants YEAR	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	NBio- CO2	CH4	N2O	CO2e
	Tons										*Metric Tons*			
Criteria Pollutants														
2024	0.0077	0.1886	0.1365	0.0013	0.0357	0.0122	0.0479	0.0054	0.0052	0.0106	133.0031	0.0104	0.0199	139.1966
Toxic Air Contaminants (1 Mile Trip Length)														
2024	0.0058	0.0458	0.0468	0.0001	0.0026	0.0008	0.0034	0.0004	0.0004	0.0007	12.5965	0.0019	0.0020	13.2279

Building 1 - Summary of Construction Traffic Emissions (EMFAC2021)

Pollutants YEAR	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	NBio- CO2	CH4	N2O	CO2e
	Tons										*Metric Tons*			
Criteria Pollutants														
2024	0.0734	0.2326	0.8088	0.0028	0.2000	0.0194	0.2194	0.0301	0.0076	0.0377	268.9477	0.0124	0.0214	275.6446
2025	0.0865	0.2746	0.9467	0.0035	0.2502	0.0240	0.2743	0.0376	0.0094	0.0470	328.9942	0.0147	0.0261	337.1415
Toxic Air Contaminants (1 Mile Trip Length)														
2024	0.0643	0.0899	0.2947	0.0004	0.0196	0.0023	0.0219	0.0029	0.0010	0.0040	37.8929	0.0062	0.0050	39.5387
2025	0.0762	0.1086	0.3474	0.0005	0.0245	0.0029	0.0274	0.0037	0.0012	0.0049	46.3773	0.0074	0.0061	48.3779

TH - Summary of Construction Traffic Emissions (EMFAC2021)

Pollutants YEAR	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	NBio- CO2	CH4	N2O	CO2e
					Tons							*Metric Tons*		
Criteria Pollutants														
2024	0.0479	0.1354	0.5229	0.0018	0.1295	0.0118	0.1413	0.0195	0.0046	0.0241	166.4812	0.0073	0.0125	170.3855
2025	0.0598	0.1692	0.6489	0.0023	0.1718	0.0156	0.1874	0.0259	0.0060	0.0319	216.0245	0.0092	0.0161	221.0586
2026	0.0563	0.1596	0.6103	0.0022	0.1718	0.0155	0.1873	0.0259	0.0060	0.0318	211.4341	0.0087	0.0157	216.3285
2027	0.0032	0.0091	0.0347	0.0001	0.0104	0.0009	0.0113	0.0016	0.0004	0.0019	12.4664	0.0005	0.0009	12.7529
Toxic Air Contaminants (1 Mile Trip Length)														
2024	0.0420	0.0519	0.1889	0.0002	0.0126	0.0014	0.0140	0.0019	0.0006	0.0025	22.9744	0.0038	0.0030	23.9596
2025	0.0528	0.0664	0.2360	0.0003	0.0167	0.0018	0.0186	0.0025	0.0008	0.0033	29.8280	0.0048	0.0039	31.0974
2026	0.0501	0.0640	0.2230	0.0003	0.0167	0.0018	0.0186	0.0025	0.0008	0.0033	29.1956	0.0046	0.0038	30.4291
2027	0.0029	0.0037	0.0127	0.0000	0.0010	0.0001	0.0011	0.0002	0.0000	0.0002	1.7211	0.0003	0.0002	1.7934

Affordable - Summary of Construction Traffic Emissions (EMFAC2021)

Pollutants / YEAR	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	NBio- CO2	CH4	N2O	CO2e
	Tons										*Metric Tons*			
Criteria Pollutants														
2024	0.0153	0.0415	0.1667	0.0006	0.0412	0.0037	0.0449	0.0062	0.0014	0.0076	52.0580	0.0023	0.0038	53.2531
2025	0.0283	0.0768	0.3067	0.0011	0.0810	0.0072	0.0883	0.0122	0.0028	0.0150	100.1056	0.0043	0.0073	102.3882
Toxic Air Contaminants (1 Mile Trip Length)														
2024	0.0134	0.0159	0.0601	0.0001	0.0040	0.0004	0.0044	0.0006	0.0002	0.0008	7.1438	0.0012	0.0009	7.4496
2025	0.0250	0.0302	0.1112	0.0001	0.0079	0.0008	0.0087	0.0012	0.0004	0.0015	13.7449	0.0023	0.0018	14.3287

Building 2 - Summary of Construction Traffic Emissions (EMFAC2021)

Pollutants YEAR	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	NBio- CO2	CH4	N2O	CO2e
					Tons							*Metric Tons*		
Criteria Pollutants														
2024	0.0271	0.0907	0.2993	0.0011	0.0741	0.0074	0.0815	0.0112	0.0029	0.0141	102.0844	0.0047	0.0084	104.6977
2025	0.1012	0.3399	1.1116	0.0042	0.2941	0.0290	0.3231	0.0442	0.0114	0.0556	396.1339	0.0179	0.0324	406.2236
2026	0.0828	0.2793	0.9088	0.0036	0.2554	0.0251	0.2805	0.0384	0.0098	0.0482	336.8080	0.0147	0.0274	345.3393
Toxic Air Contaminants (1 Mile Trip Length)														
2024	0.0237	0.0351	0.1095	0.0002	0.0073	0.0009	0.0082	0.0011	0.0004	0.0015	14.5117	0.0023	0.0019	15.1448
2025	0.0891	0.1347	0.4098	0.0006	0.0289	0.0035	0.0324	0.0044	0.0015	0.0058	56.3408	0.0088	0.0075	58.7825
2026	0.0734	0.1130	0.3369	0.0005	0.0251	0.0030	0.0281	0.0038	0.0013	0.0051	47.9041	0.0073	0.0063	49.9670

Building 3 - Summary of Construction Traffic Emissions (EMFAC2021)

Pollutants YEAR	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	NBio- CO2	CH4	N2O	CO2e
	Tons										*Metric Tons*			
Criteria Pollutants														
2026	0.0665	0.2196	0.7287	0.0028	0.2044	0.0199	0.2243	0.0308	0.0077	0.0385	266.8686	0.0117	0.0215	273.5635
2027	0.0790	0.2602	0.8611	0.0034	0.2557	0.0247	0.2804	0.0385	0.0095	0.0480	326.5463	0.0139	0.0262	334.6872
Toxic Air Contaminants (1 Mile Trip Length)														
2026	0.0590	0.0890	0.2697	0.0004	0.0201	0.0024	0.0224	0.0030	0.0010	0.0040	37.8739	0.0058	0.0050	39.5044
2027	0.0706	0.1074	0.3203	0.0005	0.0251	0.0030	0.0281	0.0038	0.0012	0.0050	46.3346	0.0069	0.0061	48.3181

Infrastructure - CalEEMod Construction Inputs

Phase	CalEEMod WORKER TRIPS	CalEEMod VENDOR TRIPS	Total Worker Trips	Total Vendor Trips	CalEEMod HAULING TRIPS	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class	*Worker VMT*	*Vendor VMT*	*Hauling VMT*
Demolition	8	0	120	0	106	10.8	7.3	20	LD_Mix	HDT_Mix	HHDT	1296	0	2120
Site Preparation	33	0	2112	0	3,000	10.8	7.3	20	LD_Mix	HDT_Mix	HHDT	22809.6	0	60000
Trenching/Utilities	5	0	325	0	0	10.8	7.3	20	LD_Mix	HDT_Mix	HHDT	3510	0	0
Paving	10	0	660	0	1560	10.8	7.3	7.3	LD_Mix	HDT_Mix	HHDT	7128	0	11388

Number of Days Per Year					
2024	2/1/24	9/30/24	243	175	
			243	**175**	***Total Workdays***

Phase	Start Date	End Date	Days/Week	Workdays
Demolition	2/1/2024	2/21/2024	5	15
Site Preparation	2/1/2024	4/30/2024	5	64
Trenching/Utilities	4/1/2024	6/28/2024	5	65
Paving	7/1/2024	9/30/2024	5	66

Builidng 1 - CalEEMod Construction Inputs

Phase	CalEEMod WORKER TRIPS	CalEEMod VENDOR TRIPS	Total Worker Trips	Total Vendor Trips	CalEEMod HAULING TRIPS	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class	*Worker VMT*	*Vendor VMT*	*Hauling VMT*
Site Preparation	10	0	210	0	0	10.8	7.3	20	LD_Mix	HDT_Mix	HHDT	2268	0	0
Trenching	8	0	168	0	0	10.8	7.3	20	LD_Mix	HDT_Mix	HHDT	1814.4	0	0
Building Construction	350	71	98700	20022	2600	10.8	7.3	7.3	LD_Mix	HDT_Mix	HHDT	1065960	146160.6	18980
Architectural Coating	70	0	11970	0	0	10.8	7.3	20	LD_Mix	HDT_Mix	HHDT	129276	0	0
Paving	13	0	130	0	27	10.8	7.3	7.3	LD_Mix	HDT_Mix	HHDT	1404	0	197.1

Number of Days Per Year					
2024	4/1/24	12/31/24	275	197	
2025	1/1/25	12/10/25	344	246	
			619	**443**	***Total Workdays***

Phase	Start Date	End Date	Days/Week	Workdays
Site Preparation	4/1/2024	4/29/2024	5	21
Trenching	5/1/2024	5/29/2024	5	21
Building Construction	5/31/2024	6/30/2025	5	282
Architectural Coating	4/1/2025	11/25/2025	5	171
Paving	11/27/2025	12/10/2025	5	10

Townhomes - CalEEMod Construction Inputs

Phase	CalEEMod WORKER TRIPS	CalEEMod VENDOR TRIPS	Total Worker Trips	Total Vendor Trips	CalEEMod HAULING TRIPS	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class	*Worker VMT*	*Vendor VMT*	*Hauling VMT*
Trenching/Utilities	5	0	490	0	0	10.8	7.3	20	LD_Mix	HDT_Mix	HHDT	5292	0	0
Paving	13	0	728	0	400	10.8	7.3	7.3	LD_Mix	HDT_Mix	HHDT	7862.4	0	2920
Building Foundation	140	0	7700	0	0	10.8	7.3	20	LD_Mix	HDT_Mix	HHDT	83160	0	0
Building Construction	140	28	102200	20440	600	10.8	7.3	7.3	LD_Mix	HDT_Mix	HHDT	1103760	149212	4380
Architectural Coating	28	0	10220	0	0	10.8	7.3	20	LD_Mix	HDT_Mix	HHDT	110376	0	0

Number of Days Per Year					
2024	4/1/24	12/31/24	275	275	
2025	1/1/25	12/31/25	365	365	
2026	1/1/26	12/31/26	365	365	
2027	1/1/27	1/22/27	22	22	
			1027	**1027**	***Total Workdays***

Phase	Start Date	End Date	Days/Week	Workdays
Trenching/Utilities	4/1/2024	7/7/2024	7	98
Paving	7/9/2024	9/2/2024	7	56
Building Foundation	9/4/2024	10/28/2024	7	55
Building Construction	9/26/2024	9/25/2026	7	730
Architectural Coating	1/23/2026	1/22/2027	7	365

Affordable - CalEEMod Construction Inputs

Phase	CalEEMod WORKER TRIPS	CalEEMod VENDOR TRIPS	Total Worker Trips	Total Vendor Trips	CalEEMod HAULING TRIPS	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class	*Worker VMT*	*Vendor VMT*	*Hauling VMT*
Site Preparation	10	0	100	0	0	10.8	7.3	20	LD_Mix	HDT_Mix	HHDT	1080	0	0
Trenching	8	0	80	0	0	10.8	7.3	20	LD_Mix	HDT_Mix	HHDT	864	0	0
Building Construction	138	24	26910	4680	400	10.8	7.3	7.3	LD_Mix	HDT_Mix	HHDT	290628	34164	2920
Architectural Coating	28	0	3668	0	0	10.8	7.3	20	LD_Mix	HDT_Mix	HHDT	39614.4	0	0
Paving	10	0	150	0	0	10.8	7.3	7.3	LD_Mix	HDT_Mix	HHDT	1620	0	0

Number of Days Per Year					
2024	8/1/24	12/31/24	153	110	
2025	1/1/25	10/28/25	301	216	
			454	**325**	***Total Workdays***

Phase	Start Date	End Date	Days/Week	Workdays
Site Preparation	8/1/2024	8/14/2024	5	10
Trenching	8/15/2024	8/28/2024	5	10
Building Construction	8/29/2024	5/28/2025	5	195
Architectural Coating	4/29/2025	10/28/2025	5	131
Paving	10/8/2025	10/28/2025	5	15

Builidng 2 - CalEEMod Construction Inputs

Phase	CalEEMod WORKER TRIPS	CalEEMod VENDOR TRIPS	Total Worker Trips	Total Vendor Trips	CalEEMod HAULING TRIPS	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class	*Worker VMT*	*Vendor VMT*	*Hauling VMT*
Site Preparation	10	0	210	0	0	10.8	7.3	20	LD_Mix	HDT_Mix	HHDT	2268	0	0
Trenching	8	0	168	0	0	10.8	7.3	20	LD_Mix	HDT_Mix	HHDT	1814.4	0	0
Building Construction	389	86	134983	29842	3800	10.8	7.3	7.3	LD_Mix	HDT_Mix	HHDT	1457816	217846.6	27740
Architectural Coating	78	0	16926	0	0	10.8	7.3	20	LD_Mix	HDT_Mix	HHDT	182800.8	0	0
Paving	13	0	130	0	27	10.8	7.3	7.3	LD_Mix	HDT_Mix	HHDT	1404	0	197.1

Number of Days Per Year					
2024	10/1/24	12/31/24	92	66	
2025	1/1/25	12/31/25	365	261	
2026	1/1/26	11/13/26	317	227	
			774	**554**	***Total Workdays***

Phase	Start Date	End Date	Days/Week	Workdays
Site Preparation	10/1/2024	10/29/2024	5	21
Trenching	10/31/2024	11/28/2024	5	21
Building Construction	11/30/2024	3/31/2026	5	347
Architectural Coating	12/31/2025	10/29/2026	5	217
Paving	10/31/2026	11/13/2026	5	10

Builidng 3 - CalEEMod Construction Inputs

Phase	CalEEMod WORKER TRIPS	CalEEMod VENDOR TRIPS	Total Worker Trips	Total Vendor Trips	CalEEMod HAULING TRIPS	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class	*Worker VMT*	*Vendor VMT*	*Hauling VMT*
Site Preparation	10	0	210	0	0	10.8	7.3	20	LD_Mix	HDT_Mix	HHDT	2268	0	0
Trenching	8	0	168	0	0	10.8	7.3	20	LD_Mix	HDT_Mix	HHDT	1814.4	0	0
Building Construction	356	73	100392	20586	3400	10.8	7.3	7.3	LD_Mix	HDT_Mix	HHDT	1084234	150277.8	24820
Architectural Coating	71	0	12141	0	0	10.8	7.3	20	LD_Mix	HDT_Mix	HHDT	131122.8	0	0
Paving	10	0	100	0	27	10.8	7.3	7.3	LD_Mix	HDT_Mix	HHDT	1080	0	197.1

Number of Days Per Year					
2026	4/1/26	12/31/26	275	197	
2027	1/1/27	12/10/27	344	246	
			619	**443**	***Total Workdays***

Phase	Start Date	End Date	Days/Week	Workdays
Site Preparation	4/1/2026	4/29/2026	5	21
Trenching	5/1/2026	5/29/2026	5	21
Building Construction	5/31/2026	6/29/2027	5	282
Architectural Coating	4/1/2027	11/25/2027	5	171
Paving	11/27/2027	12/10/2027	5	10

Category		Mix %	Adj	ROG_DIURN	ROG_HTSK	ROG_IDLEX	ROG_RESTL	ROG_RUNEX	ROG_RUNLS	ROG_STREX	NOX_IDLEX	NOX_RUNEX	NOX_STREX
Hauling	HHDT	100.0	1	0.000195977	5.82846E-05	0.329789936	0	0.01860554	0.00052501	4.36152E-07	4.075118	1.850604526	2.731408381
	MHD	0.0	0	0.025794994	0.006259754	0.026359118	0	0.03811329	0.05096401	0.04894298	0.8928585	1.112921974	1.40789614
Vendor	HHDT	50.0	0.5	9.79886E-05	2.91423E-05	0.164894968	0	0.00930277	0.0002625	2.18076E-07	2.037559	0.925302263	1.36570419
	MHD	50.0	0.5	0.012897497	0.003129877	0.013179559	0	0.01905664	0.02548201	0.02447149	0.4464293	0.556460987	0.70394807
			1	0.012995486	0.003159019	0.178074527	0	0.02835941	0.02574451	0.024471708	2.4839883	1.48176325	2.06965226
Worker	LDA	50.0	0.5	0.136796864	0.040510207	0	0	0.00394285	0.10236849	0.147535756	0	0.018684555	0.115476587
	LDT1	25.0	0.25	0.148814258	0.041105424	0	0	0.00690435	0.11745495	0.134116008	0	0.0319581	0.094816504
	LDT2	25.0	0.25	0.072043204	0.020150051	0	0	0.00277508	0.05358915	0.094795741	0	0.017007912	0.082407943
			1	0.357654326	0.101765681	0	0	0.01362228	0.2734126	0.376447505	0	0.067650567	0.292701033

Category		CO_IDLEX	CO_RUNEX	CO_STREX	SO2_IDLEX	SO2_RUNEX	SO2_STREX	Road Dust PM10	PM10_PM BW	PM10_PM TW	PM10_IDL EX	PM10_RU NEX	PM10_STREX
Hauling	HHDT	5.19556	0.77488683	0.000626	0.00728035	0.014635772	1.93499E-07		0.081298	0.035125	0.002182	0.025474	6.09682E-07
	MHD	0.671381	0.34617278	1.07433	0.00148998	0.011664295	8.43209E-05	0.299	0.045399	0.012	0.002128	0.012985	0.000106814
Vendor	HHDT	2.59778	0.38744341	0.000313	0.00364017	0.007317886	9.67497E-08		0.040649	0.017563	0.001091	0.012737	3.04841E-07
	MHD	0.335691	0.17308639	0.537165	0.00074499	0.005832147	4.21605E-05		0.0227	0.006	0.001064	0.006492	5.3407E-05
		2.933471	0.5605298	0.537478	0.00438516	0.013150033	4.22572E-05	0.299	0.063348	0.023563	0.002155	0.01923	5.37119E-05
Worker	LDA	0	0.32486778	1.445873	0	0.001211349	0.000313927		0.003584	0.004	0	0.000585	0.000954881
	LDT1	0	0.35468197	1.306204	0	0.000804162	0.00021249		0.002306	0.002	0	0.000482	0.00072446
	LDT2	0	0.2073341	0.905899	0	0.000831592	0.000213499		0.002217	0.002	0	0.000333	0.000526973
		0	0.88688386	3.657977	0	0.002847102	0.000739916	0.299	0.008107	0.008	0	0.001401	0.002206314

Category		Road Dust PM25	PM25_PM BW	PM25_PM TW	PM25_IDL EX	PM25_RUN EX	PM25_STR EX	CO2_NBIO _IDLEX	CO2_NBIO _RUNEX	CO2_NBIO _STREX	CH4_IDLE X	CH4_RUNEX	CH4_STREX	N2O_IDLEX	N2O_RUNEX	N2O_STREX
					19	22	23	8	9	10						
Hauling	HHDT		0.028454	0.008781	0.002082	0.0243688	5.606E-07	832.31669	1617.1297	0.019573	0.232934	0.121678903	8.02769E-08	0.134072	0.258076714	1.94763E-05
	MHD	0.04499	0.01589	0.003	0.002035	0.0124151	9.821E-05	160.25985	1229.1806	8.5293121	0.013383	0.009658327	0.008772715	0.024689	0.158249654	0.006031915
Vendor	HHDT		0.014227	0.004391	0.001041	0.0121844	2.803E-07	416.15835	808.56485	0.0097865	0.116467	0.060839451	4.01385E-08	0.067036	0.129038357	9.73817E-06
	MHD		0.007945	0.0015	0.001018	0.0062075	4.911E-05	80.129924	614.5903	4.2646561	0.006691	0.004829164	0.004386358	0.012344	0.079124827	0.003015958
		0.04499	0.022172	0.005891	0.002059	0.0183919	4.939E-05	496.28827	1423.1552	4.2744426	0.123158	0.065668615	0.004386398	0.07938	0.208163184	0.003025696
Worker	LDA		0.001254	0.001	0	0.000539	0.000878	0	122.54122	31.754603	0	0.001026569	0.03235985	0	0.002080964	0.014940319
	LDT1		0.000807	0.0005	0	0.0004435	0.0006661	0	81.34419	21.494004	0	0.001555571	0.026204278	0	0.002343639	0.009623613
	LDT2		0.000776	0.0005	0	0.0003065	0.0004845	0	84.129497	21.596069	0	0.000704556	0.020482149	0	0.001504103	0.009197602
		0.04499	0.002837	0.002	0	0.001289	0.0020286	0	288.01491	74.844675	0	0.003286696	0.079046277	0	0.005928705	0.033761535

Category		Mix %	Adj	ROG_DIURN	ROG_HTSK	ROG_IDLEX	ROG_RESTL	ROG_RUNEX	ROG_RUNLS	ROG_STREX
Hauling	HHDT	100.0	1	0.000161301	4.7964E-05	0.32711902	0	0.0177996	0.00043204	4.20633E-07
	MHD	0.0	0	0.023118162	0.005603296	0.025250869	0	0.03248334	0.04529114	0.045776126
Vendor	HHDT	50.0	0.5	8.06503E-05	2.3982E-05	0.16355951	0	0.0088998	0.00021602	2.10316E-07
	MHD	50.0	0.5	0.011559081	0.002801648	0.012625434	0	0.01624167	0.02264557	0.022888063
			1	0.011639731	0.00282563	0.176184944	0	0.02514147	0.02286159	0.022888273
Worker	LDA	50.0	0.5	0.132316144	0.038798622	0	0	0.00347076	0.09896031	0.136662954
	LDT1	25.0	0.25	0.140646011	0.03898451	0	0	0.0061396	0.10983229	0.123932987
	LDT2	25.0	0.25	0.070892203	0.019532741	0	0	0.00252234	0.05275079	0.088626233
			1	0.343854358	0.097315873	0	0	0.01213271	0.26154339	0.349222174

Category		NOX_IDLEX	NOX_RUNEX	NOX_STREX	CO_IDLEX	CO_RUNEX	CO_STREX	SO2_IDLEX	SO2_RUNEX	SO2_STREX	Road Dust PM10	PM10_PM BW	PM10_PM TW
Hauling	HHDT	3.9652113	1.774057666	2.751173324	5.17629	0.75653561	0.000685	0.00709894	0.014348163	1.69191E-07		0.081222	0.035128
	MHD	0.8479275	1.006394097	1.403484797	0.668176	0.29693932	1.000247	0.00147206	0.011511702	8.11155E-05	0.299	0.04526	0.012
Vendor	HHDT	1.9826057	0.887028833	1.375586662	2.588145	0.3782678	0.000342	0.00354947	0.007174082	8.45956E-08		0.040611	0.017564
	MHD	0.4239638	0.503197049	0.701742398	0.334088	0.14846966	0.500124	0.00073603	0.005755851	4.05577E-05		0.02263	0.006
		2.4065694	1.390225882	2.07732906	2.922233	0.52673746	0.500466	0.0042855	0.012929933	4.06423E-05	0.299	0.063241	0.023564
Worker	LDA	0	0.01669164	0.109258161	0	0.303302	1.355747	0	0.00117474	0.000305136		0.003568	0.004
	LDT1	0	0.028671908	0.089369531	0	0.32677673	1.213816	0	0.00078885	0.000207607		0.002305	0.002
	LDT2	0	0.01535685	0.07730776	0	0.19535521	0.854482	0	0.000809611	0.000207623		0.002215	0.002
		0	0.060720398	0.275935452	0	0.82543394	3.424044	0	0.002773201	0.000720366	0.299	0.008088	0.008

Category		PM10_IDL EX	PM10_RU NEX	PM10_STREX	Road Dust PM25	PM25_PM BW	PM25_PM TW	PM25_IDL EX	PM25_RUN EX	PM25_STR EX
Category								19	22	23
Hauling	HHDT	0.002097	0.025031	5.20395E-07		0.028428	0.008782	0.002	0.0239449	4.785E-07
	MHD	0.001762	0.011186	0.000100932	0.04499	0.015841	0.003	0.001685	0.0106942	9.28E-05
Vendor	HHDT	0.001048	0.012516	2.60198E-07		0.014214	0.004391	0.001	0.0119725	2.392E-07
	MHD	0.000881	0.005593	5.04658E-05		0.00792	0.0015	0.000843	0.0053471	4.64E-05
		0.001929	0.018109	5.0726E-05	0.04499	0.022134	0.005891	0.001842	0.0173196	4.664E-05
Worker	LDA	0	0.00056	0.000924606		0.001249	0.001	0	0.0005155	0.0008501
	LDT1	0	0.000453	0.000687493		0.000807	0.0005	0	0.0004172	0.0006321
	LDT2	0	0.000323	0.000515217		0.000775	0.0005	0	0.0002971	0.0004737
		0	0.001336	0.002127316	0.04499	0.002831	0.002	0	0.0012299	0.001956

Category		CO2_NBIO _IDLEX	CO2_NBIO _RUNEX	CO2_NBIO _STREX	CH4_IDLE X	CH4_RUNEX	CH4_STREX	N2O_IDLEX	N2O_RUNEX	N2O_STREX
Category		8	9	10						
Hauling	HHDT	813.97326	1586.8336	0.0171142	0.229861	0.117132109	7.74759E-08	0.131219	0.253304032	1.42154E-05
	MHD	158.59304	1213.6546	8.2050726	0.013842	0.0095355	0.008314196	0.024457	0.156018341	0.005858252
Vendor	HHDT	406.98663	793.41681	0.0085571	0.114931	0.058566054	3.87379E-08	0.06561	0.126652016	7.10769E-06
	MHD	79.296518	606.82729	4.1025363	0.006921	0.00476775	0.004157098	0.012228	0.078009171	0.002929126
		486.28315	1400.2441	4.1110934	0.121851	0.063333805	0.004157137	0.077838	0.204661187	0.002936234
Worker	LDA	0	118.83714	30.865404	0	0.000920346	0.030308682	0	0.001942295	0.014436598
	LDT1	0	79.795329	21.000067	0	0.001394323	0.02448908	0	0.002156838	0.009323014
	LDT2	0	81.905889	21.001723	0	0.000648121	0.019328106	0	0.001411832	0.008875809
		0	280.53836	72.867194	0	0.00296279	0.074125868	0	0.005510966	0.032635421

		Mix %	Adj	ROG_DIURN	ROG_HTSK	ROG_IDLEX	ROG_RESTL	ROG_RUNEX	ROG_RUNLS	ROG_STREX	NOX_IDLEX	NOX_RUNEX	NOX_STREX
Category													
Hauling	HHDT	100.0	1	0.000106002	3.36143E-05	0.32445582	0	0.01701891	0.00030273	4.06848E-07	3.8490822	1.701647234	2.760133946
	MHD	0.0	0	0.021312827	0.005105771	0.024261021	0	0.02766184	0.04201809	0.043042965	0.8019976	0.906228922	1.39169173
Vendor	HHDT	50.0	0.5	5.30008E-05	1.68071E-05	0.16222791	0	0.00850945	0.00015136	2.03424E-07	1.9245411	0.850823617	1.380066973
	MHD	50.0	0.5	0.010656414	0.002552885	0.01213051	0	0.01383092	0.02100905	0.021521482	0.4009988	0.453114461	0.695845865
			1	0.010709414	0.002569693	0.17435842	0	0.02234037	0.02116041	0.021521686	2.3255399	1.303938078	2.075912838
Worker	LDA	50.0	0.5	0.127252154	0.036844958	0	0	0.00310372	0.09549445	0.127128959	0	0.015187697	0.103974769
	LDT1	25.0	0.25	0.132430724	0.036894584	0	0	0.00546911	0.10347702	0.114577624	0	0.025800958	0.084390428
	LDT2	25.0	0.25	0.069772888	0.018822709	0	0	0.00230806	0.05209969	0.083130872	0	0.014000924	0.073061014
			1	0.329455766	0.09256225	0	0	0.01088088	0.25107116	0.324837454	0	0.054989579	0.261426211

		CO_IDLEX	CO_RUNEX	CO_STREX	SO2_IDLEX	SO2_RUNEX	SO2_STREX	Road Dust PM10	PM10_PM BW	PM10_PM TW	PM10_IDLEX	PM10_RUNEX	PM10_STREX
Category													
Hauling	HHDT	5.153655	0.73309991	0.000738	0.00692351	0.014049606	1.33736E-07		0.081458	0.035132	0.002013	0.024769	3.29375E-07
	MHD	0.664762	0.2571492	0.934813	0.00145189	0.011343734	7.82441E-05	0.299	0.045088	0.012	0.001445	0.009635	9.6335E-05
Vendor	HHDT	2.576828	0.36654996	0.000369	0.00346176	0.007024803	6.6868E-08		0.040729	0.017566	0.001006	0.012385	1.64687E-07
	MHD	0.332381	0.1285746	0.467407	0.00072595	0.005671867	3.9122E-05		0.022544	0.006	0.000723	0.004818	4.81675E-05
		2.909209	0.49512456	0.467775	0.0041877	0.01269667	3.91889E-05	0.299	0.063273	0.023566	0.001729	0.017202	4.83322E-05
Worker	LDA	0	0.28653909	1.277031	0	0.001145495	0.000297052		0.003561	0.004	0	0.000536	0.000895416
	LDT1	0	0.30194947	1.128878	0	0.000773719	0.000202829		0.002303	0.002	0	0.000427	0.000653661
	LDT2	0	0.185495	0.809666	0	0.000789304	0.000202147		0.002214	0.002	0	0.000311	0.000500467
		0	0.77398356	3.215575	0	0.002708517	0.000702029	0.299	0.008078	0.008	0	0.001273	0.002049544

		Road Dust PM25	PM25_PM BW	PM25_PM TW	PM25_IDLEX	PM25_RUNEX	PM25_STREX	CO2_NBIO_IDLEX	CO2_NBIO_RUNEX	CO2_NBIO_STREX	CH4_IDLEX	CH4_RUNEX	CH4_STREX	N2O_IDLEX	N2O_RUNEX	N2O_STREX
Category					19	22	23	8	9	10						
Hauling	HHDT		0.02851	0.008783	0.001919	0.0236943	3.028E-07	795.66994	1554.9734	0.0135278	0.224309	0.111846137	7.49827E-08	0.128346	0.248265947	8.0417E-06
	MHD	0.04499	0.015781	0.003	0.001382	0.0092102	8.858E-05	156.6958	1196.5286	7.914622	0.014329	0.009524548	0.007918504	0.024186	0.153578352	0.005689167
Vendor	HHDT		0.014255	0.004391	0.00096	0.0118471	1.514E-07	397.83497	777.4867	0.0067639	0.112154	0.055923068	3.74914E-08	0.064173	0.124132973	4.02085E-06
	MHD		0.00789	0.0015	0.000691	0.0046051	4.429E-05	78.3479	598.26431	3.957311	0.007164	0.004762274	0.003959252	0.012093	0.076789176	0.002844583
		0.04499	0.022146	0.005891	0.001651	0.0164522	4.444E-05	476.18287	1375.751	3.9640749	0.119319	0.060685342	0.003959289	0.076266	0.200922149	0.002848604
Worker	LDA		0.001246	0.001	0	0.000493	0.0008233	0	115.87797	30.047725	0	0.000837586	0.028479341	0	0.001838924	0.013991495
	LDT1		0.000806	0.0005	0	0.0003926	0.000601	0	78.26465	20.516787	0	0.00125256	0.022898387	0	0.0019927	0.009041201
	LDT2		0.000775	0.0005	0	0.000286	0.0004602	0	79.851497	20.44778	0	0.000600438	0.018292607	0	0.001335689	0.008608075
		0.04499	0.002827	0.002	0	0.0011716	0.0018845	0	273.99411	71.012292	0	0.002690584	0.069670334	0	0.005167313	0.031640771

		Mix %	Adj	ROG_DIURN	ROG_HTSK	ROG_IDLEX	ROG_RESTL	ROG_RUNEX	ROG_RUNLS	ROG_STREX	NOX_IDLEX	NOX_RUNEX	NOX_STREX
Category													
Hauling	HHDT	100.0	1	9.1592E-05	2.90398E-05	0.321590124	0	0.01628701	0.00026147	3.72501E-07	3.7343071	1.633848814	2.745433901
	MHD	0.0	0	0.019771494	0.004666468	0.023376294	0	0.02362674	0.03865491	0.040569481	0.7577071	0.814699228	1.371110948
Vendor	HHDT	50.0	0.5	4.5796E-05	1.45199E-05	0.160795062	0	0.00814351	0.00013074	1.8625E-07	1.8671535	0.816924407	1.372716951
	MHD	50.0	0.5	0.009885747	0.002333234	0.011688147	0	0.01181337	0.01932745	0.020284741	0.3788536	0.407349614	0.685555474
			1	0.009931543	0.002347754	0.172483209	0	0.01995688	0.01945819	0.020284927	2.2460071	1.224274021	2.058272425
Worker	LDA	50.0	0.5	0.124774953	0.035332579	0	0	0.00280128	0.09381266	0.118752298	0	0.013978935	0.099494609
	LDT1	25.0	0.25	0.127182533	0.034919795	0	0	0.0048531	0.09837243	0.106039612	0	0.02313956	0.079887107
	LDT2	25.0	0.25	0.068511887	0.018162188	0	0	0.00212373	0.05123426	0.078241944	0	0.012836987	0.069477589
			1	0.320469373	0.088414562	0	0	0.00977811	0.24341934	0.303033854	0	0.049955482	0.248859306

		Mix %	Adj	CO_IDLEX	CO_RUNEX	CO_STREX	SO2_IDLEX	SO2_RUNEX	SO2_STREX	Road Dust PM10	PM10_PM BW	PM10_PM TW	PM10_IDLEX	PM10_RUNEX	PM10_STREX
Category															
Hauling	HHDT	100.0	1	5.124778	0.70877415	0.000782	0.0067481	0.013717513	1.259E-07		0.081782	0.035135	0.001939	0.024473	2.86377E-07
	MHD	0.0	0	0.659814	0.22479796	0.875978	0.00142742	0.011138512	7.55078E-05	0.299	0.044837	0.012	0.001186	0.008315	9.25129E-05
Vendor	HHDT	50.0	0.5	2.562389	0.35438708	0.000391	0.00337405	0.006858757	6.29501E-08		0.040891	0.017568	0.00097	0.012236	1.43188E-07
	MHD	50.0	0.5	0.329907	0.11239898	0.437989	0.00071371	0.005569256	3.77539E-05		0.022418	0.006	0.000593	0.004157	4.62565E-05
			1	2.892296	0.46678606	0.43838	0.00408776	0.012428013	3.78169E-05	0.299	0.063309	0.023568	0.001563	0.016394	4.63996E-05
Worker	LDA	50.0	0.5	0	0.27239886	1.207995	0	0.001118612	0.000289607		0.003554	0.004	0	0.000508	0.000861352
	LDT1	25.0	0.25	0	0.27893124	1.050819	0	0.000758744	0.000198227		0.002299	0.002	0	0.000394	0.000618991
	LDT2	25.0	0.25	0	0.17725445	0.771154	0	0.000770701	0.000197139		0.002213	0.002	0	0.000296	0.000481527
			1	0	0.72858455	3.029968	0	0.002648057	0.000684974	0.299	0.008067	0.008	0	0.001198	0.00196187

		Mix %	Adj	Road Dust PM25	PM25_PM BW	PM25_PM TW	PM25_IDLEX	PM25_RUNEX	PM25_STREX	CO2_NBIO_IDLEX	CO2_NBIO_RUNEX	CO2_NBIO_STREX	CH4_IDLEX	CH4_RUNEX	CH4_STREX	N2O_IDLEX	N2O_RUNEX	N2O_STREX
Category							19	22	23	8	9	10						
Hauling	HHDT	100.0	1		0.028624	0.008784	0.001849	0.0234108	2.633E-07	777.08947	1519.2636	0.0127352	0.218219	0.10604745	6.86812E-08	0.125416	0.242608661	7.35107E-06
	MHD	0.0	0	0.04499	0.015693	0.003	0.001134	0.0079473	8.506E-05	154.3221	1175.4531	7.6378398	0.014761	0.009545333	0.00755705	0.02384	0.150701674	0.005522907
Vendor	HHDT	50.0	0.5		0.014312	0.004392	0.000924	0.0117054	1.317E-07	388.54474	759.63181	0.0063676	0.10911	0.053023725	3.43406E-08	0.062708	0.121304331	3.67553E-06
	MHD	50.0	0.5		0.007846	0.0015	0.000567	0.0039736	4.253E-05	77.161049	587.72653	3.8189199	0.007381	0.004772667	0.003778525	0.01192	0.075350837	0.002761454
			1	0.04499	0.022158	0.005892	0.001491	0.0156791	4.266E-05	465.70578	1347.3583	3.8252875	0.11649	0.057796392	0.00377856	0.074628	0.196655167	0.002765129
Worker	LDA	50.0	0.5		0.001244	0.001	0	0.0004677	0.000792	0	113.15781	29.294583	0	0.000769144	0.026851221	0	0.001754911	0.01360376
	LDT1	25.0	0.25		0.000805	0.0005	0	0.0003623	0.0005691	0	76.749467	20.051285	0	0.001123286	0.021436306	0	0.001841323	0.008783877
	LDT2	25.0	0.25		0.000775	0.0005	0	0.0002722	0.0004427	0	77.969563	19.94124	0	0.000559632	0.017367339	0	0.001270118	0.008386223
			1	0.04499	0.002823	0.002	0	0.0011022	0.0018039	0	267.87684	69.287108	0	0.002452062	0.065654866	0	0.004866352	0.030773861

CalEEMod EMFAC2021 Emission Factors Input													Year	2028
Season	EmissionType	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
A	CH4_IDLEX	0	0	0	0	0.004681	0.002686	0.015111	0.212115634	0.007562	0	0	0.080095	0
A	CH4_RUNEX	0.001425	0.004052	0.002099	0.002443	0.005182	0.005094	0.009558	0.100129934	0.010383	0.534009843	0.148032	0.089223	0.007858
A	CH4_STREX	0.05078	0.0804	0.066131	0.073205	0.01851	0.00972	0.007218	6.02384E-08	0.014744	0.002447775	0.164333	0.005139	0.023908
A	CO_IDLEX	0	0	0	0	0.188693	0.137463	0.652204	5.089184403	0.545964	0	0	1.787728	0
A	CO_RUNEX	0.521134	1.036877	0.681545	0.719023	0.66017	0.430262	0.198131	0.682268113	0.337547	6.308197017	11.46379	0.781582	0.63572
A	CO_STREX	2.294229	3.923757	2.949988	3.040087	2.13812	1.139056	0.820911	0.000817522	1.616531	0.549940604	7.875637	0.676529	2.082199
A	CO2_NBIO_IDLEX	0	0	0	0	8.174906	13.47489	151.3137	757.8199397	89.65996	0	0	186.3421	0
A	CO2_NBIO_RUNEX	221.3548	301.1336	305.0199	364.8907	709.2157	756.5887	1148.112	1479.563001	1295.864	1056.22719	186.1355	980.422	1664.507
A	CO2_NBIO_STREX	57.20211	78.42266	77.90605	92.48552	16.7174	8.919443	7.360999	0.009926653	13.09844	3.05444779	44.44114	3.906108	20.83311
A	NOX_IDLEX	0	0	0	0	0.040228	0.080872	0.713496	3.622538357	0.349967	0	0	1.180191	0
A	NOX_RUNEX	0.026023	0.083105	0.047401	0.058663	0.401317	0.595736	0.73076	1.566149473	0.873039	0.292637904	0.525696	1.9184	1.356761
A	NOX_STREX	0.191361	0.30277	0.265884	0.301311	0.362492	0.195812	1.328267	2.706913868	0.97934	0.026113624	0.112461	0.514906	0.298385
A	PM10_IDLEX	0	0	0	0	0.000681	0.001436	0.000973	0.00186378	0.000355	0	0	0.000929	0
A	PM10_PMBW	0.007097	0.009182	0.008848	0.008917	0.076058	0.088784	0.044461	0.081989135	0.050018	0.126376132	0.012	0.044367	0.044942
A	PM10_PMTW	0.008	0.008	0.008	0.008	0.009393	0.010621	0.012	0.03513875	0.012	0.044658837	0.004	0.01049	0.013305
A	PM10_RUNEX	0.000955	0.001465	0.001116	0.001103	0.01052	0.018516	0.007191	0.024126657	0.013796	0.005534317	0.001975	0.010136	0.025215
A	PM10_STREX	0.001644	0.002339	0.001836	0.001791	0.000161	6.74E-05	8.91E-05	1.63816E-07	0.000124	1.26121E-05	0.003451	4.44E-05	0.000255
A	PM25_IDLEX	0	0	0	0	0.000652	0.001373	0.00093	0.001776496	0.00034	0	0	0.000888	0
A	PM25_PMBW	0.002484	0.003214	0.003097	0.003121	0.02662	0.031075	0.015561	0.028696197	0.017506	0.044231646	0.0042	0.015528	0.01573
A	PM25_PMTW	0.002	0.002	0.002	0.002	0.002348	0.002655	0.003	0.008784687	0.003	0.011164709	0.001	0.002623	0.003326
A	PM25_RUNEX	0.000878	0.001347	0.001027	0.001016	0.010031	0.0177	0.006872	0.023079587	0.01319	0.005290933	0.001844	0.009681	0.024084
A	PM25_STREX	0.001511	0.002151	0.001688	0.001647	0.000148	6.19E-05	8.2E-05	1.50623E-07	0.000114	1.15963E-05	0.003234	4.08E-05	0.000235
A	ROG_DIURN	0.242811	0.502428	0.266297	0.30328	0.104161	0.055259	0.018086	5.52258E-05	0.073045	0.00693921	3.814128	0.035978	24.71437
A	ROG_HTSK	0.067372	0.134098	0.069588	0.076727	0.024934	0.012938	0.004224	1.75002E-05	0.015209	0.001959156	3.558397	0.00854	6.123699
A	ROG_IDLEX	0	0	0	0	0.019017	0.014284	0.022534	0.318402382	0.040376	0	0	0.194779	0
A	ROG_RESTL	0	0	0	0	0	0	0	0	0	0	0	0	0
A	ROG_RUNEX	0.005105	0.01734	0.007865	0.009722	0.061058	0.092017	0.020251	0.01554384	0.036618	0.058866401	0.934888	0.046117	0.060107
A	ROG_RUNLS	0.182649	0.386011	0.19915	0.228657	0.147249	0.074801	0.035188	0.00015738	0.081255	0.007860127	3.787612	0.023629	0.148659
A	ROG_STREX	0.222658	0.3933	0.29546	0.346297	0.089878	0.04658	0.038301	3.26616E-07	0.078288	0.008216344	1.195378	0.029135	0.095976
A	SO2_IDLEX	0	0	0	0	7.95E-05	0.000129	0.001397	0.006567944	0.000846	0	0	0.001686	0
A	SO2_RUNEX	0.002188	0.002977	0.003015	0.003605	0.006923	0.007282	0.010874	0.013349969	0.012337	0.008501298	0.00184	0.009103	0.01631
A	SO2_STREX	0.000566	0.000775	0.00077	0.000914	0.000165	8.82E-05	7.28E-05	9.81351E-08	0.000129	3.01963E-05	0.000439	3.86E-05	0.000206
A	TOG_DIURN	0.242811	0.502428	0.266297	0.30328	0.104161	0.055259	0.018086	5.52258E-05	0.073045	0.00693921	0.083947	0.035978	24.71437
A	TOG_HTSK	0.067372	0.134098	0.069588	0.076727	0.024934	0.012938	0.004224	1.75002E-05	0.015209	0.001959156	3.558397	0.00854	6.123699
A	TOG_IDLEX	0	0	0	0	0.026882	0.019052	0.040694	0.560790581	0.05335	0	0	0.317855	0
A	TOG_RESTL	0	0	0	0	0	0	0	0	0	0	0	0	0
A	TOG_RUNEX	0.007441	0.0253	0.011462	0.014148	0.074104	0.106171	0.032495	0.117637308	0.051922	0.600927917	1.139755	0.142539	0.076332
A	TOG_RUNLS	0.182649	0.386011	0.19915	0.228657	0.147249	0.074801	0.035188	0.00015738	0.081255	0.007860127	3.787612	0.023629	0.148659
A	TOG_STREX	0.243783	0.430614	0.323492	0.379151	0.098405	0.050999	0.041934	3.57604E-07	0.085716	0.008995862	1.300164	0.031899	0.105082
A	N2O_IDLEX	0	0	0	0	0.000612	0.00168	0.023392	0.122368779	0.013015	0	0	0.024273	0
A	N2O_RUNEX	0.003373	0.006829	0.004856	0.006027	0.037739	0.077781	0.147053	0.236311345	0.15401	0.163214312	0.037627	0.118964	0.068662
A	N2O_STREX	0.026528	0.034164	0.032804	0.033699	0.030759	0.016258	0.005252	5.68332E-06	0.012713	0.004641839	0.006825	0.004687	0.032748

CalEEMod EMFAC2021 Fleet Mix Input

Year 2028

FleetMixLandUseSubType	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.52001	0.03719	0.236196	0.13294	0.023827	0.006005	0.009578	0.007718	0.001064	0.000403	0.022009	0.000684	0.002378
City Park	0.52001	0.03719	0.236196	0.13294	0.023827	0.006005	0.009578	0.007718	0.001064	0.000403	0.022009	0.000684	0.002378
Condo/Townhouse	0.52001	0.03719	0.236196	0.13294	0.023827	0.006005	0.009578	0.007718	0.001064	0.000403	0.022009	0.000684	0.002378
Enclosed Parking Structur	0.52001	0.03719	0.236196	0.13294	0.023827	0.006005	0.009578	0.007718	0.001064	0.000403	0.022009	0.000684	0.002378
Enclosed Parking with Ele	0.52001	0.03719	0.236196	0.13294	0.023827	0.006005	0.009578	0.007718	0.001064	0.000403	0.022009	0.000684	0.002378
Regional Shopping Center	0.52001	0.03719	0.236196	0.13294	0.023827	0.006005	0.009578	0.007718	0.001064	0.000403	0.022009	0.000684	0.002378

Adjustment Factors

Vehicle Category	Fuel	Population	Pop Fract	VMT (miles/day)	VMT Fract	Trips/day	Trip Fract
HHDT	GAS	1.47083478	1.00695E-05	154.3030105	0.000139	29.42846227	0.000201
HHDT	DSL	9119.07892	0.062430493	1024317.446	0.9224592	134474.3376	0.92063
HHDT	ELEC	270.954005	0.001854989	28275.15131	0.0254635	3483.700255	0.02385
HHDT	NG	909.88698	0.006229214	57673.44076	0.0519384	8080.239508	0.055318
		10301.3907		1110420.341		146067.7059	
LDA	GAS	600154.656	0.186257289	21978504.63	0.8513095	2786673.046	0.864841
LDA	DSL	1207.84831	0.000374854	34499.51948	0.0013363	5156.172328	0.0016
LDA	ELEC	69984.6371	0.021719649	2868125.206	0.1110932	336272.3496	0.104362
LDA	PIH	22751.9262	0.007061033	936162.085	0.036261	94079.21473	0.029197
		694099.068		25817291.44		3222180.783	
LDT1	GAS	49081.0099	0.222026803	1563538.266	0.9851178	218519.1405	0.988511
LDT1	DSL	3.3764189	1.52738E-05	51.57305301	3.249E-05	9.619959751	4.35E-05
LDT1	ELEC	344.716748	0.001559388	14328.80602	0.009028	1657.810379	0.007499
LDT1	PIH	210.972342	0.000954371	9240.009417	0.0058217	872.3706358	0.003946
		49640.0754		1587158.654		221058.9414	
LDT2	GAS	306289.622	0.208431557	10804407.3	0.9704242	1428230.323	0.971918
LDT2	DSL	1124.63424	0.000765319	40163.41313	0.0036074	5296.189892	0.003604
LDT2	ELEC	3966.16594	0.002698995	128586.5393	0.0115493	19886.52116	0.013533
LDT2	PIH	3889.79971	0.002647027	160537.4754	0.0144191	16084.32179	0.010945
		315270.222		11133694.73		1469497.356	
LHDT1	GAS	19758.1764	0.04416775	736964.0424	0.6019816	294367.389	0.658034
LHDT1	DSL	11024.6905	0.024644773	426298.0601	0.3482173	138676.7372	0.31
LHDT1	ELEC	1021.23389	0.002282883	60968.04446	0.0498011	14299.84153	0.031966
		31804.1008	0.071095406	1224230.147		447343.9677	
LHDT2	GAS	2498.39068	0.024172457	89760.81805	0.2961146	37222.29854	0.360134
LHDT2	DSL	5257.64994	0.050868872	198606.7634	0.6551897	66134.62211	0.639866
LHDT2	ELEC	258.907678	0.002504986	14761.07055	0.0486957	3434.170837	0.033226
		8014.9483	0.077546315	303128.652		103356.9206	
MCY	GAS	29377.6579	0.022009355	168474.0032	1	58755.31584	1
MDV	GAS	168553.508	0.204794072	5803821.565	0.9493799	781481.4355	0.949507
MDV	DSL	2426.78477	0.002948566	81862.86931	0.013391	11233.79404	0.013649
MDV	ELEC	4086.68444	0.004965359	132418.1639	0.0216608	20489.54692	0.024895
MDV	PIH	2378.28799	0.002889642	95173.33521	0.0155683	9834.220847	0.011949
		177445.265		6113275.934		823038.9973	
MH	GAS	2135.932	6.727432719	20452.38386	0.6736353	213.6786372	0.673012
MH	DSL	1038.17217	3.269876308	9908.829938	0.3263647	103.8172172	0.326988
		3174.10417		30361.2138		317.4958545	
MHDT	GAS	1401.23397	0.008532925	72189.24736	0.1356928	28035.8892	0.170727
MHDT	DSL	10803.0783	0.065786202	430729.4798	0.8096342	129114.2453	0.786251
MHDT	ELEC	455.754173	0.002775351	23641.623	0.0444387	5888.878929	0.035861
MHDT	NG	123.907996	0.000754548	5444.709533	0.0102343	1175.943642	0.007161
		12783.9744		532005.0597		164214.9571	
OBUS	GAS	397.114471	0.021387874	16622.09352	0.2036011	7945.466334	0.427929
OBUS	DSL	1000.42102	0.053880885	63426.65321	0.776902	10301.54556	0.554823
OBUS	ELEC	11.1861302	0.000602465	887.4727094	0.0108705	223.8120932	0.012054
OBUS	NG	10.8367987	0.000583651	704.2664166	0.0086264	96.44750857	0.005194
		1419.55842		81640.48586		18567.2715	
SBUS	GAS	192.609486	0.017296637	9426.490292	0.3669994	770.4379438	0.069187
SBUS	DSL	672.407102	0.060383222	14961.93086	0.5825094	9736.454837	0.874349
SBUS	ELEC	19.5694243	0.001757365	629.4361187	0.0245057	226.2445637	0.020317
SBUS	NG	27.798612	0.002496359	667.4476259	0.0259856	402.5239015	0.036147
		912.384624		25685.3049		11135.66125	
UBUS	GAS	46.6273084	0.021676301	4869.278876	0.0818022	186.5092335	0.086705
UBUS	DSL	397.790659	0.184926606	44197.61875	0.742505	1591.162635	0.739706
UBUS	ELEC	30.092586	0.118928481	3155.026467	0.4320129	120.3703441	0.475714
UBUS	NG	63.2577367	0.029407525	7303.083978	0.1226893	253.0309468	0.11763
		537.76829		59525.00807		2151.07316	

Source: EMFAC2021 (v1.0.2) Emission Rates
Region Type: County
Region: Santa Clara
Calendar Year: 2024
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HOTSOAK and RUNLOSS, g/vehicle/day for IDLEX and DIURN. PHEV calculated based on total VMT.

Region	Calendar Y	Vehicle Cat	Model Yea	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips	NOx_RUNE	NOx_IDLEX	NOx_STRE	PM2.5_RU	PM2.5_IDL	PM2.5_STF
Santa Clara	2024	HHDT	Aggregate	Aggregate	Gasoline	2.588708	115.1526	115.1526	0	51.79487	7.013725	0	1.695629	0.003612	0	0.001433
Santa Clara	2024	HHDT	Aggregate	Aggregate	Diesel	8486.693	1001095	1001095	0	124748.4	1.894567	62.32042	2.898867	0.025674	0.03017	0
Santa Clara	2024	HHDT	Aggregate	Aggregate	Electricity	28.33039	2794.261	0	2794.261	378.7946	0	0	0	0	0	0
Santa Clara	2024	HHDT	Aggregate	Aggregate	Natural Ga	794.401	54591.27	54591.27	0	7249.717	1.128254	13.55515	0	0.001724	0.024776	0
Santa Clara	2024	LDA	Aggregate	Aggregate	Gasoline	600108.2	22290344	22290344	0	2786617	0.042281	0	0.257993	0.001177	0	0.001931
Santa Clara	2024	LDA	Aggregate	Aggregate	Diesel	1750.024	51573.48	51573.48	0	7442.61	0.213181	0	0	0.016747	0	0
Santa Clara	2024	LDA	Aggregate	Aggregate	Electricity	57627.4	2472767	0	2472767	282733	0	0	0	0	0	0
Santa Clara	2024	LDA	Aggregate	Aggregate	Plug-in Hyb	17457.1	767059.2	381568.7	385490.5	72185.1	0.003264	0	0.11551	0.000618	0	0.00207
Santa Clara	2024	LDT1	Aggregate	Aggregate	Gasoline	52693.37	1706864	1706864	0	234793.4	0.128357	0	0.381294	0.001737	0	0.002678
Santa Clara	2024	LDT1	Aggregate	Aggregate	Diesel	23.46233	343.9308	343.9308	0	66.44459	1.651932	0	0	0.239373	0	0
Santa Clara	2024	LDT1	Aggregate	Aggregate	Electricity	211.0028	8008.646	0	8008.646	994.4346	0	0	0	0	0	0
Santa Clara	2024	LDT1	Aggregate	Aggregate	Plug-in Hyb	67.64578	3164.46	1414.302	1750.158	279.7153	0.002933	0	0.11551	0.000367	0	0.001381
Santa Clara	2024	LDT2	Aggregate	Aggregate	Gasoline	285585.4	10322758	10322758	0	1336438	0.069091	0	0.334237	0.001227	0	0.001959
Santa Clara	2024	LDT2	Aggregate	Aggregate	Diesel	1015.453	37944.26	37944.26	0	4835.434	0.041515	0	0	0.004813	0	0
Santa Clara	2024	LDT2	Aggregate	Aggregate	Electricity	1597.567	55532.59	0	55532.59	8150.927	0	0	0	0	0	0
Santa Clara	2024	LDT2	Aggregate	Aggregate	Plug-in Hyb	2116.58	94757.71	44376.61	50381.09	8752.056	0.003073	0	0.11551	0.000467	0	0.001672
Santa Clara	2024	LHDT1	Aggregate	Aggregate	Gasoline	19314.14	722529.3	722529.3	0	287751.9	0.17374	0.036221	0.636996	0.001534	0	0.000302
Santa Clara	2024	LHDT1	Aggregate	Aggregate	Diesel	10107.74	398004.1	398004.1	0	127142.6	1.563015	1.92168	0	0.035058	0.026804	0
Santa Clara	2024	LHDT1	Aggregate	Aggregate	Electricity	70.82836	5110.544	0	5110.544	989.4273	0	0	0	0	0	0
Santa Clara	2024	LHDT2	Aggregate	Aggregate	Gasoline	2506.906	91452.57	91452.57	0	37349.16	0.16518	0.035604	0.621534	0.00139	0	0.000239
Santa Clara	2024	LHDT2	Aggregate	Aggregate	Diesel	4663.455	183558.4	183558.4	0	58660.4	1.266102	1.895403	0	0.032055	0.027	0
Santa Clara	2024	LHDT2	Aggregate	Aggregate	Electricity	18.33259	1253.286	0	1253.286	242.668	0	0	0	0	0	0
Santa Clara	2024	MCY	Aggregate	Aggregate	Gasoline	28171.51	166022.3	166022.3	0	56343.02	0.571344	0	0.135477	0.001779	0	0.003248
Santa Clara	2024	MDV	Aggregate	Aggregate	Gasoline	156642.4	5468054	5468054	0	726101.1	0.101279	0	0.42828	0.001229	0	0.002042
Santa Clara	2024	MDV	Aggregate	Aggregate	Diesel	2400.615	86292.69	86292.69	0	11318.82	0.048844	0	0	0.004909	0	0
Santa Clara	2024	MDV	Aggregate	Aggregate	Electricity	1678.684	58660.63	0	58660.63	8578.496	0	0	0	0	0	0
Santa Clara	2024	MDV	Aggregate	Aggregate	Plug-in Hyb	1250.857	52904.03	25301.52	27602.51	5172.294	0.003138	0	0.11551	0.000561	0	0.001962
Santa Clara	2024	MH	Aggregate	Aggregate	Gasoline	2420.57	22012.3	22012.3	0	242.1538	0.420938	0	0.419963	0.001679	0	0.000404
Santa Clara	2024	MH	Aggregate	Aggregate	Diesel	977.3606	9498.302	9498.302	0	97.73606	4.117169	0	0	0.091772	0	0
Santa Clara	2024	MHDT	Aggregate	Aggregate	Gasoline	1414.552	71600.35	71600.35	0	28302.35	0.470752	0.088485	0.440963	0.001362	0	0.000533
Santa Clara	2024	MHDT	Aggregate	Aggregate	Diesel	10390.53	434043.6	434043.6	0	123939	1.232824	13.11952	1.642732	0.014397	0.029902	0
Santa Clara	2024	MHDT	Aggregate	Aggregate	Electricity	30.91601	1660.353	0	1660.353	407.4536	0	0	0	0	0	0
Santa Clara	2024	MHDT	Aggregate	Aggregate	Natural Ga	90.59449	4303.581	4303.581	0	827.6228	0.133415	6.499719	0	0.001179	0.018131	0
Santa Clara	2024	OBUS	Aggregate	Aggregate	Gasoline	443.1467	19894.31	19894.31	0	8866.48	0.49672	0.06506	0.408547	0.000907	0	0.000252
Santa Clara	2024	OBUS	Aggregate	Aggregate	Diesel	893.1376	61949.05	61949.05	0	9141.625	1.178643	7.363387	1.543157	0.019849	0.008167	0
Santa Clara	2024	OBUS	Aggregate	Aggregate	Electricity	1.087481	92.50105	0	92.50105	21.75833	0	0	0	0	0	0
Santa Clara	2024	OBUS	Aggregate	Aggregate	Natural Ga	7.05737	469.3876	469.3876	0	62.81059	0.190585	1.537414	0	0.00106	0.003899	0
Santa Clara	2024	SBUS	Aggregate	Aggregate	Gasoline	172.6948	8584.866	8584.866	0	690.7791	0.50288	0.925939	0.716801	0.000864	0	0.000567
Santa Clara	2024	SBUS	Aggregate	Aggregate	Diesel	670.5958	15345.26	15345.26	0	9710.228	3.821388	21.87689	0.482851	0.019766	0.019703	0
Santa Clara	2024	SBUS	Aggregate	Aggregate	Electricity	2.064666	64.35501	0	64.35501	23.64639	0	0	0	0	0	0
Santa Clara	2024	SBUS	Aggregate	Aggregate	Natural Ga	24.3995	612.0941	612.0941	0	353.3048	0.567729	5.270895	0	0.003378	0.011357	0
Santa Clara	2024	UBUS	Aggregate	Aggregate	Gasoline	46.08313	4812.451	4812.451	0	184.3325	0.027483	0	0.457232	0.001143	0	0.000128
Santa Clara	2024	UBUS	Aggregate	Aggregate	Diesel	437.4745	48917.61	48917.61	0	1749.898	0.386257	0	0	0.007023	0	0
Santa Clara	2024	UBUS	Aggregate	Aggregate	Electricity	5.347565	235.0626	0	235.0626	21.39026	0	0	0	0	0	0
Santa Clara	2024	UBUS	Aggregate	Aggregate	Natural Ga	42.58696	4865.187	4865.187	0	170.3478	0.058788	0	0	0.000282	0	0

Vehicle Cat	Fuel	PM2.5_PM	PM2.5_PM	PM10_RUN	PM10_IDLE	PM10_STR	PM10_PM	PM10_PM	CO2_RUNE	CO2_IDLEX	CO2_STRE	CH4_RUNE	CH4_IDLEX	CH4_STRE	N2O_RUNE	N2O_IDLE	N2O_STRE	ROG_RUNE
HHDT	Gasoline	0.005	0.03384	0.003929	0	0.001559	0.02	0.096686	2166.164	0	50.04419	0.246012	0	0.000205	0.192927	0	0.049797	1.47824
HHDT	Diesel	0.00877	0.027454	0.026835	0.031534	0	0.035082	0.07844	1634.1	11997.01	0	0.000777	0.23663	0	0.257453	1.890134	0	0.016732
HHDT	Electricity	0.008585	0.014055	0	0	0	0.034341	0.040158	0	0	0	0	0	0	0	0	0	0
HHDT	Natural Ga	0.009	0.047521	0.001875	0.026946	0	0.036	0.135775	1387.534	10583.64	0	2.344742	36.30276	0	0.282858	2.157544	0	0.050833
LDA	Gasoline	0.002	0.002656	0.00128	0	0.0021	0.008	0.007587	275.9552	0	70.08069	0.002338	0	0.072036	0.004672	0	0.033228	0.008937
LDA	Diesel	0.002	0.002706	0.017504	0	0	0.008	0.00773	232.3976	0	0	0.001289	0	0	0.036614	0	0	0.027749
LDA	Electricity	0.002	0.001533	0	0	0	0.008	0.00438	0	0	0	0	0	0	0	0	0	0
LDA	Plug-in Hyb	0.002	0.001377	0.000672	0	0.002252	0.008	0.003935	138.86	0	65.1247	0.000444	0	0.04244	0.000587	0	0.020762	0.001412
LDT1	Gasoline	0.002	0.00324	0.001889	0	0.002913	0.008	0.009258	327.2571	0	86.38434	0.006261	0	0.105365	0.009424	0	0.03869	0.027741
LDT1	Diesel	0.002	0.003724	0.250196	0	0	0.008	0.01064	415.3002	0	0	0.013862	0	0	0.065431	0	0	0.298448
LDT1	Electricity	0.002	0.001539	0	0	0	0.008	0.004397	0	0	0	0	0	0	0	0	0	0
LDT1	Plug-in Hyb	0.002	0.001389	0.0004	0	0.001502	0.008	0.003967	124.8456	0	69.31208	0.000397	0	0.042219	0.000522	0	0.020556	0.001268
LDT2	Gasoline	0.002	0.003127	0.001334	0	0.00213	0.008	0.008936	340.3247	0	87.29427	0.002864	0	0.082985	0.005943	0	0.037254	0.011242
LDT2	Diesel	0.002	0.003113	0.005031	0	0	0.008	0.008895	307.1615	0	0	0.000609	0	0	0.048393	0	0	0.013105
LDT2	Electricity	0.002	0.001526	0	0	0	0.008	0.004359	0	0	0	0	0	0	0	0	0	0
LDT2	Plug-in Hyb	0.002	0.001383	0.000508	0	0.001819	0.008	0.003953	130.7877	0	75.60584	0.000416	0	0.042233	0.000547	0	0.020569	0.001329
LHDT1	Gasoline	0.002	0.0273	0.001668	0	0.000328	0.008	0.078	871.4559	119.0993	25.78022	0.008358	0.112945	0.032997	0.009778	0.002977	0.050968	0.041718
LHDT1	Diesel	0.003	0.0273	0.036643	0.028016	0	0.012	0.078	631.4008	131.1503	0	0.008006	0.005098	0	0.099477	0.020663	0	0.172364
LHDT1	Electricity	0.002	0.01365	0	0	0	0.008	0.039	0	0	0	0	0	0	0	0	0	0
LHDT2	Gasoline	0.002	0.03185	0.001512	0	0.000259	0.008	0.091	980.0361	137.5922	25.51292	0.006183	0.111453	0.031983	0.009819	0.00291	0.049384	0.028613
LHDT2	Diesel	0.003	0.03185	0.033504	0.028221	0	0.012	0.091	756.8682	209.5618	0	0.007406	0.005098	0	0.119245	0.033017	0	0.159439
LHDT2	Electricity	0.002	0.015925	0	0	0	0.008	0.0455	0	0	0	0	0	0	0	0	0	0
MCY	Gasoline	0.001	0.0042	0.001902	0	0.003456	0.004	0.012	187.743	0	48.37697	0.162609	0	0.181972	0.039558	0	0.00802	1.062175
MDV	Gasoline	0.002	0.003184	0.001336	0	0.002221	0.008	0.009096	412.8049	0	106.2216	0.003873	0	0.10186	0.007628	0	0.040967	0.01626
MDV	Diesel	0.002	0.003206	0.005131	0	0	0.008	0.009159	405.6621	0	0	0.00051	0	0	0.063912	0	0	0.010978
MDV	Electricity	0.002	0.001525	0	0	0	0.008	0.004358	0	0	0	0	0	0	0	0	0	0
MDV	Plug-in Hyb	0.002	0.001382	0.00061	0	0.002134	0.008	0.003948	133.5372	0	94.06379	0.000423	0	0.042047	0.000554	0	0.020395	0.001357
MH	Gasoline	0.003	0.015756	0.001826	0	0.000439	0.012	0.045017	1947.501	0	31.65056	0.015478	0	0.037539	0.025731	0	0.04407	0.06827
MH	Diesel	0.004	0.015675	0.095921	0	0	0.016	0.044785	1081.931	0	0	0.005558	0	0	0.170459	0	0	0.11965
MHDT	Gasoline	0.003	0.015756	0.001482	0	0.000579	0.012	0.045017	1768.687	531.8002	46.25227	0.015051	0.25808	0.047572	0.022913	0.00727	0.03271	0.074951
MHDT	Diesel	0.003	0.015941	0.015048	0.031254	0	0.012	0.045546	1147.309	2248.547	0	0.001507	0.01158	0	0.180759	0.35426	0	0.032455
MHDT	Electricity	0.003	0.007956	0	0	0	0.012	0.022732	0	0	0	0	0	0	0	0	0	0
MHDT	Natural Ga	0.003	0.016007	0.001282	0.019719	0	0.012	0.045734	984.6917	5301.101	0	0.74573	17.31409	0	0.200736	1.080664	0	0.010655
OBUS	Gasoline	0.003	0.01568	0.000987	0	0.000274	0.012	0.044799	1764.001	379.4143	31.61308	0.013757	0.195733	0.03606	0.024018	0.005304	0.031028	0.067076
OBUS	Diesel	0.003	0.018015	0.020746	0.008536	0	0.012	0.051472	1273.38	1538.564	0	0.001935	0.020479	0	0.200622	0.242401	0	0.04166
OBUS	Electricity	0.003	0.00784	0	0	0	0.012	0.022399	0	0	0	0	0	0	0	0	0	0
OBUS	Natural Ga	0.003	0.016148	0.001153	0.004241	0	0.012	0.046137	1004.237	1191.581	0	0.789796	4.236895	0	0.20472	0.242912	0	0.011285
SBUS	Gasoline	0.002	0.015721	0.000939	0	0.000616	0.008	0.044917	810.6064	2589.131	58.1367	0.011135	2.464862	0.074893	0.027101	0.086311	0.065929	0.054059
SBUS	Diesel	0.003	0.015721	0.02066	0.020594	0	0.012	0.044917	1144.18	2229	0	0.002665	0.008001	0	0.180266	0.35118	0	0.057376
SBUS	Electricity	0.002539	0.00786	0	0	0	0.010157	0.022459	0	0	0	0	0	0	0	0	0	0
SBUS	Natural Ga	0.003	0.015721	0.003674	0.012352	0	0.012	0.044917	1261.305	4066.736	0	3.436672	15.25665	0	0.257125	0.829031	0	0.049103
UBUS	Gasoline	0.002	0.03185	0.001243	0	0.00014	0.008	0.091	926.0836	0	36.94783	0.002034	0	0.043067	0.004288	0	0.071717	0.005634
UBUS	Diesel	0.0083	0.0385	0.00734	0	0	0.0332	0.11	1101.14	0	0	0.003215	0	0	0.173485	0	0	0.069208
UBUS	Electricity	0.00888	0.01925	0	0	0	0.03552	0.055	0	0	0	0	0	0	0	0	0	0
UBUS	Natural Ga	0.008183	0.0385	0.000295	0	0	0.032731	0.11	1299.206	0	0	4.246059	0	0	0.264852	0	0	0.060668

Vehicle Cat	Fuel	ROG_IDLE	ROG_STRE	ROG_HOTS	ROG_RUNL	ROG_DIUR	TOG_RUNE	TOG_IDLE	TOG_STRE	TOG_HOTS	TOG_RUNL	TOG_DIUR	NH3_RUNE	CO_RUNEX	CO_IDLEX	CO_STREX	SOx_RUNE	SOx_IDLEX	SOx_STREX
HHDT	Gasoline	0	0.001115	0.149022	1.34233	10.02547	2.157045	0	0.001221	0.149022	1.34233	10.02547	0.04274	52.51903	0	1.60109	0.021415	0	0.000495
HHDT	Diesel	5.094584	0	0	0	0	0.019048	5.799796	0	0	0	0	0.215084	0.082524	74.10576	0	0.015474	0.113605	0
HHDT	Electricity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HHDT	Natural Ga	0.550696	0	0	0	0	2.412728	37.08609	0	0	0	0	0.85184	13.40196	74.43135	0	0	0	0
LDA	Gasoline	0	0.328953	0.090491	0.230394	1.422636	0.013041	0	0.360162	0.090491	0.230394	1.422636	0.034712	0.737516	0	3.233068	0.002728	0	0.000693
LDA	Diesel	0	0	0	0	0	0.03159	0	0	0	0	0	0.0031	0.331109	0	0	0.002202	0	0
LDA	Electricity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDA	Plug-in Hyb	0	0.173285	0.041111	0.037292	0.447104	0.00206	0	0.189725	0.041111	0.037292	0.447104	0.019502	0.214853	0	1.339893	0.001373	0	0.000644
LDT1	Gasoline	0	0.539321	0.165332	0.472477	2.667158	0.040475	0	0.590488	0.165332	0.472477	2.667158	0.036079	1.427621	0	5.253053	0.003235	0	0.000854
LDT1	Diesel	0	0	0	0	0	0.339763	0	0	0	0	0	0.0031	1.593665	0	0	0.003935	0	0
LDT1	Electricity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDT1	Plug-in Hyb	0	0.173285	0.024153	0.020965	0.279628	0.001851	0	0.189725	0.024153	0.020965	0.279628	0.018771	0.19347	0	1.339893	0.001234	0	0.000685
LDT2	Gasoline	0	0.384216	0.081741	0.217688	1.368189	0.016404	0	0.420668	0.081741	0.217688	1.368189	0.036359	0.842122	0	3.673764	0.003364	0	0.000863
LDT2	Diesel	0	0	0	0	0	0.014919	0	0	0	0	0	0.0031	0.129976	0	0	0.002911	0	0
LDT2	Electricity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDT2	Plug-in Hyb	0	0.173285	0.025949	0.023686	0.309385	0.001939	0	0.189725	0.025949	0.023686	0.309385	0.019635	0.202568	0	1.339893	0.001293	0	0.000747
LHDT1	Gasoline	0.415023	0.163611	0.047402	0.263136	2.768514	0.060875	0.605601	0.179134	0.047402	0.263136	2.768514	0.044898	1.142278	3.756209	3.123927	0.008615	0.001177	0.000255
LHDT1	Diesel	0.10976	0	0	0	0	0.196225	0.124954	0	0	0	0	0.172781	0.473594	0.909745	0	0.005983	0.001243	0
LHDT1	Electricity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LHDT2	Gasoline	0.40822	0.157242	0.04419	0.238167	2.558385	0.041752	0.595674	0.17216	0.04419	0.238167	2.558385	0.044971	0.899209	3.762546	3.129931	0.009689	0.00136	0.000252
LHDT2	Diesel	0.10976	0	0	0	0	0.18151	0.124954	0	0	0	0	0.184132	0.411861	0.909745	0	0.007172	0.001986	0
LHDT2	Electricity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCY	Gasoline	0	1.345317	3.559276	3.75283	3.900294	1.276951	0	1.462608	3.559276	3.75283	3.900294	0.008808	12.6697	0	8.002987	0.001856	0	0.000478
MDV	Gasoline	0	0.508806	0.097051	0.275722	1.677059	0.023715	0	0.557077	0.097051	0.275722	1.677059	0.036179	0.972241	0	4.022964	0.004081	0	0.00105
MDV	Diesel	0	0	0	0	0	0.012498	0	0	0	0	0	0.0031	0.201538	0	0	0.003844	0	0
MDV	Electricity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MDV	Plug-in Hyb	0	0.173285	0.030318	0.026684	0.341695	0.00198	0	0.189725	0.030318	0.026684	0.341695	0.020087	0.206737	0	1.339893	0.00132	0	0.00093
MH	Gasoline	0	0.159123	12.21143	0.286769	4.596479	0.09962	0	0.174219	12.21143	0.286769	4.596479	0.044846	1.682224	0	3.497247	0.019253	0	0.000313
MH	Diesel	0	0	0	0	0	0.136214	0	0	0	0	0	0.155539	0.397281	0	0	0.010252	0	0
MHDT	Gasoline	1.01271	0.265405	0.033945	0.276365	2.798712	0.109368	1.477744	0.290585	0.033945	0.276365	2.798712	0.04498	1.56073	15.11634	5.825814	0.017485	0.005257	0.000457
MHDT	Diesel	0.249319	0	0	0	0	0.036947	0.283831	0	0	0	0	0.210532	0.120871	7.556027	0	0.010864	0.021292	0
MHDT	Electricity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MHDT	Natural Ga	0.247384	0	0	0	0	0.761072	17.6703	0	0	0	0	1.06	2.995842	34.7393	0	0	0	0
OBUS	Gasoline	0.746281	0.190964	0.033873	0.154922	2.818385	0.09787	1.088971	0.209081	0.033873	0.154922	2.818385	0.044969	1.491576	5.774637	4.000641	0.017439	0.003751	0.000313
OBUS	Diesel	0.440905	0	0	0	0	0.047427	0.501937	0	0	0	0	0.216021	0.150181	7.500483	0	0.012058	0.014569	0
OBUS	Electricity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OBUS	Natural Ga	0.060537	0	0	0	0	0.806045	4.324062	0	0	0	0	1.06	3.254325	7.353064	0	0	0	0
SBUS	Gasoline	10.63288	0.426367	0.113914	0.274691	1.686167	0.078883	15.51547	0.466819	0.113914	0.274691	1.686167	0.045	1.38705	82.18841	10.36621	0.008014	0.025596	0.000575
SBUS	Diesel	0.172257	0	0	0	0	0.065318	0.196101	0	0	0	0	0.148025	0.1775	4.677792	0	0.010835	0.021107	0
SBUS	Electricity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SBUS	Natural Ga	0.217987	0	0	0	0	3.507376	15.57053	0	0	0	0	1.06	11.64901	20.74693	0	0	0	0
UBUS	Gasoline	0	0.152979	0.038099	0.092116	0.456438	0.008221	0	0.167492	0.038099	0.092116	0.456438	0.045	0.581148	0	6.130495	0.009155	0	0.000365
UBUS	Diesel	0	0	0	0	0	0.078788	0	0	0	0	0	0.187908	0.079368	0	0	0.010434	0	0
UBUS	Electricity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UBUS	Natural Ga	0	0	0	0	0	4.333415	0	0	0	0	0	0.97	49.04786	0	0	0	0	0

Source: EMFAC2021 (v1.0.2) Emission Rates
Region Type: County
Region: Santa Clara
Calendar Year: 2025
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HOTSOAK and RUNLOSS, g/vehicle/day for IDLEX and DIURN. PHEV calculated based on total VMT.

Region	Calendar Y	Vehicle Cat	Model Yea	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips	NOx_RUNE	NOx_IDLEX	NOx_STRE	PM2.5_RU	PM2.5_IDL	PM2.5_STF	PM2.5_PM	PM2.5_PM	PM10_RUN	PM10_IDLE	PM10_STR	PM10_PM	PM10_PMI	CO2_RUNE	CO2_IDLEX	CO2_STRE	CH4_RUNE	CH4_IDLEX	CH4_STRE	N2O_RUNE	N2O_IDLE	N2O_STRE	ROG_RUNE	ROG_IDLE	ROG_STRE	ROG_HOTS	ROG_RUNL	ROG_DIUR	TOG_RUNE	TOG_IDLEX	TOG_STRE	TOG_HOTS	TOG_RUNL	TOG_DIUR	NH3_RUNE	CO_RUNEX	CO_IDLEX	CO_STREX	SOx_RUNE	SOx_IDLEX	SOx_STREX
Santa Clara	2025	HHDT	Aggregate	Aggregate	Gasoline	2.330359	124.9448	124.9448	0	46.62582	5.556909	0	1.379041	0.003103	0	0.001399	0.005	0.033068	0.003375	0	0.001521	0.02	0.09448	2106.229	0	50.03138	0.207413	0	0.000226	0.167059	0	0.041557	1.222197	0	0.00123	0.140217	1.263022	9.434649	1.783427	0	0.001346	0.140217	1.263022	9.434649	0.043157	47.7242	0	2.001616	0.020822	0	0.000495
Santa Clara	2025	HHDT	Aggregate	Aggregate	Diesel	8692.575	1008964	1008964	0	127877.1	1.825194	60.91449	2.931995	0.025335	0.028938	0	0.008772	0.027421	0.02648	0.030247	0	0.035088	0.078345	1608.776	11755.34	0	0.00075	0.235891	0	0.253463	1.852058	0	0.016139	5.078674	0	0	0	0	0.018373	5.781684	0	0	0	0	0.215507	0.078083	74.00904	0	0.015234	0.111316	0
Santa Clara	2025	HHDT	Aggregate	Aggregate	Electricity	63.3712	6579.675	0	6579.675	825.9972	0	0	0	0	0	0	0.008551	0.014281	0	0	0	0.034206	0.040802	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Santa Clara	2025	HHDT	Aggregate	Aggregate	Natural Ga	832.405	55779.38	55779.38	0	7555.504	1.049864	13.18492	0	0.00168	0.025258	0	0.009	0.048303	0.001827	0.02747	0	0.036	0.138007	1375.94	10529.31	0	2.235928	35.17609	0	0.280494	2.146469	0	0.047235	0.530122	0	0	0	0	2.299347	35.93114	0	0	0	0	0.843784	13.01274	74.75478	0	0	0	0
Santa Clara	2025	LDA	Aggregate	Aggregate	Gasoline	598860.3	22133915	22133915	0	2780384	0.038209	0	0.245539	0.001142	0	0.00188	0.002	0.002655	0.001242	0	0.002044	0.008	0.007587	270.1738	0	68.47346	0.002117	0	0.067825	0.004408	0	0.032293	0.007947	0	0.306311	0.087189	0.224301	1.384954	0.011596	0	0.335372	0.087189	0.224301	1.384954	0.035611	0.6952	0	3.049452	0.002671	0	0.000677
Santa Clara	2025	LDA	Aggregate	Aggregate	Diesel	1620.04	46912.85	46912.85	0	6871.193	0.18842	0	0	0.015236	0	0	0.002	0.002712	0.015925	0	0	0.008	0.007748	229.9477	0	0	0.001193	0	0	0.036228	0	0	0.025693	0	0	0	0	0	0.02925	0	0	0	0	0	0.0031	0.319914	0	0	0.002179	0	0
Santa Clara	2025	LDA	Aggregate	Aggregate	Electricity	61443.19	2670452	0	2670452	299852.7	0	0	0	0	0	0	0.002	0.001534	0	0	0	0.008	0.004382	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Santa Clara	2025	LDA	Aggregate	Aggregate	Plug-in Hyb	19037.66	825567.7	401013	424554.8	78720.74	0.003187	0	0.11551	0.000578	0	0.001985	0.002	0.001382	0.000629	0	0.002159	0.008	0.003948	135.5854	0	64.10836	0.000432	0	0.042249	0.000569	0	0.020584	0.001378	0	0.173285	0.041164	0.03735	0.440525	0.002011	0	0.189725	0.041164	0.03735	0.440525	0.019241	0.209757	0	1.339893	0.00134	0	0.000634
Santa Clara	2025	LDT1	Aggregate	Aggregate	Gasoline	51680.86	1664706	1664706	0	230186	0.115355	0	0.35972	0.001639	0	0.002543	0.002	0.003241	0.001782	0	0.002766	0.008	0.00926	321.489	0	84.45547	0.005621	0	0.098552	0.008687	0	0.037511	0.02471	0	0.498818	0.156963	0.442299	2.52236	0.036056	0	0.546143	0.156963	0.442299	2.52236	0.036453	1.317416	0	4.886115	0.003178	0	0.000835
Santa Clara	2025	LDT1	Aggregate	Aggregate	Diesel	21.28272	302.8258	302.8258	0	59.13231	1.64381	0	0	0.238169	0	0	0.002	0.00372	0.248938	0	0	0.008	0.010628	414.9442	0	0	0.013797	0	0	0.065375	0	0	0.297038	0	0	0	0	0	0.338158	0	0	0	0	0	0.0031	1.585068	0	0	0.003932	0	0
Santa Clara	2025	LDT1	Aggregate	Aggregate	Electricity	234.4578	9323.704	0	9323.704	1109.796	0	0	0	0	0	0	0.002	0.001537	0	0	0	0.008	0.004392	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Santa Clara	2025	LDT1	Aggregate	Aggregate	Plug-in Hyb	98.13198	4519.182	1961.286	2557.896	405.7758	0.002848	0	0.11551	0.000353	0	0.001365	0.002	0.001394	0.000383	0	0.001485	0.008	0.003982	121.222	0	67.75681	0.000383	0	0.041987	0.000501	0	0.020339	0.001231	0	0.173285	0.023895	0.020384	0.276746	0.001797	0	0.189725	0.023895	0.020384	0.276746	0.018228	0.187824	0	1.339893	0.001198	0	0.00067
Santa Clara	2025	LDT2	Aggregate	Aggregate	Gasoline	290874.7	10447706	10447706	0	1360241	0.06257	0	0.314364	0.001192	0	0.001919	0.002	0.00313	0.001296	0	0.002087	0.008	0.008944	332.1841	0	85.06833	0.002642	0	0.078494	0.005588	0	0.036037	0.010244	0	0.360071	0.079452	0.214938	1.349256	0.014949	0	0.394233	0.079452	0.214938	1.349256	0.03712	0.795621	0	3.47417	0.003284	0	0.000841
Santa Clara	2025	LDT2	Aggregate	Aggregate	Diesel	1049.952	38652.34	38652.34	0	4980.34	0.039332	0	0	0.004727	0	0	0.002	0.003123	0.004941	0	0	0.008	0.008921	301.0055	0	0	0.000603	0	0	0.047424	0	0	0.01298	0	0	0	0	0	0.014777	0	0	0	0	0	0.0031	0.129797	0	0	0.002852	0	0
Santa Clara	2025	LDT2	Aggregate	Aggregate	Electricity	2157.059	73663.77	0	73663.77	10962.38	0	0	0	0	0	0	0.002	0.001527	0	0	0	0.008	0.004362	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Santa Clara	2025	LDT2	Aggregate	Aggregate	Plug-in Hyb	2561.885	112327.2	51267.44	61059.78	10593.4	0.002995	0	0.11551	0.000438	0	0.00161	0.002	0.001388	0.000477	0	0.001751	0.008	0.003967	127.4509	0	74.14084	0.000403	0	0.041992	0.000528	0	0.020344	0.001295	0	0.173285	0.026071	0.023359	0.305362	0.00189	0	0.189725	0.026071	0.023359	0.305362	0.019143	0.197358	0	1.339893	0.00126	0	0.000733
Santa Clara	2025	LHDT1	Aggregate	Aggregate	Gasoline	19422.46	728337	728337	0	289365.8	0.152112	0.035118	0.61458	0.001478	0	0.000276	0.002	0.0273	0.001607	0	0.0003	0.008	0.078	855.4024	117.9783	25.70715	0.007214	0.110329	0.031611	0.008613	0.002941	0.049929	0.03557	0.40247	0.15588	0.044275	0.247775	2.616411	0.051904	0.587284	0.170669	0.044275	0.247775	2.616411	0.044934	1.05316	3.759094	3.16195	0.008457	0.001166	0.000254
Santa Clara	2025	LHDT1	Aggregate	Aggregate	Diesel	10387.1	408019.3	408019.3	0	130656.7	1.379237	1.823414	0	0.032347	0.026692	0	0.003	0.0273	0.03381	0.027899	0	0.012	0.078	628.07	129.5472	0	0.007468	0.005098	0	0.098953	0.02041	0	0.160779	0.10976	0	0	0	0	0.183036	0.124954	0	0	0	0	0.17898	0.435087	0.909745	0	0.005951	0.001228	0
Santa Clara	2025	LHDT1	Aggregate	Aggregate	Electricity	196.402	13079.06	0	13079.06	2746.629	0	0	0	0	0	0	0.002	0.01365	0	0	0	0.008	0.039	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Santa Clara	2025	LHDT2	Aggregate	Aggregate	Gasoline	2512.652	91345.05	91345.05	0	37434.78	0.146187	0.034452	0.600885	0.001346	0	0.00022	0.002	0.03185	0.001464	0	0.000239	0.008	0.091	964.5764	136.4471	25.31105	0.005467	0.108422	0.030581	0.008804	0.002854	0.048245	0.025115	0.395081	0.149459	0.041982	0.228581	2.471298	0.036648	0.576501	0.163639	0.041982	0.228581	2.471298	0.044974	0.850878	3.765161	3.139903	0.009536	0.001349	0.00025
Santa Clara	2025	LHDT2	Aggregate	Aggregate	Diesel	4837.236	188645	188645	0	60846.34	1.139289	1.802658	0	0.030296	0.027005	0	0.003	0.03185	0.031666	0.028226	0	0.012	0.091	750.3571	207.2396	0	0.007043	0.005098	0	0.118219	0.032651	0	0.151622	0.10976	0	0	0	0	0.172612	0.124954	0	0	0	0	0.188496	0.387904	0.909745	0	0.00711	0.001964	0
Santa Clara	2025	LHDT2	Aggregate	Aggregate	Electricity	50.46202	3193.251	0	3193.251	669.175	0	0	0	0	0	0	0.002	0.015925	0	0	0	0.008	0.0455	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Santa Clara	2025	MCY	Aggregate	Aggregate	Gasoline	28484.89	166414.5	166414.5	0	56969.79	0.557882	0	0.129146	0.001799	0	0.003253	0.001	0.0042	0.001925	0	0.003464	0.004	0.012	187.2679	0	47.30784	0.158292	0	0.177199	0.038984	0	0.007691	1.024683	0	1.305157	3.558651	3.760078	3.860886	1.236542	0	1.419098	3.558651	3.760078	3.860886	0.008851	12.31202	0	7.965438	0.001851	0	0.000468
Santa Clara	2025	MDV	Aggregate	Aggregate	Gasoline	159532.2	5551044	5551044	0	739781.4	0.087905	0	0.391886	0.001179	0	0.001962	0.002	0.003182	0.001282	0	0.002134	0.008	0.009091	402.7635	0	103.4378	0.003431	0	0.094137	0.006921	0	0.039073	0.014165	0	0.463643	0.092515	0.265086	1.620407	0.020668	0	0.50763	0.092515	0.265086	1.620407	0.036883	0.895922	0	3.753621	0.003982	0	0.001023
Santa Clara	2025	MDV	Aggregate	Aggregate	Diesel	2421.364	85326.8	85326.8	0	11351.14	0.044948	0	0	0.004686	0	0	0.002	0.003225	0.004898	0	0	0.008	0.009216	399.4952	0	0	0.000492	0	0	0.062941	0	0	0.010592	0	0	0	0	0	0.012058	0	0	0	0	0	0.0031	0.199936	0	0	0.003785	0	0
Santa Clara	2025	MDV	Aggregate	Aggregate	Electricity	2274.547	77934.96	0	77934.96	11571.06	0	0	0	0	0	0	0.002	0.001526	0	0	0	0.008	0.004361	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Santa Clara	2025	MDV	Aggregate	Aggregate	Plug-in Hyb	1542.366	64484.39	29833.21	34651.18	6377.683	0.003036	0	0.11551	0.000507	0	0.00183	0.002	0.001388	0.000551	0	0.00199	0.008	0.003965	129.1743	0	91.64114	0.000407	0	0.041816	0.00053	0	0.02018	0.001313	0	0.173285	0.02949	0.025333	0.327899	0.001916	0	0.189725	0.02949	0.025333	0.327899	0.019431	0.199968	0	1.339893	0.001277	0	0.000906
Santa Clara	2025	MH	Aggregate	Aggregate	Gasoline	2337.876	21506.19	21506.19	0	233.8812	0.37652	0	0.425905	0.001612	0	0.000388	0.003	0.015756	0.001753	0	0.000422	0.012	0.045017	1947.057	0	31.4529	0.013722	0	0.036945	0.023864	0	0.045303	0.059455	0	0.154277	11.38549	0.268831	4.357209	0.086757	0	0.168914	11.38549	0.268831	4.357209	0.044879	1.426924	0	3.382931	0.019249	0	0.000311
Santa Clara	2025	MH	Aggregate	Aggregate	Diesel	994.5437	9603.893	9603.893	0	99.45437	3.976372	0	0	0.086098	0	0	0.004	0.015675	0.08999	0	0	0.016	0.044785	1082.401	0	0	0.005421	0	0	0.170533	0	0	0.116701	0	0	0	0	0	0.132856	0	0	0	0	0	0.160635	0.385118	0	0	0.010256	0	0
Santa Clara	2025	MHDT	Aggregate	Aggregate	Gasoline	1412.263	72039.87	72039.87	0	28256.55	0.394798	0.086175	0.424333	0.001347	0	0.000513	0.003	0.015756	0.001465	0	0.000558	0.012	0.045017	1746.959	526.7233	45.37618	0.012585	0.261076	0.04598	0.019987	0.007219	0.032398	0.061949	1.015127	0.253154	0.030988	0.250472	2.558011	0.090397	1.481271	0.277172	0.030988	0.250472	2.558011	0.044991	1.276089	15.1444	5.531626	0.01727	0.005207	0.000449
Santa Clara	2025	MHDT	Aggregate	Aggregate	Diesel	10548.06	435100.6	435100.6	0	125915.2	1.128155	12.48973	1.646559	0.012461	0.024792	0	0.003	0.015941	0.013024	0.025912	0	0.012	0.045545	1141.328	2229.374	0	0.00131	0.010957	0	0.179817	0.351239	0	0.028195	0.235896	0	0	0	0	0.032098	0.268549	0	0	0	0	0.211891	0.109646	7.535393	0	0.010808	0.021111	0
Santa Clara	2025	MHDT	Aggregate	Aggregate	Electricity	90.80851	4838.906	0	4838.906	1182.343	0	0	0	0	0	0	0.003	0.007951	0	0	0	0.012	0.022718	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Santa Clara	2025	MHDT	Aggregate	Aggregate	Natural Ga	98.90628	4590.307	4590.307	0	911.9208	0.12435	6.45266	0	0.001226	0.018594	0	0.003	0.016009	0.001333	0.020223	0	0.012	0.045741	979.0142	5290.545	0	0.751438	16.97256	0	0.199578	1.078512	0	0.010737	0.242504	0	0	0	0	0.766898	17.32175	0	0	0	0	1.06	2.996166	35.80775	0	0	0	0
Santa Clara	2025	OBUS	Aggregate	Aggregate	Gasoline	430.7023	18962.49	18962.49	0	8617.491	0.460353	0.06398	0.405045	0.000939	0	0.000255	0.003	0.01568	0.001022	0	0.000278	0.012	0.044799	1744.286	377.0226	31.37018	0.012641	0.195762	0.035581	0.02242	0.005219	0.030806	0.061504	0.74652	0.188569	0.033827	0.158433	2.881145	0.089747	1.089321	0.206459	0.033827	0.158433	2.881145	0.04498	1.352776	5.776073	3.953891	0.017244	0.003727	0.00031
Santa Clara	2025	OBUS	Aggregate	Aggregate	Diesel	921.4116	62304.89	62304.89	0	9451.527	1.133246	7.151668	1.532624	0.018916	0.007596	0	0.003	0.018017	0.019772	0.007939	0	0.012	0.051478	1259.126	1532.11	0	0.001844	0.020685	0	0.198376	0.241385	0	0.039711	0.445333	0	0	0	0	0.045208	0.506978	0	0	0	0	0.216212	0.14449	7.587325	0	0.011923	0.014508	0
Santa Clara	2025	OBUS	Aggregate	Aggregate	Electricity	2.672031	221.771	0	221.771	53.46199	0	0	0	0	0	0	0.003	0.00784	0	0	0	0.012	0.022399	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Santa Clara	2025	OBUS	Aggregate	Aggregate	Natural Ga	8.125306	537.7468	537.7468	0	72.31523	0.164816	1.526623	0	0.001183	0.004157	0	0.003	0.016148	0.001287	0.004521	0	0.012	0.046137	987.912	1189.826	0	0.803903	4.103659	0	0.201392	0.242554	0	0.011486	0.058633	0	0	0	0	0.820442	4.188085	0	0	0	0	1.06	3.29233	7.933419	0	0	0	0
Santa Clara	2025	SBUS	Aggregate	Aggregate	Gasoline	178.2436	8812.851	8812.851	0	712.9742	0.487257	0.905562	0.722985	0.000866	0	0.000573	0.002	0.015721	0.000942	0	0.000623	0.008	0.044917	806.3455	2576.863	57.67146	0.010523	2.465929	0.074733	0.026439	0.084425	0.066434	0.051046	10.63602	0.42511	0.118631	0.292211	1.797789	0.074486	15.52005	0.465442	0.118631	0.292211	1.797789	0.045	1.308927	82.20747	10.20511	0.007972	0.025475	0.00057
Santa Clara	2025	SBUS	Aggregate	Aggregate	Diesel	673.2048	15283.75	15283.75	0	9748.005	3.614242	21.25646	0.496308	0.018677	0.018235	0	0.003	0.015721	0.019521	0.019059	0	0.012	0.044917	1139.829	2219.616	0	0.002583	0.007936	0	0.179581	0.349701	0	0.055601	0.170862	0	0	0	0	0.063298	0.194514	0	0	0	0	0.151888	0.17348	4.777291	0	0.010794	0.021018	0
Santa Clara	2025	SBUS	Aggregate	Aggregate	Electricity	4.481168	145.0761	0	145.0761	51.24766	0	0	0	0	0	0	0.002556	0.00786	0	0	0	0.010226	0.022459	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Santa Clara	2025	SBUS	Aggregate	Aggregate	Natural Ga	25.28439	627.586	627.586	0	366.118	0.5494	5.260001	0	0.003378	0.011617	0	0.003	0.015721	0.003674	0.012635	0	0.012	0.044917	1252.115	4074.049	0	3.386209	15.12215	0	0.255252	0.830522	0	0.048382	0.216066	0	0	0	0	3.455875	15.43326	0	0	0	0	1.06	11.41153	21.33281	0	0	0	0
Santa Clara	2025	UBUS	Aggregate	Aggregate	Gasoline	46.21918	4826.658	4826.658	0	184.8767	0.027276	0	0.449893	0.001143	0	0.000128	0.002	0.03185	0.001243	0	0.00014	0.008	0.091	925.8676	0	36.64281	0.001993	0	0.043054	0.004259	0	0.070843	0.005515	0	0.152699	0.04366	0.092112	0.471505	0.008047	0	0.167186	0.04366	0.092112	0.471505	0.045	0.586139	0	5.942314	0.009153	0	0.000362
Santa Clara	2025	UBUS	Aggregate	Aggregate	Diesel	405.3675	44987.37	44987.37	0	1621.47	0.382968	0	0	0.006962	0	0	0.008238	0.0385	0.007277	0	0	0.032951	0.11	1121.875	0	0	0.003193	0	0	0.176752	0	0	0.06875	0	0	0	0	0	0.078266	0	0	0	0	0	0.22	0.0787	0	0	0.01063	0	0
Santa Clara	2025	UBUS	Aggregate	Aggregate	Electricity	23.31202	2427.54	0	2427.54	93.24809	0	0	0	0	0	0	0.008977	0.01925	0	0	0	0.035907	0.055	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Santa Clara	2025	UBUS	Aggregate	Aggregate	Natural Ga	58.16247	6762.418	6762.418	0	232.6499	0.060506	0	0	0.000287	0	0	0.008408	0.0385	0.0003	0	0	0.033634	0.11	1317.877	0	0	4.320397	0	0	0.268658	0	0	0.06173	0	0	0	0	0	4.409282	0	0	0	0	0	0.97	50.3461	0	0	0	0	0

Source: EMFAC2021 (v1.0.2) Emission Rates
Region Type: County
Region: Santa Clara
Calendar Year: 2026
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HOTSOAK and RUNLOSS, g/vehicle/day for IDLEX and DIURN. PHEV calculated based on total VMT.

Region	Calendar Y	Vehicle Cat	Model Yea	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips	NOx_RUNE	NOx_IDLEX	NOx_STRE	PM2.5_RU	PM2.5_IDL	PM2.5_STF
Santa Clara	2026	HHDT	Aggregate	Aggregate	Gasoline	1.890208	133.7551	133.7551	0	37.81927	3.912832	0	0.833967	0.00242	0	0.001119
Santa Clara	2026	HHDT	Aggregate	Aggregate	Diesel	8867.795	1016012	1016012	0	130549	1.761105	59.43678	2.955473	0.025195	0.027767	0
Santa Clara	2026	HHDT	Aggregate	Aggregate	Electricity	110.5302	11535.57	0	11535.57	1443.078	0	0	0	0	0	0
Santa Clara	2026	HHDT	Aggregate	Aggregate	Natural Ga	863.4608	56635.39	56635.39	0	7769.707	0.976371	12.77067	0	0.001645	0.025604	0
Santa Clara	2026	LDA	Aggregate	Aggregate	Gasoline	598869.8	22031466	22031466	0	2780456	0.034968	0	0.23463	0.001102	0	0.001828
Santa Clara	2026	LDA	Aggregate	Aggregate	Diesel	1478.944	42434.32	42434.32	0	6277.405	0.163286	0	0	0.013397	0	0
Santa Clara	2026	LDA	Aggregate	Aggregate	Electricity	64495.24	2739705	0	2739705	312996.4	0	0	0	0	0	0
Santa Clara	2026	LDA	Aggregate	Aggregate	Plug-in Hyb	20380.43	866414.1	412496.8	453917.3	84273.1	0.003124	0	0.11551	0.000542	0	0.001902
Santa Clara	2026	LDT1	Aggregate	Aggregate	Gasoline	50750.47	1625960	1625960	0	225981.5	0.104002	0	0.340042	0.001548	0	0.002421
Santa Clara	2026	LDT1	Aggregate	Aggregate	Diesel	18.47771	256.5587	256.5587	0	50.46	1.626008	0	0	0.235786	0	0
Santa Clara	2026	LDT1	Aggregate	Aggregate	Electricity	263.5822	10628.88	0	10628.88	1254.204	0	0	0	0	0	0
Santa Clara	2026	LDT1	Aggregate	Aggregate	Plug-in Hyb	130.6819	5898.082	2516.052	3382.03	540.3696	0.002799	0	0.11551	0.000332	0	0.001311
Santa Clara	2026	LDT2	Aggregate	Aggregate	Gasoline	296178.9	10561285	10561285	0	1383934	0.057197	0	0.297788	0.00115	0	0.001868
Santa Clara	2026	LDT2	Aggregate	Aggregate	Diesel	1079.589	39200.14	39200.14	0	5104.36	0.037108	0	0	0.004598	0	0
Santa Clara	2026	LDT2	Aggregate	Aggregate	Electricity	2705.079	90693.22	0	90693.22	13682.37	0	0	0	0	0	0
Santa Clara	2026	LDT2	Aggregate	Aggregate	Plug-in Hyb	2986.353	127896.3	57308.29	70587.98	12348.57	0.00294	0	0.11551	0.000411	0	0.00154
Santa Clara	2026	LHDT1	Aggregate	Aggregate	Gasoline	19567.35	734252.9	734252.9	0	291524.3	0.134825	0.034078	0.592259	0.00144	0	0.000258
Santa Clara	2026	LHDT1	Aggregate	Aggregate	Diesel	10635.31	416619.3	416619.3	0	133778.8	1.219281	1.732484	0	0.030022	0.026603	0
Santa Clara	2026	LHDT1	Aggregate	Aggregate	Electricity	378.0593	23974.57	0	23974.57	5290.738	0	0	0	0	0	0
Santa Clara	2026	LHDT2	Aggregate	Aggregate	Gasoline	2513.651	91174.03	91174.03	0	37449.66	0.127191	0.033359	0.581518	0.001301	0	0.0002
Santa Clara	2026	LHDT2	Aggregate	Aggregate	Diesel	4995.258	193100.7	193100.7	0	62834.06	1.030069	1.717944	0	0.028773	0.027014	0
Santa Clara	2026	LHDT2	Aggregate	Aggregate	Electricity	96.38373	5822.064	0	5822.064	1278.565	0	0	0	0	0	0
Santa Clara	2026	MCY	Aggregate	Aggregate	Gasoline	28797.04	167092.5	167092.5	0	57594.08	0.54585	0	0.123182	0.001818	0	0.003256
Santa Clara	2026	MDV	Aggregate	Aggregate	Gasoline	162557.9	5631323	5631323	0	753924.4	0.077249	0	0.361249	0.00113	0	0.001888
Santa Clara	2026	MDV	Aggregate	Aggregate	Diesel	2430.299	84111.54	84111.54	0	11337.22	0.040802	0	0	0.004381	0	0
Santa Clara	2026	MDV	Aggregate	Aggregate	Electricity	2850.956	95858.35	0	95858.35	14435.41	0	0	0	0	0	0
Santa Clara	2026	MDV	Aggregate	Aggregate	Plug-in Hyb	1813.351	74577.72	33714.26	40863.46	7498.208	0.002966	0	0.11551	0.000463	0	0.001713
Santa Clara	2026	MH	Aggregate	Aggregate	Gasoline	2263.186	21108.38	21108.38	0	226.4092	0.335195	0	0.432131	0.001549	0	0.000374
Santa Clara	2026	MH	Aggregate	Aggregate	Diesel	1010.774	9718.417	9718.417	0	101.0774	3.846579	0	0	0.08072	0	0
Santa Clara	2026	MHDT	Aggregate	Aggregate	Gasoline	1410.726	72468.64	72468.64	0	28225.8	0.333028	0.083566	0.407845	0.001339	0	0.000499
Santa Clara	2026	MHDT	Aggregate	Aggregate	Diesel	10675.11	435455.4	435455.4	0	127504.2	1.02886	11.86253	1.644141	0.010796	0.020382	0
Santa Clara	2026	MHDT	Aggregate	Aggregate	Electricity	167.5841	8816.663	0	8816.663	2173.174	0	0	0	0	0	0
Santa Clara	2026	MHDT	Aggregate	Aggregate	Natural Ga	107.6314	4901.771	4901.771	0	1001.682	0.116472	6.407029	0	0.001266	0.018977	0
Santa Clara	2026	OBUS	Aggregate	Aggregate	Gasoline	419.1997	18162.11	18162.11	0	8387.348	0.418185	0.062602	0.399155	0.00097	0	0.000258
Santa Clara	2026	OBUS	Aggregate	Aggregate	Diesel	949.0452	62674.48	62674.48	0	9750.025	1.092349	6.912226	1.518478	0.018173	0.007147	0
Santa Clara	2026	OBUS	Aggregate	Aggregate	Electricity	4.484159	364.7881	0	364.7881	89.71906	0	0	0	0	0	0
Santa Clara	2026	OBUS	Aggregate	Aggregate	Natural Ga	9.101244	599.9791	599.9791	0	81.00107	0.145347	1.518344	0	0.001276	0.004354	0
Santa Clara	2026	SBUS	Aggregate	Aggregate	Gasoline	183.7933	9054.551	9054.551	0	735.1732	0.474165	0.887577	0.73371	0.000873	0	0.00058
Santa Clara	2026	SBUS	Aggregate	Aggregate	Diesel	674.9981	15210.89	15210.89	0	9773.973	3.406071	20.58167	0.509343	0.017715	0.016839	0
Santa Clara	2026	SBUS	Aggregate	Aggregate	Electricity	7.587222	244.2395	0	244.2395	87.39442	0	0	0	0	0	0
Santa Clara	2026	SBUS	Aggregate	Aggregate	Natural Ga	26.16468	642.5523	642.5523	0	378.8645	0.532059	5.249897	0	0.003378	0.011858	0
Santa Clara	2026	UBUS	Aggregate	Aggregate	Gasoline	46.35522	4840.865	4840.865	0	185.4209	0.026897	0	0.439741	0.001143	0	0.000128
Santa Clara	2026	UBUS	Aggregate	Aggregate	Diesel	396.77	44084.04	44084.04	0	1587.08	0.382074	0	0	0.006946	0	0
Santa Clara	2026	UBUS	Aggregate	Aggregate	Electricity	28.65959	2995.558	0	2995.558	114.6384	0	0	0	0	0	0
Santa Clara	2026	UBUS	Aggregate	Aggregate	Natural Ga	62.84535	7257.192	7257.192	0	251.3814	0.060787	0	0	0.000288	0	0

Vehicle Cat	Fuel	PM2.5_PM	PM2.5_PM	PM10_RUI	PM10_IDL	PM10_STR	PM10_PM	PM10_PM	CO2_RUNE	CO2_IDLEX	CO2_STRE	CH4_RUNE	CH4_IDLEX	CH4_STRE	N2O_RUNE	N2O_IDLE	N2O_STRE	ROG_RUNE	ROG_IDLE	ROG_STRE
HHDT	Gasoline	0.005	0.0327	0.002632	0	0.001218	0.02	0.093428	2030.337	0	50.00574	0.151681	0	0.000277	0.138602	0	0.029726	0.841165	0	0.001504
HHDT	Diesel	0.008774	0.027513	0.026334	0.029023	0	0.035095	0.07861	1583.151	11526.41	0	0.000725	0.23528	0	0.249426	1.815991	0	0.015602	5.065515	0
HHDT	Electricity	0.008558	0.014729	0	0	0	0.034232	0.042083	0	0	0	0	0	0	0	0	0	0	0	0
HHDT	Natural Ga	0.009	0.049192	0.001789	0.027847	0	0.036	0.140547	1365.074	10446.87	0	2.127999	33.90059	0	0.278279	2.129663	0	0.043949	0.508241	0
LDA	Gasoline	0.002	0.002655	0.001199	0	0.001988	0.008	0.007585	264.4729	0	66.90161	0.001934	0	0.063951	0.004196	0	0.031426	0.007138	0	0.285908
LDA	Diesel	0.002	0.002717	0.014003	0	0	0.008	0.007761	227.1102	0	0	0.001079	0	0	0.035781	0	0	0.023239	0	0
LDA	Electricity	0.002	0.001535	0	0	0	0.008	0.004385	0	0	0	0	0	0	0	0	0	0	0	0
LDA	Plug-in Hyb	0.002	0.001386	0.000589	0	0.002068	0.008	0.00396	132.8862	0	63.21249	0.000421	0	0.042044	0.000552	0	0.020392	0.001351	0	0.173285
LDT1	Gasoline	0.002	0.003241	0.001684	0	0.002633	0.008	0.009261	315.7925	0	82.57769	0.005058	0	0.092241	0.008041	0	0.036412	0.022051	0	0.461638
LDT1	Diesel	0.002	0.003714	0.246448	0	0	0.008	0.010612	413.9887	0	0	0.013655	0	0	0.065224	0	0	0.293995	0	0
LDT1	Electricity	0.002	0.001536	0	0	0	0.008	0.004388	0	0	0	0	0	0	0	0	0	0	0	0
LDT1	Plug-in Hyb	0.002	0.001397	0.000362	0	0.001426	0.008	0.003992	119.1447	0	66.70269	0.000375	0	0.041793	0.000489	0	0.020158	0.00121	0	0.173285
LDT2	Gasoline	0.002	0.003134	0.00125	0	0.002032	0.008	0.008953	324.5922	0	82.97969	0.002453	0	0.074444	0.005294	0	0.035027	0.009395	0	0.338458
LDT2	Diesel	0.002	0.00313	0.004806	0	0	0.008	0.008943	295.0188	0	0	0.000595	0	0	0.04648	0	0	0.012807	0	0
LDT2	Electricity	0.002	0.001528	0	0	0	0.008	0.004365	0	0	0	0	0	0	0	0	0	0	0	0
LDT2	Plug-in Hyb	0.002	0.001392	0.000447	0	0.001675	0.008	0.003978	125.1132	0	73.01955	0.000394	0	0.041776	0.000513	0	0.020142	0.001271	0	0.173285
LHDT1	Gasoline	0.002	0.0273	0.001567	0	0.00028	0.008	0.078	841.5517	116.9335	25.61185	0.00645	0.107779	0.030306	0.00767	0.002904	0.048837	0.03157	0.390607	0.14863
LHDT1	Diesel	0.003	0.0273	0.031379	0.027806	0	0.012	0.078	625.228	128.0664	0	0.006994	0.005098	0	0.098505	0.020177	0	0.150578	0.10976	0
LHDT1	Electricity	0.002	0.01365	0	0	0	0.008	0.039	0	0	0	0	0	0	0	0	0	0	0	0
LHDT2	Gasoline	0.002	0.03185	0.001415	0	0.000218	0.008	0.091	950.6797	135.3583	25.11699	0.00457	0.105616	0.029314	0.007823	0.002803	0.047205	0.020413	0.382638	0.142338
LHDT2	Diesel	0.003	0.03185	0.030074	0.028235	0	0.012	0.091	744.6842	205.1133	0	0.00672	0.005098	0	0.117325	0.032316	0	0.144681	0.10976	0
LHDT2	Electricity	0.002	0.015925	0	0	0	0.008	0.0455	0	0	0	0	0	0	0	0	0	0	0	0
MCY	Gasoline	0.001	0.0042	0.001945	0	0.00347	0.004	0.012	186.8446	0	46.30646	0.154451	0	0.172746	0.038475	0	0.007381	0.991178	0	1.267526
MDV	Gasoline	0.002	0.003182	0.001228	0	0.002053	0.008	0.00909	393.3359	0	100.833	0.003084	0	0.087398	0.006351	0	0.037495	0.012544	0	0.424623
MDV	Diesel	0.002	0.003241	0.004579	0	0	0.008	0.009261	393.1682	0	0	0.000469	0	0	0.061944	0	0	0.010103	0	0
MDV	Electricity	0.002	0.001528	0	0	0	0.008	0.004365	0	0	0	0	0	0	0	0	0	0	0	0
MDV	Plug-in Hyb	0.002	0.001392	0.000504	0	0.001863	0.008	0.003977	126.216	0	89.85239	0.000396	0	0.041612	0.000513	0	0.019989	0.001283	0	0.173285
MH	Gasoline	0.003	0.015756	0.001685	0	0.000406	0.012	0.045017	1946.632	0	31.26805	0.012049	0	0.036404	0.022132	0	0.046519	0.050974	0	0.149854
MH	Diesel	0.004	0.015675	0.084369	0	0	0.016	0.044785	1082.849	0	0	0.005293	0	0	0.170603	0	0	0.11395	0	0
MHDT	Gasoline	0.003	0.015756	0.001457	0	0.000542	0.012	0.045017	1727.179	521.8124	44.55752	0.010627	0.263675	0.044579	0.017598	0.007127	0.032029	0.051634	1.01721	0.242322
MHDT	Diesel	0.003	0.015941	0.011284	0.021304	0	0.012	0.045545	1134.952	2210.329	0	0.001134	0.010419	0	0.178812	0.348238	0	0.024422	0.224312	0
MHDT	Electricity	0.003	0.007951	0	0	0	0.012	0.022716	0	0	0	0	0	0	0	0	0	0	0	0
MHDT	Natural Ga	0.003	0.01601	0.001377	0.020639	0	0.012	0.045743	973.703	5277.958	0	0.755705	16.66564	0	0.198496	1.075946	0	0.010798	0.238119	0
OBUS	Gasoline	0.003	0.01568	0.001055	0	0.000281	0.012	0.044799	1724.911	374.6239	31.08783	0.011431	0.195819	0.035179	0.020728	0.005108	0.030453	0.055331	0.746751	0.186435
OBUS	Diesel	0.003	0.018049	0.018995	0.00747	0	0.012	0.05157	1245.043	1523.794	0	0.001766	0.020826	0	0.196157	0.240074	0	0.038011	0.448385	0
OBUS	Electricity	0.003	0.00784	0	0	0	0.012	0.022399	0	0	0	0	0	0	0	0	0	0	0	0
OBUS	Natural Ga	0.003	0.016148	0.001388	0.004735	0	0.012	0.046137	975.0003	1187.914	0	0.81456	4.001439	0	0.19876	0.242164	0	0.011638	0.057173	0
SBUS	Gasoline	0.002	0.015721	0.00095	0	0.000631	0.008	0.044917	802.4349	2565.528	57.27504	0.01005	2.4667	0.074539	0.025921	0.082658	0.067212	0.048718	10.63718	0.423572
SBUS	Diesel	0.003	0.015721	0.018516	0.017601	0	0.012	0.044917	1135.538	2209.663	0	0.002498	0.007888	0	0.178905	0.348133	0	0.053781	0.169828	0
SBUS	Electricity	0.002568	0.00786	0	0	0	0.01027	0.022459	0	0	0	0	0	0	0	0	0	0	0	0
SBUS	Natural Ga	0.003	0.015721	0.003674	0.012897	0	0.012	0.044917	1243.421	4080.833	0	3.338467	14.99739	0	0.25348	0.831904	0	0.0477	0.214283	0
UBUS	Gasoline	0.002	0.03185	0.001243	0	0.00014	0.008	0.091	925.6516	0	36.30949	0.001945	0	0.042807	0.004209	0	0.069602	0.005374	0	0.151507
UBUS	Diesel	0.008221	0.0385	0.00726	0	0	0.032883	0.11	1110.339	0	0	0.003187	0	0	0.174934	0	0	0.068625	0	0
UBUS	Electricity	0.008972	0.01925	0	0	0	0.035887	0.055	0	0	0	0	0	0	0	0	0	0	0	0
UBUS	Natural Ga	0.008445	0.0385	0.000301	0	0	0.033781	0.11	1320.935	0	0	4.332576	0	0	0.269281	0	0	0.061904	0	0

Vehicle Cat	Fuel	ROG_HOTS	ROG_RUNL	ROG_DIUR	TOG_RUNE	TOG_IDLE	TOG_STRE	TOG_HOTS	TOG_RUNL	TOG_DIUR	NH3_RUNE	CO_RUNEX	CO_IDLEX	CO_STREX	SOx_RUNE	SOx_IDLEX	SOx_STREX
HHDT	Gasoline	0.124256	1.119044	7.839877	1.227426	0	0.001647	0.124256	1.119044	7.839877	0.044272	33.21272	0	2.727013	0.020072	0	0.000494
HHDT	Diesel	0	0	0	0.017762	5.766703	0	0	0	0	0.215914	0.07407	73.94194	0	0.014991	0.109148	0
HHDT	Electricity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HHDT	Natural Ga	0	0	0	2.18721	34.62523	0	0	0	0	0.835034	12.62839	75.02016	0	0	0	0
LDA	Gasoline	0.083161	0.217573	1.338275	0.010415	0	0.313033	0.083161	0.217573	1.338275	0.036474	0.659308	0	2.884139	0.002615	0	0.000661
LDA	Diesel	0	0	0	0.026457	0	0	0	0	0	0.0031	0.307439	0	0	0.002152	0	0
LDA	Electricity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDA	Plug-in Hyb	0.040391	0.037456	0.436203	0.001971	0	0.189725	0.040391	0.037456	0.436203	0.019017	0.205558	0	1.339893	0.001314	0	0.000625
LDT1	Gasoline	0.148727	0.41724	2.377298	0.032177	0	0.505436	0.148727	0.41724	2.377298	0.036833	1.219346	0	4.549174	0.003122	0	0.000816
LDT1	Diesel	0	0	0	0.334693	0	0	0	0	0	0.0031	1.580267	0	0	0.003923	0	0
LDT1	Electricity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDT1	Plug-in Hyb	0.023415	0.020044	0.275174	0.001766	0	0.189725	0.023415	0.020044	0.275174	0.017917	0.184573	0	1.339893	0.001178	0	0.000659
LDT2	Gasoline	0.076755	0.212879	1.330363	0.013709	0	0.370569	0.076755	0.212879	1.330363	0.037798	0.757265	0	3.299571	0.003209	0	0.00082
LDT2	Diesel	0	0	0	0.01458	0	0	0	0	0	0.0031	0.12935	0	0	0.002795	0	0
LDT2	Electricity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDT2	Plug-in Hyb	0.025698	0.023308	0.30414	0.001855	0	0.189725	0.025698	0.023308	0.30414	0.018799	0.193694	0	1.339893	0.001237	0	0.000722
LHDT1	Gasoline	0.042429	0.244239	2.568634	0.046067	0.569973	0.162731	0.042429	0.244239	2.568634	0.044952	1.000325	3.761042	3.194844	0.00832	0.001156	0.000253
LHDT1	Diesel	0	0	0	0.171423	0.124954	0	0	0	0	0.184377	0.40172	0.909745	0	0.005924	0.001213	0
LHDT1	Electricity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LHDT2	Gasoline	0.039798	0.221425	2.401547	0.029786	0.558345	0.155842	0.039798	0.221425	2.401547	0.04499	0.781956	3.768092	3.147796	0.009398	0.001338	0.000248
LHDT2	Diesel	0	0	0	0.16471	0.124954	0	0	0	0	0.19232	0.367309	0.909745	0	0.007056	0.001944	0
LHDT2	Electricity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCY	Gasoline	3.558543	3.769688	3.854231	1.200425	0	1.378329	3.558543	3.769688	3.854231	0.008889	11.99329	0	7.931677	0.001847	0	0.000458
MDV	Gasoline	0.087977	0.255029	1.559913	0.018304	0	0.464909	0.087977	0.255029	1.559913	0.037518	0.838043	0	3.531694	0.003889	0	0.000997
MDV	Diesel	0	0	0	0.011502	0	0	0	0	0	0.0031	0.197458	0	0	0.003725	0	0
MDV	Electricity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MDV	Plug-in Hyb	0.029908	0.026996	0.337381	0.001872	0	0.189725	0.029908	0.026996	0.337381	0.018987	0.195367	0	1.339893	0.001248	0	0.000888
MH	Gasoline	10.64717	0.254614	4.131655	0.074381	0	0.164071	10.64717	0.254614	4.131655	0.044921	1.181993	0	3.275797	0.019244	0	0.000309
MH	Diesel	0	0	0	0.129725	0	0	0	0	0	0.16529	0.373655	0	0	0.010261	0	0
MHDT	Gasoline	0.028744	0.236552	2.400687	0.075345	1.48431	0.265312	0.028744	0.236552	2.400687	0.044997	1.050142	15.1686	5.262786	0.017075	0.005159	0.00044
MHDT	Diesel	0	0	0	0.027803	0.255363	0	0	0	0	0.213113	0.099563	7.520816	0	0.010747	0.02093	0
MHDT	Electricity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MHDT	Natural Ga	0	0	0	0.771252	17.00851	0	0	0	0	1.06	2.995274	36.69576	0	0	0	0
OBUS	Gasoline	0.035194	0.177337	3.200029	0.080739	1.089657	0.204123	0.035194	0.177337	3.200029	0.04499	1.215872	5.777453	3.882011	0.017053	0.003704	0.000307
OBUS	Diesel	0	0	0	0.043273	0.510453	0	0	0	0	0.216379	0.139488	7.649271	0	0.01179	0.014429	0
OBUS	Electricity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OBUS	Natural Ga	0	0	0	0.831318	4.083762	0	0	0	0	1.06	3.321042	8.378673	0	0	0	0
SBUS	Gasoline	0.1241	0.322638	1.96833	0.07109	15.52175	0.463758	0.1241	0.322638	1.96833	0.045	1.246814	82.21455	10.07789	0.007933	0.025363	0.000566
SBUS	Diesel	0	0	0	0.061225	0.193336	0	0	0	0	0.155771	0.169257	4.880858	0	0.010753	0.020924	0
SBUS	Electricity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SBUS	Natural Ga	0	0	0	3.407151	15.30593	0	0	0	0	1.06	11.18687	21.87624	0	0	0	0
UBUS	Gasoline	0.043604	0.092107	0.471119	0.007841	0	0.165881	0.043604	0.092107	0.471119	0.045	0.590355	0	5.738214	0.009151	0	0.000359
UBUS	Diesel	0	0	0	0.078125	0	0	0	0	0	0.22	0.078518	0	0	0.010521	0	0
UBUS	Electricity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UBUS	Natural Ga	0	0	0	4.421712	0	0	0	0	0	0.97	50.5588	0	0	0	0	0

Source: EMFAC2021 (v1.0.2) Emission Rates
Region Type: County
Region: Santa Clara
Calendar Year: 2027
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HOTSOAK and RUNLOSS, g/vehicle/day for IDLEX and DIURN. PHEV calculated based on total VMT.

Region	Calendar Y	Vehicle Cat	Model Yea	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips	NOx_RUNE	NOx_IDLEX	NOx_STRE	PM2.5_RU	PM2.5_IDL	PM2.5_STR	PM2.5_PM	PM2.5_PM	PM10_RUN	PM10_IDL	PM10_STR	PM10_PM	PM10_PM	CO2_RUNE	CO2_IDLEX	CO2_STRE	CH4_RUNE	CH4_IDLEX	CH4_STRE	N2O_RUNE	N2O_IDLE	N2O_STRE	ROG_RUNE	ROG_IDLE	ROG_STRE	ROG_HOTS	ROG_RUNL	ROG_DIUR	TOG_RUNE	TOG_IDLEX	TOG_STRE	TOG_HOTS	TOG_RUNL	TOG_DIUR	NH3_RUNE	CO_RUNEX	CO_IDLEX	CO_STREX	SOx_RUNE	SOx_IDLEX	SOx_STREX
Santa Clara	2027	HHDT	Aggregate	Aggregate	Gasoline	1.833105	147.0378	147.0378	0	36.67677	3.730042	0	0.773498	0.002199	0	0.001027	0.005	0.032692	0.002391	0	0.001117	0.02	0.093405	2000.505	0	49.66925	0.135639	0	0.000268	0.136273	0	0.02867	0.73131	0	0.001453	0.11326	1.019783	7.147336	1.067126	0	0.001591	0.11326	1.019783	7.147336	0.044505	30.82312	0	3.048179	0.019777	0	0.000491
Santa Clara	2027	HHDT	Aggregate	Aggregate	Diesel	9011.071	1021241	1021241	0	132754.8	1.704043	58.05742	2.958034	0.025062	0.026785	0	0.008776	0.027672	0.026195	0.027996	0	0.035105	0.079063	1556.123	11312.44	0	0.000701	0.234878	0	0.245168	1.782279	0	0.015102	5.056861	0	0	0	0	0.017193	5.756851	0	0	0	0	0.21628	0.070456	73.92424	0	0.014736	0.107122	0
Santa Clara	2027	HHDT	Aggregate	Aggregate	Electricity	177.8052	18594.17	0	18594.17	2312.242	0	0	0	0	0	0	0.008561	0.015051	0	0	0	0.034243	0.043002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Santa Clara	2027	HHDT	Aggregate	Aggregate	Natural Ga	889.1692	57261.81	57261.81	0	7941.659	0.907136	12.38898	0	0.001615	0.025966	0	0.009	0.049992	0.001756	0.028241	0	0.036	0.142836	1353.997	10371.37	0	2.019211	32.72582	0	0.276021	2.114271	0	0.040872	0.488388	0	0	0	0	2.07445	33.4228	0	0	0	0	0.827361	12.24575	75.28309	0	0	0	0
Santa Clara	2027	LDA	Aggregate	Aggregate	Gasoline	599340.5	21995339	21995339	0	2782742	0.032349	0	0.225312	0.001054	0	0.001765	0.002	0.002654	0.001146	0	0.001919	0.008	0.007584	259.1184	0	65.42707	0.001782	0	0.060463	0.004024	0	0.030664	0.006466	0	0.267784	0.080009	0.214602	1.316821	0.009435	0	0.29319	0.080009	0.214602	1.316821	0.037295	0.628802	0	2.737589	0.002562	0	0.000647
Santa Clara	2027	LDA	Aggregate	Aggregate	Diesel	1347.748	38343.79	38343.79	0	5721.586	0.140881	0	0	0.011715	0	0	0.002	0.00272	0.012244	0	0	0.008	0.007772	224.1557	0	0	0.000974	0	0	0.035316	0	0	0.020977	0	0	0	0	0	0.023881	0	0	0	0	0	0.0031	0.295578	0	0	0.002124	0	0
Santa Clara	2027	LDA	Aggregate	Aggregate	Electricity	67294.12	2805164	0	2805164	324882.8	0	0	0	0	0	0	0.002	0.001535	0	0	0	0.008	0.004387	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Santa Clara	2027	LDA	Aggregate	Aggregate	Plug-in Hyb	21617.53	903738.3	422627.3	481111	89388.5	0.003069	0	0.11551	0.000505	0	0.001811	0.002	0.001389	0.000549	0	0.00197	0.008	0.00397	130.5222	0	62.41184	0.000412	0	0.041864	0.000538	0	0.020225	0.001327	0	0.173285	0.041139	0.041737	0.463414	0.001936	0	0.189725	0.041139	0.041737	0.463414	0.018819	0.201885	0	1.339893	0.00129	0	0.000617
Santa Clara	2027	LDT1	Aggregate	Aggregate	Gasoline	49888.15	1593479	1593479	0	222126.9	0.093626	0	0.322281	0.001455	0	0.002295	0.002	0.003241	0.001582	0	0.002496	0.008	0.009259	310.2529	0	80.77512	0.004547	0	0.086445	0.007451	0	0.035413	0.019635	0	0.427723	0.140959	0.397237	2.286124	0.028652	0	0.468303	0.140959	0.397237	2.286124	0.037251	1.12869	0	4.23978	0.003067	0	0.000799
Santa Clara	2027	LDT1	Aggregate	Aggregate	Diesel	6.227876	90.54084	90.54084	0	17.39549	1.298199	0	0	0.195794	0	0	0.002	0.003665	0.204647	0	0	0.008	0.010473	393.7358	0	0	0.011321	0	0	0.062033	0	0	0.243739	0	0	0	0	0	0.27748	0	0	0	0	0	0.0031	1.74279	0	0	0.003731	0	0
Santa Clara	2027	LDT1	Aggregate	Aggregate	Electricity	300.4983	12309.71	0	12309.71	1437.605	0	0	0	0	0	0	0.002	0.001535	0	0	0	0.008	0.004385	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Santa Clara	2027	LDT1	Aggregate	Aggregate	Plug-in Hyb	168.315	7479.707	3153.075	4326.632	695.9826	0.002766	0	0.11551	0.000305	0	0.001223	0.002	0.0014	0.000332	0	0.00133	0.008	0.003999	117.7296	0	65.96672	0.000369	0	0.041651	0.00048	0	0.020025	0.001196	0	0.173285	0.023215	0.020021	0.275602	0.001745	0	0.189725	0.023215	0.020021	0.275602	0.017705	0.182352	0	1.339893	0.001164	0	0.000652
Santa Clara	2027	LDT2	Aggregate	Aggregate	Gasoline	301290.3	10685987	10685987	0	1406457	0.052589	0	0.283866	0.001098	0	0.001802	0.002	0.003137	0.001194	0	0.00196	0.008	0.008963	317.6853	0	81.08146	0.002292	0	0.07083	0.005044	0	0.034203	0.008665	0	0.319239	0.07425	0.209956	1.308636	0.012643	0	0.349526	0.07425	0.209956	1.308636	0.038412	0.725393	0	3.150133	0.003141	0	0.000802
Santa Clara	2027	LDT2	Aggregate	Aggregate	Diesel	1103.123	39708.7	39708.7	0	5205.703	0.033914	0	0	0.004292	0	0	0.002	0.003135	0.004487	0	0	0.008	0.008958	289.2202	0	0	0.000577	0	0	0.045567	0	0	0.012423	0	0	0	0	0	0.014142	0	0	0	0	0	0.0031	0.127877	0	0	0.002741	0	0
Santa Clara	2027	LDT2	Aggregate	Aggregate	Electricity	3306.06	108939.5	0	108939.5	16647.44	0	0	0	0	0	0	0.002	0.001529	0	0	0	0.008	0.004368	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Santa Clara	2027	LDT2	Aggregate	Aggregate	Plug-in Hyb	3429.213	144081.9	63603.3	80478.56	14179.8	0.002897	0	0.11551	0.000381	0	0.001453	0.002	0.001395	0.000414	0	0.001581	0.008	0.003987	123.2472	0	72.11439	0.000386	0	0.0416	0.000501	0	0.019977	0.001253	0	0.173285	0.025755	0.022981	0.300816	0.001828	0	0.189725	0.025755	0.022981	0.300816	0.018524	0.190769	0	1.339893	0.001218	0	0.000713
Santa Clara	2027	LHDT1	Aggregate	Aggregate	Gasoline	19670.43	736983.5	736983.5	0	293060.1	0.118942	0.033105	0.571033	0.001405	0	0.000239	0.002	0.0273	0.001528	0	0.00026	0.008	0.078	829.449	115.9534	25.51381	0.005601	0.105399	0.029155	0.00682	0.002869	0.047788	0.026962	0.379506	0.142236	0.03999	0.233145	2.457411	0.039343	0.553775	0.15573	0.03999	0.233145	2.457411	0.044981	0.93654	3.763109	3.224747	0.0082	0.001146	0.000252
Santa Clara	2027	LHDT1	Aggregate	Aggregate	Diesel	10848.44	422662.3	422662.3	0	136459.7	1.08439	1.64968	0	0.028062	0.026509	0	0.003	0.0273	0.029331	0.027708	0	0.012	0.078	622.7952	126.7206	0	0.006587	0.005098	0	0.098122	0.019965	0	0.141815	0.10976	0	0	0	0	0.161447	0.124954	0	0	0	0	0.188998	0.373722	0.909745	0	0.005901	0.001201	0
Santa Clara	2027	LHDT1	Aggregate	Aggregate	Electricity	649.0881	39875.83	0	39875.83	9086.427	0	0	0	0	0	0	0.002	0.01365	0	0	0	0.008	0.039	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Santa Clara	2027	LHDT2	Aggregate	Aggregate	Gasoline	2509.546	90648.2	90648.2	0	37388.49	0.111653	0.032331	0.561944	0.001268	0	0.000185	0.002	0.03185	0.00138	0	0.000201	0.008	0.091	938.4469	134.3401	24.9353	0.003988	0.102929	0.028094	0.007002	0.002754	0.046144	0.017533	0.370918	0.135504	0.037689	0.212342	2.320101	0.025583	0.541243	0.14836	0.037689	0.212342	2.320101	0.044994	0.742979	3.770326	3.155517	0.009278	0.001328	0.000247
Santa Clara	2027	LHDT2	Aggregate	Aggregate	Diesel	5135.734	196396.2	196396.2	0	64601.07	0.939745	1.642203	0	0.027496	0.027012	0	0.003	0.03185	0.028739	0.028234	0	0.012	0.091	739.7686	203.2066	0	0.006444	0.005098	0	0.116551	0.032015	0	0.13873	0.10976	0	0	0	0	0.157935	0.124954	0	0	0	0	0.195561	0.350532	0.909745	0	0.00701	0.001925	0
Santa Clara	2027	LHDT2	Aggregate	Aggregate	Electricity	164.9398	9665.772	0	9665.772	2187.868	0	0	0	0	0	0	0.002	0.015925	0	0	0	0.008	0.0455	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Santa Clara	2027	MCY	Aggregate	Aggregate	Gasoline	29075.8	167761.7	167761.7	0	58151.6	0.535092	0	0.117492	0.00183	0	0.003236	0.001	0.0042	0.001959	0	0.003451	0.004	0.012	186.4654	0	45.31465	0.151026	0	0.168253	0.038022	0	0.007087	0.961131	0	1.228813	3.558844	3.781493	3.845178	1.168054	0	1.336388	3.558844	3.781493	3.845178	0.008923	11.71041	0	7.90164	0.001843	0	0.000448
Santa Clara	2027	MDV	Aggregate	Aggregate	Gasoline	165596	5720178	5720178	0	767968.9	0.06839	0	0.336026	0.001074	0	0.001805	0.002	0.003182	0.001168	0	0.001963	0.008	0.009092	384.7406	0	98.46097	0.002795	0	0.081565	0.005877	0	0.036232	0.011189	0	0.391	0.084223	0.248249	1.520956	0.016327	0	0.428096	0.084223	0.248249	1.520956	0.038107	0.790051	0	3.34381	0.003804	0	0.000973
Santa Clara	2027	MDV	Aggregate	Aggregate	Diesel	2435.715	83100.92	83100.92	0	11312.15	0.036863	0	0	0.004069	0	0	0.002	0.003253	0.004253	0	0	0.008	0.009296	386.9141	0	0	0.000446	0	0	0.060958	0	0	0.009604	0	0	0	0	0	0.010934	0	0	0	0	0	0.0031	0.194438	0	0	0.003666	0	0
Santa Clara	2027	MDV	Aggregate	Aggregate	Electricity	3455.571	113998.9	0	113998.9	17408.95	0	0	0	0	0	0	0.002	0.001529	0	0	0	0.008	0.004368	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Santa Clara	2027	MDV	Aggregate	Aggregate	Plug-in Hyb	2094.107	84934.84	37715.29	47219.56	8659.133	0.002914	0	0.11551	0.000422	0	0.001593	0.002	0.001395	0.000459	0	0.001732	0.008	0.003987	123.973	0	88.46805	0.000387	0	0.041448	0.0005	0	0.019836	0.00126	0	0.173285	0.029525	0.02765	0.340516	0.001839	0	0.189725	0.029525	0.02765	0.340516	0.01865	0.191881	0	1.339893	0.001226	0	0.000875
Santa Clara	2027	MH	Aggregate	Aggregate	Gasoline	2196.554	20762.47	20762.47	0	219.7432	0.298167	0	0.437987	0.001494	0	0.00036	0.003	0.015756	0.001625	0	0.000392	0.012	0.045017	1946.251	0	31.10334	0.010537	0	0.035941	0.020581	0	0.047644	0.043279	0	0.146043	9.869053	0.237897	3.909775	0.063153	0	0.159898	9.869053	0.237897	3.909775	0.044964	0.962497	0	3.180054	0.019241	0	0.000307
Santa Clara	2027	MH	Aggregate	Aggregate	Diesel	1025.714	9821.237	9821.237	0	102.5714	3.725695	0	0	0.075744	0	0	0.004	0.015675	0.079169	0	0	0.016	0.044785	1083.28	0	0	0.005175	0	0	0.170671	0	0	0.111405	0	0	0	0	0	0.126828	0	0	0	0	0	0.169608	0.362991	0	0	0.010265	0	0
Santa Clara	2027	MHDT	Aggregate	Aggregate	Gasoline	1408.047	72579.6	72579.6	0	28172.21	0.283838	0.08115	0.393455	0.001336	0	0.000488	0.003	0.015756	0.001453	0	0.000531	0.012	0.045017	1709.11	517.1016	43.80548	0.009103	0.265767	0.043342	0.015723	0.007017	0.031676	0.04359	1.018957	0.232679	0.026764	0.221698	2.268825	0.063606	1.48686	0.254754	0.026764	0.221698	2.268825	0.045	0.873344	15.1889	5.024018	0.016896	0.005112	0.000433
Santa Clara	2027	MHDT	Aggregate	Aggregate	Diesel	10767.26	434295.5	434295.5	0	128657.2	0.939446	11.29117	1.635782	0.009401	0.016812	0	0.003	0.015941	0.009826	0.017572	0	0.012	0.045545	1128.563	2191.462	0	0.000987	0.009987	0	0.177806	0.345266	0	0.021244	0.215016	0	0	0	0	0.024185	0.244779	0	0	0	0	0.214146	0.090922	7.512068	0	0.010687	0.020752	0
Santa Clara	2027	MHDT	Aggregate	Aggregate	Electricity	282.6209	14714.25	0	14714.25	3656.161	0	0	0	0	0	0	0.003	0.00795	0	0	0	0.012	0.022715	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Santa Clara	2027	MHDT	Aggregate	Aggregate	Natural Ga	116.0954	5192.025	5192.025	0	1091.191	0.109888	6.361962	0	0.001299	0.019267	0	0.003	0.016009	0.001413	0.020955	0	0.012	0.045741	968.913	5260.482	0	0.758684	16.39433	0	0.197519	1.072384	0	0.01084	0.234243	0	0	0	0	0.774293	16.73162	0	0	0	0	1.06	2.994053	37.37847	0	0	0	0
Santa Clara	2027	OBUS	Aggregate	Aggregate	Gasoline	407.8269	17375.97	17375.97	0	8159.8	0.387611	0.061312	0.399202	0.001003	0	0.000264	0.003	0.01568	0.001091	0	0.000287	0.012	0.044799	1706.278	372.2847	30.84881	0.010578	0.195621	0.034722	0.019382	0.004991	0.030332	0.051093	0.746785	0.184017	0.035247	0.182391	3.280727	0.074554	1.089707	0.201475	0.035247	0.182391	3.280727	0.04499	1.115566	5.777658	3.835425	0.016868	0.00368	0.000305
Santa Clara	2027	OBUS	Aggregate	Aggregate	Diesel	975.8726	63044.62	63044.62	0	10038.86	1.057611	6.690487	1.502438	0.017399	0.006668	0	0.003	0.018093	0.018186	0.00697	0	0.012	0.051694	1229.962	1514.616	0	0.001687	0.020933	0	0.193781	0.238628	0	0.036317	0.450692	0	0	0	0	0.041344	0.513079	0	0	0	0	0.216551	0.134702	7.701933	0	0.011647	0.014343	0
Santa Clara	2027	OBUS	Aggregate	Aggregate	Electricity	7.148004	573.2173	0	573.2173	143.0173	0	0	0	0	0	0	0.003	0.00784	0	0	0	0.012	0.022399	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Santa Clara	2027	OBUS	Aggregate	Aggregate	Natural Ga	10.00472	655.306	655.306	0	89.042	0.130414	1.511841	0	0.001347	0.004509	0	0.003	0.016148	0.001465	0.004904	0	0.012	0.046137	962.0387	1183.268	0	0.822734	3.921152	0	0.196118	0.241217	0	0.011755	0.056026	0	0	0	0	0.839661	4.001823	0	0	0	0	1.06	3.343066	8.72839	0	0	0	0
Santa Clara	2027	SBUS	Aggregate	Aggregate	Gasoline	188.5987	9259.272	9259.272	0	754.3948	0.450353	0.871777	0.740409	0.000875	0	0.000586	0.002	0.015721	0.000952	0	0.000637	0.008	0.044917	798.7707	2554.986	56.83783	0.009468	2.468092	0.07398	0.025075	0.081195	0.067806	0.045802	10.63953	0.419588	0.124616	0.336253	2.048577	0.066835	15.52518	0.459397	0.124616	0.336253	2.048577	0.045	1.177716	82.22881	9.921963	0.007897	0.025259	0.000562
Santa Clara	2027	SBUS	Aggregate	Aggregate	Diesel	674.8268	15110.62	15110.62	0	9771.491	3.20468	19.86543	0.521414	0.016822	0.015508	0	0.003	0.015721	0.017582	0.016209	0	0.012	0.044917	1131.356	2199.096	0	0.002413	0.007856	0	0.178246	0.346468	0	0.05196	0.169144	0	0	0	0	0.059153	0.192557	0	0	0	0	0.159585	0.164971	4.989511	0	0.010713	0.020824	0
Santa Clara	2027	SBUS	Aggregate	Aggregate	Electricity	12.30338	395.5247	0	395.5247	141.8818	0	0	0	0	0	0	0.00257	0.00786	0	0	0	0.010282	0.022459	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Santa Clara	2027	SBUS	Aggregate	Aggregate	Natural Ga	27.00068	655.8362	655.8362	0	390.9698	0.516279	5.240894	0	0.003378	0.012073	0	0.003	0.015721	0.003674	0.01313	0	0.012	0.044917	1235.508	4086.873	0	3.295023	14.88623	0	0.251866	0.833136	0	0.047079	0.212695	0	0	0	0	3.362812	15.19249	0	0	0	0	1.06	10.98242	22.36041	0	0	0	0
Santa Clara	2027	UBUS	Aggregate	Aggregate	Gasoline	46.49126	4855.072	4855.072	0	185.9651	0.026613	0	0.433152	0.001143	0	0.000128	0.002	0.03185	0.001244	0	0.00014	0.008	0.091	925.4384	0	36.07215	0.001903	0	0.042735	0.004171	0	0.068782	0.005254	0	0.151018	0.054894	0.139449	0.729049	0.007666	0	0.165346	0.054894	0.139449	0.729049	0.045	0.595487	0	5.593095	0.009149	0	0.000357
Santa Clara	2027	UBUS	Aggregate	Aggregate	Diesel	397.2804	44140.83	44140.83	0	1589.121	0.382078	0	0	0.006946	0	0	0.008221	0.0385	0.00726	0	0	0.032883	0.11	1110.45	0	0	0.003187	0	0	0.174952	0	0	0.068626	0	0	0	0	0	0.078125	0	0	0	0	0	0.22	0.078519	0	0	0.010522	0	0
Santa Clara	2027	UBUS	Aggregate	Aggregate	Electricity	29.37609	3075.292	0	3075.292	117.5043	0	0	0	0	0	0	0.008954	0.01925	0	0	0	0.035816	0.055	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Santa Clara	2027	UBUS	Aggregate	Aggregate	Natural Ga	63.05154	7280.138	7280.138	0	252.2062	0.060784	0	0	0.000288	0	0	0.008445	0.0385	0.000301	0	0	0.03378	0.11	1320.896	0	0	4.332417	0	0	0.269273	0	0	0.061902	0	0	0	0	0	4.421549	0	0	0	0	0	0.97	50.55602	0	0	0	0	0

Source: EMFAC2021 (v1.0.2) Emission Rates
Region Type: County
Region: Santa Clara
Calendar Year: 2028
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HOTSOAK and RUNLOSS, g/vehicle/day for IDLEX and DIURN. PHEV calculated based on total VMT.

Region	Calendar Y	Vehicle Cat	Model Yea	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips	NOx_RUNE	NOx_IDLEX	NOx_STRE	PM2.5_RU	PM2.5_IDL	PM2.5_STF	PM2.5_PM
Santa Clara	2028	HHDT	Aggregate	Aggregate	Gasoline	1.470835	154.303	154.303	0	29.42846	3.160849	0	0.799958	0.001802	0	0.000748	0.005
Santa Clara	2028	HHDT	Aggregate	Aggregate	Diesel	9119.079	1024317	1024317	0	134474.3	1.649728	56.82184	2.940109	0.02493	0.025825	0	0.00878
Santa Clara	2028	HHDT	Aggregate	Aggregate	Electricity	270.954	28275.15	0	28275.15	3483.7	0	0	0	0	0	0	0.008552
Santa Clara	2028	HHDT	Aggregate	Aggregate	Natural Ga	909.887	57673.44	57673.44	0	8080.24	0.845299	12.05981	0	0.001592	0.026365	0	0.009
Santa Clara	2028	LDA	Aggregate	Aggregate	Gasoline	600154.7	21978505	21978505	0	2786673	0.030254	0	0.217367	0.000997	0	0.00169	0.002
Santa Clara	2028	LDA	Aggregate	Aggregate	Diesel	1207.848	34499.52	34499.52	0	5156.172	0.118376	0	0	0.009649	0	0	0.002
Santa Clara	2028	LDA	Aggregate	Aggregate	Electricity	69984.64	2868125	0	2868125	336272.3	0	0	0	0	0	0	0.002
Santa Clara	2028	LDA	Aggregate	Aggregate	Plug-in Hyb	22751.93	936162.1	430803.2	505358.9	94079.21	0.00302	0	0.11551	0.000467	0	0.001715	0.002
Santa Clara	2028	LDT1	Aggregate	Aggregate	Gasoline	49081.01	1563538	1563538	0	218519.1	0.084308	0	0.305828	0.00136	0	0.002171	0.002
Santa Clara	2028	LDT1	Aggregate	Aggregate	Diesel	3.376419	51.57305	51.57305	0	9.61996	1.103246	0	0	0.165443	0	0	0.002
Santa Clara	2028	LDT1	Aggregate	Aggregate	Electricity	344.7167	14328.81	0	14328.81	1657.81	0	0	0	0	0	0	0.002
Santa Clara	2028	LDT1	Aggregate	Aggregate	Plug-in Hyb	210.9723	9240.009	3862.243	5377.766	872.3706	0.002743	0	0.11551	0.000276	0	0.001121	0.002
Santa Clara	2028	LDT2	Aggregate	Aggregate	Gasoline	306289.6	10804407	10804407	0	1428230	0.048684	0	0.272265	0.001037	0	0.001722	0.002
Santa Clara	2028	LDT2	Aggregate	Aggregate	Diesel	1124.634	40163.41	40163.41	0	5296.19	0.032087	0	0	0.004136	0	0	0.002
Santa Clara	2028	LDT2	Aggregate	Aggregate	Electricity	3966.166	128586.5	0	128586.5	19886.52	0	0	0	0	0	0	0.002
Santa Clara	2028	LDT2	Aggregate	Aggregate	Plug-in Hyb	3889.8	160537.5	69997.62	90539.85	16084.32	0.002861	0	0.11551	0.00035	0	0.001357	0.002
Santa Clara	2028	LHDT1	Aggregate	Aggregate	Gasoline	19758.18	736964	736964	0	294367.4	0.105907	0.032213	0.550872	0.001382	0	0.000225	0.002
Santa Clara	2028	LHDT1	Aggregate	Aggregate	Diesel	11024.69	426298.1	426298.1	0	138676.7	0.969403	1.57457	0	0.026418	0.026447	0	0.003
Santa Clara	2028	LHDT1	Aggregate	Aggregate	Electricity	1021.234	60968.04	0	60968.04	14299.84	0	0	0	0	0	0	0.002
Santa Clara	2028	LHDT2	Aggregate	Aggregate	Gasoline	2498.391	89760.82	89760.82	0	37222.3	0.097832	0.031367	0.543719	0.001242	0	0.000172	0.002
Santa Clara	2028	LHDT2	Aggregate	Aggregate	Diesel	5257.65	198606.8	198606.8	0	66134.62	0.865041	1.574905	0	0.026454	0.027	0	0.003
Santa Clara	2028	LHDT2	Aggregate	Aggregate	Electricity	258.9077	14761.07	0	14761.07	3434.171	0	0	0	0	0	0	0.002
Santa Clara	2028	MCY	Aggregate	Aggregate	Gasoline	29377.66	168474	168474	0	58755.32	0.525696	0	0.112461	0.001844	0	0.003234	0.001
Santa Clara	2028	MDV	Aggregate	Aggregate	Gasoline	168553.5	5803822	5803822	0	781481.4	0.061284	0	0.315881	0.001013	0	0.001716	0.002
Santa Clara	2028	MDV	Aggregate	Aggregate	Diesel	2426.785	81862.87	81862.87	0	11233.79	0.032614	0	0	0.003648	0	0	0.002
Santa Clara	2028	MDV	Aggregate	Aggregate	Electricity	4086.684	132418.2	0	132418.2	20489.55	0	0	0	0	0	0	0.002
Santa Clara	2028	MDV	Aggregate	Aggregate	Plug-in Hyb	2378.288	95173.34	41647.22	53526.11	9834.221	0.002871	0	0.11551	0.000381	0	0.001468	0.002
Santa Clara	2028	MH	Aggregate	Aggregate	Gasoline	2135.932	20452.38	20452.38	0	213.6786	0.26549	0	0.443358	0.001449	0	0.000349	0.003
Santa Clara	2028	MH	Aggregate	Aggregate	Diesel	1038.172	9908.83	9908.83	0	103.8172	3.609205	0	0	0.070805	0	0	0.004
Santa Clara	2028	MHDT	Aggregate	Aggregate	Gasoline	1401.234	72189.25	72189.25	0	28035.89	0.242516	0.078583	0.374586	0.001336	0	0.00048	0.003
Santa Clara	2028	MHDT	Aggregate	Aggregate	Diesel	10803.08	430729.5	430729.5	0	129114.2	0.860613	10.763	1.608029	0.008248	0.013921	0	0.003
Santa Clara	2028	MHDT	Aggregate	Aggregate	Electricity	455.7542	23641.62	0	23641.62	5888.879	0	0	0	0	0	0	0.003
Santa Clara	2028	MHDT	Aggregate	Aggregate	Natural Ga	123.908	5444.71	5444.71	0	1175.944	0.104653	6.319766	0	0.001324	0.019478	0	0.003
Santa Clara	2028	OBUS	Aggregate	Aggregate	Gasoline	397.1145	16622.09	16622.09	0	7945.466	0.357116	0.059942	0.391986	0.001028	0	0.000266	0.003
Santa Clara	2028	OBUS	Aggregate	Aggregate	Diesel	1000.421	63426.65	63426.65	0	10301.55	1.028839	6.455092	1.462805	0.016693	0.006255	0	0.003
Santa Clara	2028	OBUS	Aggregate	Aggregate	Electricity	11.18613	887.4727	0	887.4727	223.8121	0	0	0	0	0	0	0.003
Santa Clara	2028	OBUS	Aggregate	Aggregate	Natural Ga	10.8368	704.2664	704.2664	0	96.44751	0.118641	1.506606	0	0.001403	0.004634	0	0.003
Santa Clara	2028	SBUS	Aggregate	Aggregate	Gasoline	192.6095	9426.49	9426.49	0	770.4379	0.441988	0.854627	0.742088	0.000877	0	0.00059	0.002
Santa Clara	2028	SBUS	Aggregate	Aggregate	Diesel	672.4071	14961.93	14961.93	0	9736.455	2.992481	19.08388	0.530181	0.015915	0.014197	0	0.003
Santa Clara	2028	SBUS	Aggregate	Aggregate	Electricity	19.56942	629.4361	0	629.4361	226.2446	0	0	0	0	0	0	0.002576
Santa Clara	2028	SBUS	Aggregate	Aggregate	Natural Ga	27.79861	667.4476	667.4476	0	402.5239	0.501921	5.232817	0	0.003378	0.012266	0	0.003
Santa Clara	2028	UBUS	Aggregate	Aggregate	Gasoline	46.62731	4869.279	4869.279	0	186.5092	0.018118	0	0.301177	0.001197	0	0.000134	0.002
Santa Clara	2028	UBUS	Aggregate	Aggregate	Diesel	397.7907	44197.62	44197.62	0	1591.163	0.382083	0	0	0.006946	0	0	0.008221
Santa Clara	2028	UBUS	Aggregate	Aggregate	Electricity	30.09259	3155.026	0	3155.026	120.3703	0	0	0	0	0	0	0.008937
Santa Clara	2028	UBUS	Aggregate	Aggregate	Natural Ga	63.25774	7303.084	7303.084	0	253.0309	0.06078	0	0	0.000288	0	0	0.008444

Vehicle Cat	Fuel	PM2.5_PM	PM10_RUN	PM10_IDLE	PM10_STR	PM10_PM	PM10_PM	CO2_RUNE	CO2_IDLEX	CO2_STRE	CH4_RUNE	CH4_IDLEX	CH4_STRE	N2O_RUNE	N2O_IDLE	N2O_STRE	ROG_RUNE	ROG_IDLE	ROG_STRE
HHDT	Gasoline	0.032409	0.00196	0	0.000813	0.02	0.092597	1951.66	0	49.27078	0.108026	0	0.000299	0.124786	0	0.028209	0.5443	0	0.001621
HHDT	Diesel	0.027829	0.026057	0.026993	0	0.035118	0.079512	1528	11109.9	0	0.000679	0.234703	0	0.240737	1.750369	0	0.01462	5.053085	0
HHDT	Electricity	0.01525	0	0	0	0.034206	0.043571	0	0	0	0	0	0	0	0	0	0	0	0
HHDT	Natural Ga	0.050678	0.001731	0.028674	0	0.036	0.144795	1343.406	10310.04	0	1.91551	31.69951	0	0.273862	2.101769	0	0.038157	0.471295	0
LDA	Gasoline	0.002654	0.001084	0	0.001838	0.008	0.007582	254.1998	0	64.05908	0.001655	0	0.057308	0.003885	0	0.029996	0.005911	0	0.251605
LDA	Diesel	0.002722	0.010085	0	0	0.008	0.007778	220.6951	0	0	0.000886	0	0	0.034771	0	0	0.019079	0	0
LDA	Electricity	0.001536	0	0	0	0.008	0.004389	0	0	0	0	0	0	0	0	0	0	0	0
LDA	Plug-in Hyb	0.001393	0.000508	0	0.001865	0.008	0.003979	128.4354	0	61.6907	0.000404	0	0.041698	0.000525	0	0.020069	0.001306	0	0.173285
LDT1	Gasoline	0.00324	0.00148	0	0.002362	0.008	0.009256	304.9806	0	79.07292	0.004111	0	0.081169	0.006927	0	0.034482	0.017586	0	0.397179
LDT1	Diesel	0.003602	0.172924	0	0	0.008	0.010292	376.155	0	0	0.012442	0	0	0.059263	0	0	0.267875	0	0
LDT1	Electricity	0.001534	0	0	0	0.008	0.004382	0	0	0	0	0	0	0	0	0	0	0	0
LDT1	Plug-in Hyb	0.001402	0.0003	0	0.001219	0.008	0.004004	116.728	0	65.43695	0.000365	0	0.041529	0.000473	0	0.019911	0.001186	0	0.173285
LDT2	Gasoline	0.00314	0.001128	0	0.001873	0.008	0.008973	311.4521	0	79.35334	0.002155	0	0.067575	0.00483	0	0.033529	0.008041	0	0.302046
LDT2	Diesel	0.003139	0.004324	0	0	0.008	0.008969	283.8903	0	0	0.00057	0	0	0.044727	0	0	0.012281	0	0
LDT2	Electricity	0.001529	0	0	0	0.008	0.00437	0	0	0	0	0	0	0	0	0	0	0	0
LDT2	Plug-in Hyb	0.001398	0.00038	0	0.001476	0.008	0.003995	121.7264	0	71.36672	0.00038	0	0.041442	0.000491	0	0.01983	0.001237	0	0.173285
LHDT1	Gasoline	0.0273	0.001503	0	0.000245	0.008	0.078	819.0942	115.0602	25.40508	0.005002	0.103139	0.028129	0.006125	0.002833	0.046743	0.023788	0.369318	0.136586
LHDT1	Diesel	0.0273	0.027612	0.027643	0	0.012	0.078	620.6931	125.5014	0	0.006234	0.005098	0	0.09779	0.019773	0	0.13422	0.10976	0
LHDT1	Electricity	0.01365	0	0	0	0.008	0.039	0	0	0	0	0	0	0	0	0	0	0	0
LHDT2	Gasoline	0.03185	0.001351	0	0.000187	0.008	0.091	927.6745	133.3883	24.76704	0.003463	0.100393	0.02699	0.006277	0.002707	0.045144	0.014905	0.359925	0.12934
LHDT2	Diesel	0.03185	0.02765	0.02822	0	0.012	0.091	735.4981	201.5097	0	0.00621	0.005098	0	0.115878	0.031748	0	0.133707	0.10976	0
LHDT2	Electricity	0.015925	0	0	0	0.008	0.0455	0	0	0	0	0	0	0	0	0	0	0	0
MCY	Gasoline	0.0042	0.001975	0	0.003451	0.004	0.012	186.1355	0	44.44114	0.148032	0	0.164333	0.037627	0	0.006825	0.934888	0	1.195378
MDV	Gasoline	0.003184	0.001101	0	0.001866	0.008	0.009096	376.9736	0	96.30475	0.002561	0	0.076579	0.005494	0	0.035243	0.010093	0	0.362532
MDV	Diesel	0.003262	0.003813	0	0	0.008	0.009319	380.6728	0	0	0.000421	0	0	0.059975	0	0	0.009068	0	0
MDV	Electricity	0.00153	0	0	0	0.008	0.004371	0	0	0	0	0	0	0	0	0	0	0	0
MDV	Plug-in Hyb	0.001398	0.000414	0	0.001596	0.008	0.003995	122.166	0	87.32909	0.00038	0	0.041303	0.00049	0	0.0197	0.001242	0	0.173285
MH	Gasoline	0.015756	0.001576	0	0.000379	0.012	0.045017	1945.922	0	30.95502	0.009219	0	0.035524	0.019212	0	0.048659	0.036579	0	0.142607
MH	Diesel	0.015675	0.074006	0	0	0.016	0.044785	1083.65	0	0	0.005048	0	0	0.170729	0	0	0.108673	0	0
MHDT	Gasoline	0.015756	0.001453	0	0.000522	0.012	0.045017	1692.94	512.6804	43.11567	0.007916	0.26741	0.042275	0.014019	0.006888	0.03076	0.037328	1.020423	0.224339
MHDT	Diesel	0.015941	0.008621	0.01455	0	0.012	0.045546	1122.135	2173.473	0	0.000865	0.009639	0	0.176793	0.342432	0	0.018619	0.207523	0
MHDT	Electricity	0.00795	0	0	0	0.012	0.022714	0	0	0	0	0	0	0	0	0	0	0	0
MHDT	Natural Ga	0.016008	0.00144	0.021184	0	0.012	0.045737	964.7434	5240.847	0	0.760505	16.16251	0	0.196669	1.068381	0	0.010866	0.23093	0
OBUS	Gasoline	0.01568	0.001118	0	0.000289	0.012	0.044799	1689.377	370.1334	30.60894	0.009705	0.195421	0.034455	0.017965	0.004869	0.029709	0.046721	0.746963	0.182947
OBUS	Diesel	0.018135	0.017448	0.006538	0	0.012	0.051815	1214.71	1504.36	0	0.001614	0.021006	0	0.191378	0.237013	0	0.034758	0.452257	0
OBUS	Electricity	0.00784	0	0	0	0.012	0.022399	0	0	0	0	0	0	0	0	0	0	0	0
OBUS	Natural Ga	0.016148	0.001526	0.00504	0	0.012	0.046137	949.9442	1177.671	0	0.829179	3.856516	0	0.193652	0.240076	0	0.011847	0.055102	0
SBUS	Gasoline	0.015721	0.000954	0	0.000642	0.008	0.044917	795.4934	2545.579	56.45763	0.008926	2.46924	0.074272	0.024568	0.079725	0.067747	0.043131	10.64152	0.421106
SBUS	Diesel	0.015721	0.016635	0.014839	0	0.012	0.044917	1127.12	2187.632	0	0.002319	0.007838	0	0.177578	0.344662	0	0.049921	0.168747	0
SBUS	Electricity	0.00786	0	0	0	0.010305	0.022459	0	0	0	0	0	0	0	0	0	0	0	0
SBUS	Natural Ga	0.015721	0.003674	0.01334	0	0.012	0.044917	1228.307	4092.288	0	3.255494	14.78651	0	0.250398	0.83424	0	0.046515	0.21127	0
UBUS	Gasoline	0.03185	0.001302	0	0.000145	0.008	0.091	850.5342	0	35.22796	0.001481	0	0.028231	0.003213	0	0.053536	0.003868	0	0.094762
UBUS	Diesel	0.0385	0.00726	0	0	0.032883	0.11	1110.56	0	0	0.003188	0	0	0.174969	0	0	0.068627	0	0
UBUS	Electricity	0.01925	0	0	0	0.03575	0.055	0	0	0	0	0	0	0	0	0	0	0	0
UBUS	Natural Ga	0.0385	0.000301	0	0	0.033778	0.11	1320.856	0	0	4.332259	0	0	0.269265	0	0	0.061899	0	0

Vehicle Cat	Fuel	ROG_HOTS	ROG_RUNL	ROG_DIUR	TOG_RUNE	TOG_IDLEX	TOG_STRE	TOG_HOTS	TOG_RUNL	TOG_DIUR	NH3_RUNE	CO_RUNEX	CO_IDLEX	CO_STREX	SOx_RUNE	SOx_IDLEX	SOx_STREX
HHDT	Gasoline	0.086862	0.781156	5.484444	0.794242	0	0.001775	0.086862	0.781156	5.484444	0.045	24.51976	0	4.057756	0.019294	0	0.000487
HHDT	Diesel	0	0	0	0.016644	5.752553	0	0	0	0	0.216623	0.067122	73.97201	0	0.014469	0.105204	0
HHDT	Electricity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HHDT	Natural Ga	0	0	0	1.967209	32.37261	0	0	0	0	0.820835	11.87837	75.6236	0	0	0	0
LDA	Gasoline	0.076497	0.209635	1.284962	0.008625	0	0.275476	0.076497	0.209635	1.284962	0.03804	0.603253	0	2.607541	0.002513	0	0.000633
LDA	Diesel	0	0	0	0.02172	0	0	0	0	0	0.0031	0.281436	0	0	0.002091	0	0
LDA	Electricity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDA	Plug-in Hyb	0.041591	0.046177	0.492538	0.001905	0	0.189725	0.041591	0.046177	0.492538	0.018641	0.198644	0	1.339893	0.00127	0	0.00061
LDT1	Gasoline	0.135565	0.390418	2.261735	0.025662	0	0.434861	0.135565	0.390418	2.261735	0.037654	1.051411	0	3.964013	0.003015	0	0.000782
LDT1	Diesel	0	0	0	0.304958	0	0	0	0	0	0.0031	1.8775	0	0	0.003564	0	0
LDT1	Electricity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDT1	Plug-in Hyb	0.023021	0.019863	0.274915	0.001731	0	0.189725	0.023021	0.019863	0.274915	0.017556	0.180774	0	1.339893	0.001154	0	0.000647
LDT2	Gasoline	0.071308	0.20464	1.273765	0.011733	0	0.330702	0.071308	0.20464	1.273765	0.038949	0.699045	0	3.020134	0.003079	0	0.000784
LDT2	Diesel	0	0	0	0.013981	0	0	0	0	0	0.0031	0.127096	0	0	0.00269	0	0
LDT2	Electricity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDT2	Plug-in Hyb	0.025845	0.023469	0.303951	0.001805	0	0.189725	0.025845	0.023469	0.303951	0.0183	0.188386	0	1.339893	0.001203	0	0.000706
LHDT1	Gasoline	0.037892	0.223771	2.358305	0.034712	0.538908	0.149544	0.037892	0.223771	2.358305	0.045	0.894116	3.764573	3.249257	0.008098	0.001137	0.000251
LHDT1	Diesel	0	0	0	0.152801	0.124954	0	0	0	0	0.19297	0.350151	0.909745	0	0.005881	0.001189	0
LHDT1	Electricity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LHDT2	Gasoline	0.035925	0.207704	2.286049	0.021749	0.525202	0.141611	0.035925	0.207704	2.286049	0.045	0.707005	3.772284	3.162872	0.009171	0.001319	0.000245
LHDT2	Diesel	0	0	0	0.152217	0.124954	0	0	0	0	0.198314	0.337166	0.909745	0	0.006969	0.001909	0
LHDT2	Electricity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCY	Gasoline	3.558397	3.787612	3.814128	1.139755	0	1.300164	3.558397	3.787612	3.814128	0.008953	11.46379	0	7.875637	0.00184	0	0.000439
MDV	Gasoline	0.080433	0.240438	1.475862	0.014727	0	0.396926	0.080433	0.240438	1.475862	0.038637	0.751575	0	3.184891	0.003727	0	0.000952
MDV	Diesel	0	0	0	0.010323	0	0	0	0	0	0.0031	0.190366	0	0	0.003607	0	0
MDV	Electricity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MDV	Plug-in Hyb	0.029777	0.030116	0.357344	0.001812	0	0.189725	0.029777	0.030116	0.357344	0.018379	0.189069	0	1.339893	0.001208	0	0.000863
MH	Gasoline	9.09894	0.220886	3.673671	0.053375	0	0.156136	9.09894	0.220886	3.673671	0.045	0.773269	0	3.09385	0.019237	0	0.000306
MH	Diesel	0	0	0	0.123716	0	0	0	0	0	0.173727	0.351812	0	0	0.010268	0	0
MHDT	Gasoline	0.024741	0.206107	2.119603	0.054468	1.488999	0.245622	0.024741	0.206107	2.119603	0.045	0.73501	15.20594	4.808335	0.016736	0.005068	0.000426
MHDT	Diesel	0	0	0	0.021196	0.23625	0	0	0	0	0.215005	0.083705	7.507183	0	0.010626	0.020581	0
MHDT	Electricity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MHDT	Natural Ga	0	0	0	0.776151	16.49502	0	0	0	0	1.06	2.992399	37.88217	0	0	0	0
OBUS	Gasoline	0.035541	0.189879	3.415245	0.068175	1.089967	0.200304	0.035541	0.189879	3.415245	0.045	1.017018	5.778725	3.777572	0.016701	0.003659	0.000303
OBUS	Diesel	0	0	0	0.039569	0.51486	0	0	0	0	0.216724	0.130637	7.741349	0	0.011503	0.014245	0
OBUS	Electricity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OBUS	Natural Ga	0	0	0	0.846238	3.935858	0	0	0	0	1.06	3.360428	9.009932	0	0	0	0
SBUS	Gasoline	0.123435	0.341525	2.080031	0.062937	15.52808	0.461058	0.123435	0.341525	2.080031	0.045	1.111121	82.24088	9.778336	0.007864	0.025166	0.000558
SBUS	Diesel	0	0	0	0.056831	0.192106	0	0	0	0	0.16354	0.160085	5.10628	0	0.010673	0.020716	0
SBUS	Electricity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SBUS	Natural Ga	0	0	0	3.322471	15.09072	0	0	0	0	1.06	10.7964	22.79477	0	0	0	0
UBUS	Gasoline	0.022596	0.090653	0.320129	0.005644	0	0.103752	0.022596	0.090653	0.320129	0.045	0.581279	0	6.342648	0.008408	0	0.000348
UBUS	Diesel	0	0	0	0.078126	0	0	0	0	0	0.22	0.07852	0	0	0.010523	0	0
UBUS	Electricity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UBUS	Natural Ga	0	0	0	4.421388	0	0	0	0	0	0.97	50.55326	0	0	0	0	0

Attachment 4: Project Construction and Operation Dispersion Modeling Inputs and Risk Calculations

Attachment 4: Project Construction and Operation Dispersion Modeling Inputs and Risk Calculations

681 Trimble/Seeley Residential, San Jose

DPM Emissions and Modeling Emission Rates - Unmitigated

Construction Year	Activity	DPM (ton/year)	Area Source	DPM Emissions (lb/yr)	DPM Emissions (lb/hr)	DPM Emissions (g/s)	Modeled Area (m^2)	DPM Emission Rate ($g/s/m^2$)
2024	Infrastructure	0.0417	DPM_I24	83.4	0.03565	4.49E-03	92950	4.83E-08
2024	Building 1 Const	0.0211	DPM_B124	42.2	0.01805	2.27E-03	13,257	1.72E-07
2025	Building 1 Const	0.0413	DPM_B125	82.5	0.03528	4.44E-03	13,257	3.35E-07
2024	Town Homes Const	0.0128	DPM_TH24	25.6	0.01094	1.38E-03	30,181	4.57E-08
2025	Town Homes Const	0.0221	DPM_TH25	44.3	0.01892	2.38E-03	30,181	7.90E-08
2026	Town Homes Const*	0.0231	DPM_TH26	46.2	0.01976	2.49E-03	30,181	8.25E-08
2024	Affordable Const	0.0127	DPM_AH24	25.5	0.01089	1.37E-03	6,392	2.15E-07
2025	Affordable Const	0.0351	DPM_AH25	70.3	0.03004	3.79E-03	6,392	5.92E-07
2024	Building 2 Const	0.0064	DPM_B224	12.9	0.00551	6.95E-04	14,723	4.72E-08
2025	Building 2 Const	0.0303	DPM_B225	60.6	0.02589	3.26E-03	14,723	2.22E-07
2026	Building 2 Const	0.0358	DPM_B226	71.6	0.03061	3.86E-03	14,723	2.62E-07
2026	Building 3 Const	0.0193	DPM_B326	38.6	0.01648	2.08E-03	13,332	1.56E-07
2027	Building 3 Const	0.0412	DPM_B327	82.3	0.03517	4.43E-03	13,332	3.32E-07
Total		***0.3430***		***686.1***	***0.2932***	***0.0369***		

* 2026 town home construction includes 2027 emissions (1 month)

Modeled Construction Hours

hr/day = 9 (7am - 4pm Mon-Fri)
days/yr = 260
hours/year = 2340

PM2.5 Fugitive Dust Emissions for Modeling - Unmitigated

Construction Year	Activity	Area Source	PM2.5 Emissions (ton/year)	PM2.5 Emissions (lb/yr)	PM2.5 Emissions (lb/hr)	PM2.5 Emissions (g/s)	Modeled Area (m^2)	PM2.5 Emission Rate $g/s/m^2$
2024	Infrastructure	FUG_I24	0.0115	23.0	0.00982	1.24E-03	92,950	1.33E-08
2024	Building 1 Const	FUG_B124	0.0031	6.1	0.00261	3.29E-04	13,257	2.48E-08
2025	Building 1 Const	FUG_B125	0.0037	7.4	0.00315	3.97E-04	13,257	3.00E-08
2024	Town Homes Const	FUG_TH24	0.0019	3.8	0.00162	2.04E-04	30,181	6.77E-09
2025	Town Homes Const	FUG_TH24	0.0025	5.0	0.00215	2.71E-04	30,181	8.98E-09
2026	Town Homes Const*	FUG_TH24	0.0027	5.3	0.00228	2.87E-04	30,181	9.52E-09
2024	Affordable Const	FUG_AH24	0.0007	1.4	0.00061	7.66E-05	6,392	1.20E-08
2025	Affordable Const	FUG_AH25	0.0012	2.4	0.00101	1.27E-04	6,392	1.99E-08
2024	Building 2 Const	FUG_B224	0.0012	2.4	0.00103	1.30E-04	14,723	8.83E-09
2025	Building 2 Const	FUG_B225	0.0044	8.7	0.00372	4.69E-04	14,723	3.18E-08
2026	Building 2 Const	FUG_B226	0.0038	7.6	0.00323	4.07E-04	14,723	2.76E-08
2026	Building 3 Const	FUG_B326	0.0031	6.3	0.00267	3.37E-04	13,332	2.53E-08
2027	Building 3 Const	FUG_B327	0.0038	7.6	0.00323	4.07E-04	13,332	3.05E-08
Total			***0.0435***	***86.9***	***0.0371***	***0.0047***		

* 2026 town home construction includes 2027 emissions (1 month)

Modeled Construction Hours

hr/day = 9 (7am - 4pm Mon-Fri)
days/yr = 260
hours/year = 2340

DPM Construction Emissions and Modeling Emission Rates - With Mitigation

Construction Year	Activity	DPM (ton/year)	Area Source	DPM Emissions (lb/yr)	(lb/hr)	(g/s)	Modeled Area (m^2)	DPM Emission Rate ($g/s/m^2$)
2024	Infrastructure	0.0044	DPM_I24	8.9	0.00379	4.77E-04	92950	5.13E-09
2024	Building 1 Const	0.0043	DPM_B124	8.6	0.00368	4.64E-04	13,257	3.50E-08
2025	Building 1 Const	0.0073	DPM_B125	14.6	0.00626	7.89E-04	13,257	5.95E-08
2024	Town Homes Const	0.0023	DPM_TH24	4.6	0.00195	2.46E-04	30,181	8.14E-09
2025	Town Homes Const	0.0034	DPM_TH25	6.9	0.00293	3.70E-04	30,181	1.22E-08
2026	Town Homes Const*	0.0036	DPM_TH26	7.2	0.00306	3.86E-04	30,181	1.28E-08
2024	Affordable Const	0.0018	DPM_AH24	3.7	0.00156	1.97E-04	6,392	3.08E-08
2025	Affordable Const	0.0051	DPM_AH25	10.3	0.00438	5.52E-04	6,392	8.64E-08
2024	Building 2 Const	0.0016	DPM_B224	3.2	0.00138	1.73E-04	14,723	1.18E-08
2025	Building 2 Const	0.0064	DPM_B225	12.8	0.00548	6.91E-04	14,723	4.69E-08
2026	Building 2 Const	0.0069	DPM_B226	13.7	0.00586	7.39E-04	14,723	5.02E-08
2026	Building 3 Const	0.0044	DPM_B326	8.8	0.00374	4.72E-04	13,332	3.54E-08
2027	Building 3 Const	0.0074	DPM_B327	14.8	0.00631	7.95E-04	13,332	5.97E-08
Total		***0.0590***		***117.9***	***0.0504***	***0.0064***		

* 2026 town home construction includes 2027 emissions (1 month)

Modeled Construction Hours

hr/day =	9	(7am - 4pm Mon-Fri)
days/yr =	260	
hours/year =	2340	

PM2.5 Fugitive Dust Construction Emissions for Modeling - With Mitigation

Construction Year	Activity	Area Source	PM2.5 Emissions (ton/year)	(lb/yr)	(lb/hr)	(g/s)	Modeled Area (m^2)	PM2.5 Emission Rate $g/s/m^2$
2024	Infrastructure	FUG_I24	0.0054	10.7	0.00459	5.78E-04	92,950	6.22E-09
2024	Building 1 Const	FUG_B124	0.0030	6.0	0.00256	3.23E-04	13,257	2.44E-08
2025	Building 1 Const	FUG_B125	0.0037	7.4	0.00315	3.97E-04	13,257	3.00E-08
2024	Town Homes Const	FUG_TH24	0.0019	3.8	0.00162	2.04E-04	30,181	6.77E-09
2025	Town Homes Const	FUG_TH24	0.0025	5.0	0.00215	2.71E-04	30,181	8.98E-09
2026	Town Homes Const*	FUG_TH24	0.0027	5.3	0.00228	2.87E-04	30,181	9.52E-09
2024	Affordable Const	FUG_AH24	0.0007	1.3	0.00056	7.02E-05	6,392	1.10E-08
2025	Affordable Const	FUG_AH25	0.0012	2.4	0.00101	1.27E-04	6,392	1.99E-08
2024	Building 2 Const	FUG_B224	0.0011	2.3	0.00098	1.24E-04	14,723	8.39E-09
2025	Building 2 Const	FUG_B225	0.0044	8.7	0.00372	4.69E-04	14,723	3.18E-08
2026	Building 2 Const	FUG_B226	0.0038	7.6	0.00323	4.07E-04	14,723	2.76E-08
2026	Building 3 Const	FUG_B326	0.0031	6.1	0.00262	3.31E-04	13,332	2.48E-08
2027	Building 3 Const	FUG_B327	0.0038	7.6	0.00323	4.07E-04	13,332	3.05E-08
Total			***0.0371***	***74.2***	***0.0317***	***0.0040***		

* 2026 town home construction includes 2027 emissions (1 month)

Modeled Construction Hours

hr/day =	9	(7am - 4pm Mon-Fri)
days/yr =	260	
hours/year =	2340	

681 E Trimble/Seeley-Construction DPM/PM2.5 Modeling Information
AERMOD Risk Modeling Parameters and Maximum Concentrations
Construction Impacts - Unmitigated Emissions
Off-Site Residential Receptors, 1st Floor (1.5 meter receptor heights)

Receptor Information

Number of Receptors	362
Receptor Height =	1.5 meters
Receptor spacing =	variable, at residential locations

Meteorological Conditions

San Jose Airport BAAQMD Hourly Data	2013-2017
Land Use Classification	Urban
Wind speed =	variable
Wind direction =	variable

MEI Maximum Concentrations

Emission Period	DPM Concentration ($\mu g/m^3$)
2024 - Construction	0.02699
2025 - Construction	0.02529
2026 - Construction	0.02147
2027 - Construction	0.00278

681 E Trimble/Seeley-Construction DPM/PM2.5 Modeling Information
AERMOD Risk Modeling Parameters and Maximum Concentrations
Construction Impacts - Unmitigated Emissions
Off-Site Residential Receptors, 2nd Floor (4.6 meter receptor heights)

Receptor Information

Number of Receptors	362
Receptor Height =	4.6 meters
Receptor spacing =	variable, at residential locations

Meteorological Conditions

San Jose Airport BAAQMD Hourly Data	2013-2017
Land Use Classification	Urban
Wind speed =	variable
Wind direction =	variable

MEI Maximum Concentrations

Emission Period	DPM Concentration ($\mu g/m^3$)
2024 - Construction	0.0260
2025 - Construction	0.02425
2026 - Construction	0.02063
2027 - Construction	0.00266

681 E Trimble/Seeley Residential, San Jose - Construction Impacts
Maximum DPM Cancer Risk Calculations From Construction - Unmitigated
Off-Site Residential Receptors, 1st Floor (1.5 meter receptor heights)
Residential Exposure (30-year)

Cancer Risk Calculation Method

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)

10^{-6} = Conversion factor

Values

Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$

TAC	CPF
DPM	1.10E+00

	Infant/Child			Adult
Age -->	3rd Trimester	0 - <2	2 - 16	16 - 70
Parameter				
ASF	10	10	3	1
DBR* =	361	1090	572	261
A =	1	1	1	1
EF =	350	350	350	350
AT =	70	70	70	70
FAH =	1.00	1.00	1.00	0.73

* 95th percentile breathing rates for infants and 80th percentile for children and adults

Construction Cancer Risk by Year - Maximum Impact Receptor Location

				Maximum - Exposure Information			Maximum	
Exposure Year	Year	Exposure Duration (years)	Age	Age Sensitivity Factor	Annual DPM Conc. (ug/m3)	DPM Cancer Risk (per million)	Hazard Index	Total PM2.5
3rd Trimester	2024	0.25	-0.25 - 0*	10	0.0270	0.37	-	-
1	2024	1	1	10	0.0270	4.43	0.0054	**0.035**
2	2025	1	2	10	0.0253	4.15	0.0051	0.029
3	2026	1	3	3	0.0215	0.56	0.0043	0.025
4	2027	1	4	3	0.0028	0.07	0.0006	0.015
5	2028	1	5	3	0.0000	0.00		
6	2029	1	6	3	0.0000	0.00		
7	2030	1	7	3	0.0000	0.00		
8	2031	1	8	3	0.0000	0.00		
9	2032	1	9	3	0.0000	0.00		
10	2033	1	10	3	0.0000	0.00		
11	2034	1	11	3	0.0000	0.00		
12	2035	1	12	3	0.0000	0.00		
13	2036	1	13	3	0.0000	0.00		
14	2037	1	14	3	0.0000	0.00		
15	2038	1	15	3	0.0000	0.00		
16	2039	1	16	3	0.0000	0.00		
17	2040	1	17	1	0.0000	0.000		
18	2041	1	18	1	0.0000	0.000		
19	2042	1	19	1	0.0000	0.000		
20	2043	1	20	1	0.0000	0.000		
21	2044	1	21	1	0.0000	0.000		
22	2045	1	22	1	0.0000	0.000		
23	2046	1	23	1	0.0000	0.000		
24	2047	1	24	1	0.0000	0.000		
25	2048	1	25	1	0.0000	0.000		
26	2049	1	26	1	0.0000	0.000		
27	2050	1	27	1	0.0000	0.000		
28	2051	1	28	1	0.0000	0.000		
29	2052	1	29	1	0.0000	0.000		
30	2053	1	30	1	0.0000	0.000		
Total Increased Cancer Risk						**9.58**		

* Third trimester of pregnancy

681 E Trimble/Seeley Residential, San Jose - Construction Impacts
Maximum DPM Cancer Risk Calculations From Construction - Unmitigated
Off-Site Residential Receptors, 2nd Floor (4.6 meter receptor heights)
Residential Exposure (30-year)

Cancer Risk Calculation Method

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)

10^{-6} = Conversion factor

Values

Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$

TAC	CPF
DPM	1.10E+00

	Infant/Child			Adult
Age -->	3rd Trimester	0 - <2	2 - 16	16 - 70
Parameter				
ASF	10	10	3	1
DBR* =	361	1090	572	261
A =	1	1	1	1
EF =	350	350	350	350
AT =	70	70	70	70
FAH =	1.00	1.00	1.00	0.73

* 95th percentile breathing rates for infants and 80th percentile for children and adults

Construction Cancer Risk by Year - Maximum Impact Receptor Location

				Maximum - Exposure Information			Maximum	
Exposure Year	Year	Exposure Duration (years)	Age	Age Sensitivity Factor	Annual DPM Conc. (ug/m3)	DPM Cancer Risk (per million)	Hazard Index	Total PM2.5
3rd Trimester	2024	0.25	-0.25 - 0*	10	0.0260	0.35	-	-
1	2024	1	1	10	0.0260	4.28	0.0052	**0.032**
2	2025	1	2	10	0.0243	3.98	0.0049	0.027
3	2026	1	3	3	0.0206	0.53	0.0041	0.023
4	2027	1	4	3	0.0027	0.07	0.0005	0.014
5	2028	1	5	3	0.0000	0.00		
6	2029	1	6	3	0.0000	0.00		
7	2030	1	7	3	0.0000	0.00		
8	2031	1	8	3	0.0000	0.00		
9	2032	1	9	3	0.0000	0.00		
10	2033	1	10	3	0.0000	0.00		
11	2034	1	11	3	0.0000	0.00		
12	2035	1	12	3	0.0000	0.00		
13	2036	1	13	3	0.0000	0.00		
14	2037	1	14	3	0.0000	0.00		
15	2038	1	15	3	0.0000	0.00		
16	2039	1	16	3	0.0000	0.00		
17	2040	1	17	1	0.0000	0.000		
18	2041	1	18	1	0.0000	0.000		
19	2042	1	19	1	0.0000	0.000		
20	2043	1	20	1	0.0000	0.000		
21	2044	1	21	1	0.0000	0.000		
22	2045	1	22	1	0.0000	0.000		
23	2046	1	23	1	0.0000	0.000		
24	2047	1	24	1	0.0000	0.000		
25	2048	1	25	1	0.0000	0.000		
26	2049	1	26	1	0.0000	0.000		
27	2050	1	27	1	0.0000	0.000		
28	2051	1	28	1	0.0000	0.000		
29	2052	1	29	1	0.0000	0.000		
30	2053	1	30	1	0.0000	0.000		
Total Increased Cancer Risk						**9.21**		

* Third trimester of pregnancy

681 E Trimble/Seeley-Construction DPM/PM2.5 Modeling Information
AERMOD Risk Modeling Parameters and Maximum Concentrations
Construction Impacts - Mitigated Emissions
Off-Site Residential Receptors, 1st Floor (1.5 meter receptor heights)

Receptor Information

Number of Receptors	362
Receptor Height =	1.5 meters
Receptor spacing =	variable, at residential locations

Meteorological Conditions

San Jose Airport BAAQMD Hourly Data	2013-2017
Land Use Classification	Urban
Wind speed =	variable
Wind direction =	variable

MEI Maximum Concentrations

Emission Period	DPM Concentration ($\mu g/m^3$)
2024 - Construction	0.00388
2025 - Construction	0.00405
2026 - Construction	0.00348
2027 - Construction	0.00050

681 E Trimble/Seeley Residential, San Jose - Construction Impacts
Maximum DPM Cancer Risk Calculations From Construction - Mitigated
Off-Site Residential Receptors, 1st Floor (1.5 meter receptor heights)
Residential Exposure (30-year)

Cancer Risk Calculation Method

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)

10^{-6} = Conversion factor

Values

Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$

TAC	CPF
DPM	1.10E+00

	Infant/Child			Adult
Age -->	3rd Trimester	0 - <2	2 - 16	16 - 70
Parameter				
ASF	10	10	3	1
DBR* =	361	1090	572	261
A =	1	1	1	1
EF =	350	350	350	350
AT =	70	70	70	70
FAH =	1.00	1.00	1.00	0.73

* 95th percentile breathing rates for infants and 80th percentile for children and adults

Construction Cancer Risk by Year - Maximum Impact Receptor Location

				Maximum - Exposure Information			Maximum	
Exposure Year	Year	Exposure Duration (years)	Age	Age Sensitivity Factor	Annual DPM Conc. (ug/m3)	DPM Cancer Risk (per million)	Hazard Index	Total PM2.5
3rd Trimester	2024	0.25	-0.25 - 0*	10	0.0039	0.05	-	-
1	2024	1	1	10	0.0039	0.64	0.0008	**0.009**
2	2025	1	2	10	0.0041	0.67	0.0008	0.008
3	2026	1	3	3	0.0035	0.09	0.0007	0.007
4	2027	1	4	3	0.0005	0.01	0.0001	0.004
5	2028	1	5	3	0.0000	0.00		
6	2029	1	6	3	0.0000	0.00		
7	2030	1	7	3	0.0000	0.00		
8	2031	1	8	3	0.0000	0.00		
9	2032	1	9	3	0.0000	0.00		
10	2033	1	10	3	0.0000	0.00		
11	2034	1	11	3	0.0000	0.00		
12	2035	1	12	3	0.0000	0.00		
13	2036	1	13	3	0.0000	0.00		
14	2037	1	14	3	0.0000	0.00		
15	2038	1	15	3	0.0000	0.00		
16	2039	1	16	3	0.0000	0.00		
17	2040	1	17	1	0.0000	0.000		
18	2041	1	18	1	0.0000	0.000		
19	2042	1	19	1	0.0000	0.000		
20	2043	1	20	1	0.0000	0.000		
21	2044	1	21	1	0.0000	0.000		
22	2045	1	22	1	0.0000	0.000		
23	2046	1	23	1	0.0000	0.000		
24	2047	1	24	1	0.0000	0.000		
25	2048	1	25	1	0.0000	0.000		
26	2049	1	26	1	0.0000	0.000		
27	2050	1	27	1	0.0000	0.000		
28	2051	1	28	1	0.0000	0.000		
29	2052	1	29	1	0.0000	0.000		
30	2053	1	30	1	0.0000	0.000		
Total Increased Cancer Risk						**1.46**		

* Third trimester of pregnancy

File Name:	Santa Clara (SF) - 2028 - Annual-BAAQMD Trucks.EF
CT-EMFAC2017 Version:	1.0.2.27401
Run Date:	7/11/2022 17:38
Area:	Santa Clara (SF)
Analysis Year:	2028
Season:	Annual

===

Vehicle Category	VMT Fraction Across Category	Diesel VMT Fraction Within Category	Gas VMT Fraction Within Category
Truck 1	0.015	0.517	0.483
Truck 2	0.02	0.933	0.05
Non-Truck	0.965	0.015	0.945

===

Road Type:	Major/Collector	
Silt Loading Factor:	CARB	0.032 g/m2
Precipitation Correction:	CARB	P = 64 days N = 365 days

===

Fleet Average Running Exhaust Emission Factors (grams/veh-mile)

Pollutant Name	<= 5 mph	10 mph	15 mph	20 mph	25 mph	30 mph	35 mph	40 mph	45 mph	50 mph	55 mph
PM2.5	0.007245	0.0047	0.003191	0.002285	0.001735	0.001403	0.00121	0.001113	0.001088	0.001124	0.001215
TOG	0.150483	0.098844	0.066333	0.046902	0.035558	0.028458	0.023905	0.021059	0.019449	0.018833	0.01913
Diesel PM	0.000638	0.000541	0.000429	0.000349	0.000305	0.000289	0.000295	0.000321	0.000366	0.000429	0.00051
DEOG	0.011709	0.008473	0.004414	0.002154	0.001483	0.001172	0.000963	0.000822	0.000734	0.00069	0.000684

===

Fleet Average Running Loss Emission Factors (grams/veh-hour)

Pollutant Name	Emission Factor
TOG	1.12594

===

Fleet Average Tire Wear Factors (grams/veh-mile)

Pollutant Name	Emission Factor
PM2.5	0.002109

===

Fleet Average Brake Wear Factors (grams/veh-mile)

Pollutant Name	Emission Factor
PM2.5	0.016793

===

Fleet Average Road Dust Factors (grams/veh-mile)

Pollutant Name	Emission Factor
PM2.5	0.014805

============================END=====================================

681 E Seely, San Jose, CA - Roadway Modeling

Seely Avenue - Project Traffic

DPM Modeling - Roadway Links, Traffic Volumes, and DPM Emissions

Year = 2028

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
DPM_SELY	Seely Avenue	NW-SE	2	645	0.40	7.3	24.0	3.4	30	7,800

Emission Factors - DPM

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle (g/VMT)	0.00031			

Emisson Factors from CT-EMFAC2017

2028 Hourly Traffic Volumes and DPM Emissions - DPM_SELY

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	3.96%	309	1.05E-05	9	6.46%	504	1.71E-05	17	5.61%	438	1.49E-05
2	2.66%	207	7.04E-06	10	7.36%	574	1.95E-05	18	3.24%	253	8.59E-06
3	2.88%	225	7.64E-06	11	6.40%	499	1.70E-05	19	2.22%	173	5.87E-06
4	3.28%	256	8.69E-06	12	6.97%	543	1.85E-05	20	0.86%	67	2.27E-06
5	2.09%	163	5.55E-06	13	6.23%	486	1.65E-05	21	3.06%	239	8.12E-06
6	3.34%	260	8.84E-06	14	6.17%	482	1.64E-05	22	4.25%	332	1.13E-05
7	6.06%	473	1.61E-05	15	5.10%	398	1.35E-05	23	2.55%	199	6.75E-06
8	4.54%	354	1.20E-05	16	3.86%	301	1.02E-05	24	0.85%	66	2.25E-06
								Total		7,800	

681 E Seely, San Jose, CA - Roadway Modeling

Seely Avenue - Project Traffic

DPM Modeling - Roadway Links, Traffic Volumes, and DPM Emissions

Year = 2028

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
DPM_SELY	Seely Avenue	NW-SE	2	645	0.40	7.3	24.0	3.4	30	7,800

Emission Factors - DPM

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle (g/VMT)	0.00031			

Emisson Factors from CT-EMFAC2017

2028 Hourly Traffic Volumes and DPM Emissions - DPM_SELY

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	3.96%	309	1.05E-05	9	6.46%	504	1.71E-05	17	5.61%	438	1.49E-05
2	2.66%	207	7.04E-06	10	7.36%	574	1.95E-05	18	3.24%	253	8.59E-06
3	2.88%	225	7.64E-06	11	6.40%	499	1.70E-05	19	2.22%	173	5.87E-06
4	3.28%	256	8.69E-06	12	6.97%	543	1.85E-05	20	0.86%	67	2.27E-06
5	2.09%	163	5.55E-06	13	6.23%	486	1.65E-05	21	3.06%	239	8.12E-06
6	3.34%	260	8.84E-06	14	6.17%	482	1.64E-05	22	4.25%	332	1.13E-05
7	6.06%	473	1.61E-05	15	5.10%	398	1.35E-05	23	2.55%	199	6.75E-06
8	4.54%	354	1.20E-05	16	3.86%	301	1.02E-05	24	0.85%	66	2.25E-06
								Total		7,800	

681 E Seely, San Jose, CA - Roadway Modeling
Seely Avenue - Project Traffic
PM2.5 Modeling - Roadway Links, Traffic Volumes, and PM2.5 Emissions
Year = 2028

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
PM25_SELY	Seely Avenue	NW-SE	2	645	0.40	7.3	24	1.3	30	7,800

Emission Factors - PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle (g/VMT)	0.001735			

Emisson Factors from CT-EMFAC2017

2028 Hourly Traffic Volumes and PM2.5 Emissions - PM25_SELY

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.15%	90	1.73E-05	9	7.11%	555	1.07E-04	17	7.39%	577	1.11E-04
2	0.42%	33	6.30E-06	10	4.39%	342	6.61E-05	18	8.18%	638	1.23E-04
3	0.40%	32	6.10E-06	11	4.66%	364	7.03E-05	19	5.70%	445	8.59E-05
4	0.26%	20	3.92E-06	12	5.89%	459	8.88E-05	20	4.27%	333	6.44E-05
5	0.49%	38	7.42E-06	13	6.15%	480	9.28E-05	21	3.25%	254	4.91E-05
6	0.90%	70	1.36E-05	14	6.04%	471	9.10E-05	22	3.30%	257	4.98E-05
7	3.79%	295	5.71E-05	15	7.01%	547	1.06E-04	23	2.46%	192	3.71E-05
8	7.76%	605	1.17E-04	16	7.14%	557	1.08E-04	24	1.87%	146	2.81E-05
								Total		7,800	

681 E Seely, San Jose, CA - Roadway Modeling
Seely Avenue - Project Traffic
TOG Exhaust Modeling - Roadway Links, Traffic Volumes, and TOG Exhaust Emissions
Year = 2028

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
TEXH_SELY	Seely Avenue	NW-SE	2	645	0.40	7.3	24	1.3	30	7,800

Emission Factors - TOG Exhaust

Speed Category	1	2	3	4
Travel Speed (mph)	25			
All Vehicles TOG Emissions per Vehicle (g/VMT)	0.03556			
Diesel Vehicles TOG Emissions per Vehicle (g/VMT)	0.00148			
Gasoline Vehicles Emissions per Vehicle (g/VMT)	0.03408			

Emisson Factors from CT-EMFAC2017

2028 Hourly Traffic Volumes and TOG Exhaust Emissions - TEXH_SELY

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.15%	90	3.40E-04	9	7.11%	555	2.11E-03	17	7.39%	577	2.19E-03
2	0.42%	33	1.24E-04	10	4.39%	342	1.30E-03	18	8.18%	638	2.42E-03
3	0.40%	32	1.20E-04	11	4.66%	364	1.38E-03	19	5.70%	445	1.69E-03
4	0.26%	20	7.70E-05	12	5.89%	459	1.74E-03	20	4.27%	333	1.27E-03
5	0.49%	38	1.46E-04	13	6.15%	480	1.82E-03	21	3.25%	254	9.64E-04
6	0.90%	70	2.67E-04	14	6.04%	471	1.79E-03	22	3.30%	257	9.77E-04
7	3.79%	295	1.12E-03	15	7.01%	547	2.08E-03	23	2.46%	192	7.29E-04
8	7.76%	605	2.30E-03	16	7.14%	557	2.11E-03	24	1.87%	146	5.52E-04
								Total		7,800	

681 E Seely, San Jose, CA - Roadway Modeling
Seely Avenue - Project Traffic
TOG Evaporative Emissions Modeling - Roadway Links, Traffic Volumes, and TOG Evaporative Emissions
Year = 2028

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
TEVAP_SELY	Seely Avenue	NW-SE	2	645	0.40	7.3	24	1.3	30	7,800

Emission Factors - PM2.5 - Evaporative TOG

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle per Hour (g/hour)	1.12594			
Emissions per Vehicle per Mile (g/VMT)	0.04504			

Emisson Factors from CT-EMFAC2017

2028 Hourly Traffic Volumes and TOG Evaporative Emissions - TEVAP_SELY

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.15%	90	4.50E-04	9	7.11%	555	2.78E-03	17	7.39%	577	2.89E-03
2	0.42%	33	1.63E-04	10	4.39%	342	1.72E-03	18	8.18%	638	3.20E-03
3	0.40%	32	1.58E-04	11	4.66%	364	1.83E-03	19	5.70%	445	2.23E-03
4	0.26%	20	1.02E-04	12	5.89%	459	2.30E-03	20	4.27%	333	1.67E-03
5	0.49%	38	1.93E-04	13	6.15%	480	2.41E-03	21	3.25%	254	1.27E-03
6	0.90%	70	3.52E-04	14	6.04%	471	2.36E-03	22	3.30%	257	1.29E-03
7	3.79%	295	1.48E-03	15	7.01%	547	2.74E-03	23	2.46%	192	9.63E-04
8	7.76%	605	3.04E-03	16	7.14%	557	2.80E-03	24	1.87%	146	7.30E-04
								Total		7,800	

681 E Seely, San Jose, CA - Roadway Modeling
Seely Avenue - Project Traffic
Fugitive Road PM2.5 Modeling - Roadway Links, Traffic Volumes, and Fugitive Road PM2.5 Emissions
Year = 2028

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
FUG_SELY	Seely Avenue	NW-SE	2	645	0.40	7.3	24	1.3	30	7,800

Emission Factors - Fugitive PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Tire Wear - Emissions per Vehicle (g/VMT)	0.00211			
Brake Wear - Emissions per Vehicle (g/VMT)	0.01679			
Road Dust - Emissions per Vehicle (g/VMT)	0.01481			
Total Fugitive PM2.5 - Emissions per Vehicle (g/VMT)	0.03371			

Emisson Factors from CT-EMFAC2017

2028 Hourly Traffic Volumes and Fugitive PM2.5 Emissions - FUG_SELY

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.15%	90	3.37E-04	9	7.11%	555	2.08E-03	17	7.39%	577	2.16E-03
2	0.42%	33	1.22E-04	10	4.39%	342	1.28E-03	18	8.18%	638	2.40E-03
3	0.40%	32	1.19E-04	11	4.66%	364	1.37E-03	19	5.70%	445	1.67E-03
4	0.26%	20	7.61E-05	12	5.89%	459	1.72E-03	20	4.27%	333	1.25E-03
5	0.49%	38	1.44E-04	13	6.15%	480	1.80E-03	21	3.25%	254	9.53E-04
6	0.90%	70	2.64E-04	14	6.04%	471	1.77E-03	22	3.30%	257	9.67E-04
7	3.79%	295	1.11E-03	15	7.01%	547	2.05E-03	23	2.46%	192	7.21E-04
8	7.76%	605	2.27E-03	16	7.14%	557	2.09E-03	24	1.87%	146	5.47E-04
								Total		7,800	

681 E Trimble/Seeley Residential - Construction & Operation Sources - TACs & PM2.5
AERMOD Risk Modeling Parameters and Maximum Concentrations
Maximum Cancer Risk Calculations for Project Construction and Operation- Unmitigated
Off-Site Residential Receptors - 1.5 meter Receptor Heights

Receptor Information

Number of Receptors	362
Receptor Height =	1st floor level
Receptor distances =	at sensitive residential receptor locations

Meteorological Conditions

BAAQMD San Jose Airport	2013-2017
Land Use Classification	urban
Wind speed =	variable
Wind direction =	variable

Off-Site MEI Maximum Concentrations

Emission Years	Concentration (µg/m^3) DPM	Exhaust TOG	Evaporative TOG
2024 - Construction	0.02699	0.0000	0.0000
2025 - Construction	0.02529	0.0000	0.0000
2026 - Construction	0.02147	0.0000	0.0000
2027 - Construction	0.00278	0.0000	0.0000
2028-2053 - Roads	0.00005	0.0042	0.0056

Emission Year	Maximum Total PM2.5 Concentration (µg/m3)*
2028-2053	0.14

* Maximum PM2.5 concetration from project traffic

681 E Trimble/Seeley Residential, San Jose - Project Impacts

Maximum Cancer Risk Calculations for Project Construction and Operation- Unmitigated
Off-Site Residential Receptors - 1.5 meter Receptor Heights
Residential Exposure (30-year)

Cancer Risk Calculation Method

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)
10^{-6} = Conversion factor

Values

Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$

TAC	CPF
DPM	1.10E+00
Vehicle TOG Exhaust	6.28E-03
Vehicle TOG Evaporative	3.70E-04

	Infant/Child			Adult
Age --> Parameter	3rd Trimester	0 - <2	2 - <16	16 - 30
ASF	10	10	3	1
DBR* =	361	1090	572	261
A =	1	1	1	1
EF =	350	350	350	350
ED =	0.25	2	14	14
AT =	70	70	70	70
FAH =	1.00	1.00	1.00	0.73

* 95th percentile breathing rates for infants and 80th percentile for children and adults

Road Traffic Cancer Risk by Year - Maximum Impact Receptor Location

				Maximum - Exposure Information							
		Exposure		Age	Annual TAC Conc (ug/m3)			Cancer Risk (per million)			
Exposure		Duration		Sensitivity		Exhaust	Evaporative		Exhaust	Evaporative	
Year	Year	(years)	Age	Factor	DPM	TOG	TOG	DPM	TOG	TOG	Total
3rd Trimester	2024	0.25	-0.25 - 0*	10	0.0270	0.0000	0.0000	0.367	0.0000	0.0000	0.37
1	2024	1	1	10	0.0270	0.0000	0.0000	4.43	0.0000	0.0000	4.43
2	2025	1	2	10	0.0253	0.0000	0.0000	4.15	0.0000	0.0000	4.154
3	2026	1	3	3	0.0215	0.0000	0.0000	0.56	0.0000	0.0000	0.555
4	2027	1	4	3	0.0028	0.0000	0.0000	0.07	0.0000	0.0000	0.072
5	2028	1	5	3	0.0001	0.0042	0.0056	0.00	0.0006	0.0000	0.002
6	2029	1	6	3	0.0001	0.0042	0.0056	0.00	0.0006	0.0000	0.002
7	2030	1	7	3	0.0001	0.0042	0.0056	0.00	0.0006	0.0000	0.002
8	2031	1	8	3	0.0001	0.0042	0.0056	0.00	0.0006	0.0000	0.002
9	2032	1	9	3	0.0001	0.0042	0.0056	0.00	0.0006	0.0000	0.002
10	2033	1	10	3	0.0001	0.0042	0.0056	0.00	0.0006	0.0000	0.002
11	2034	1	11	3	0.0001	0.0042	0.0056	0.00	0.0006	0.0000	0.002
12	2035	1	12	3	0.0001	0.0042	0.0056	0.00	0.0006	0.0000	0.002
13	2036	1	13	3	0.0001	0.0042	0.0056	0.00	0.0006	0.0000	0.002
14	2037	1	14	3	0.0001	0.0042	0.0056	0.00	0.0006	0.0000	0.002
15	2038	1	15	3	0.0001	0.0042	0.0056	0.00	0.0006	0.0000	0.002
16	2039	1	16	3	0.0001	0.0042	0.0056	0.00	0.0006	0.0000	0.002
17	2040	1	17	1	0.0001	0.0042	0.0056	0.000	0.0001	0.0000	0.000
18	2041	1	18	1	0.0001	0.0042	0.0056	0.000	0.0001	0.0000	0.000
19	2042	1	19	1	0.0001	0.0042	0.0056	0.000	0.0001	0.0000	0.000
20	2043	1	20	1	0.0001	0.0042	0.0056	0.000	0.0001	0.0000	0.000
21	2044	1	21	1	0.0001	0.0042	0.0056	0.000	0.0001	0.0000	0.000
22	2045	1	22	1	0.0001	0.0042	0.0056	0.000	0.0001	0.0000	0.000
23	2046	1	23	1	0.0001	0.0042	0.0056	0.000	0.0001	0.0000	0.000
24	2047	1	24	1	0.0001	0.0042	0.0056	0.000	0.0001	0.0000	0.000
25	2048	1	25	1	0.0001	0.0042	0.0056	0.000	0.0001	0.0000	0.000
26	2049	1	26	1	0.0001	0.0042	0.0056	0.000	0.0001	0.0000	0.000
27	2050	1	27	1	0.0001	0.0042	0.0056	0.000	0.0001	0.0000	0.000
28	2051	1	28	1	0.0001	0.0042	0.0056	0.000	0.0001	0.0000	0.000
29	2052	1	29	1	0.0001	0.0042	0.0056	0.000	0.0001	0.0000	0.000
30	2053	1	30	1	0.0001	0.0042	0.0056	0.000	0.0001	0.0000	0.000
Total Increased Cancer Risk								9.5984	0.0084	0.0007	**9.61**

* Third trimester of pregnancy

681 E Trimble/Seeley Residential, San Jose - Project Impacts
Cancer Risk Calculations for Project Construction and Operation- Unmitigated
at Off-Site Residential Receptors

Exposure Types and Durations (years) for Cancer Risk Calculations - Project Impac

Year(s) ->	2024	2025	2026	2027	2028-2053
Duration ->	1	1	1	1	25
Activity ->	Construct	Construct	Construct	Construct	Local Roads- Project Traffic
Exposure Type					
3rd Trimester (10)	0.25	0	0	0	0
Infant (10)	1	1	0	0	0
Child (3)	0	0	1	1	12
Adult (1)	0	0	0	0	14

	Receptor Coordinates			2024	2025	2026	2027	2028-2053			2024	2025	2026	2027		2028-2053			Local	Total - Cancer Risk		
				Construction				Local Roads- Project Traffic			Construction Cancer Risk (per million)				Total Construction	Local Roads- Project Traffic Cancer Risk (per million)			Roads Cancer	Cancer Risk (per million)		
Receptor No.	UTM-X (m)	UTM-Y (m)	Description	DPM	DPM	DPM	DPM	DPM	Exh TOG	Evap TOG	Risk	Risk	Risk	Risk	Risk	DPM	Exh TOG	Evap TOG	Risk	Construction	Roads	TOTAL
1	595442.62	4139683.23	Offsite-1.5m	0.00684	0.00843	0.00689	0.00683	0.00068	0.07930	0.10509	1.21647	1.38460	0.17816	0.17661	2.956	0.23833	0.15870	0.01240	0.40944	2.956	0.409	3.365
2	595448.64	4139677.96	Offsite-1.5m	0.00699	0.00859	0.00709	0.00711	0.00073	0.08828	0.11699	1.24314	1.41088	0.18333	0.18385	3.021	0.25585	0.17668	0.01381	0.44634	3.021	0.446	3.468
3	595454.65	4139672.68	Offsite-1.5m	0.00715	0.00876	0.00731	0.00741	0.00079	0.09692	0.12844	1.27160	1.43880	0.18902	0.19160	3.091	0.27688	0.19397	0.01516	0.48601	3.091	0.486	3.577
4	595460.67	4139667.41	Offsite-1.5m	0.00731	0.00894	0.00754	0.00774	0.00083	0.10453	0.13852	1.30005	1.46836	0.19497	0.20014	3.164	0.29090	0.20920	0.01635	0.51645	3.164	0.516	3.680
5	595466.68	4139662.13	Offsite-1.5m	0.00748	0.00912	0.00778	0.00808	0.00087	0.11110	0.14724	1.33029	1.49793	0.20117	0.20893	3.238	0.30492	0.22235	0.01738	0.54465	3.238	0.545	3.783
6	595472.70	4139656.86	Offsite-1.5m	0.00766	0.00930	0.00804	0.00845	0.00091	0.11655	0.15445	1.36230	1.52749	0.20789	0.21850	3.316	0.31894	0.23325	0.01823	0.57042	3.316	0.570	3.887
7	595484.73	4139646.31	Offsite-1.5m	0.00803	0.00968	0.00860	0.00927	0.00096	0.12494	0.16556	1.42810	1.58991	0.22237	0.23970	3.480	0.33647	0.25004	0.01954	0.60605	3.480	0.606	4.086
8	595490.74	4139641.03	Offsite-1.5m	0.00823	0.00988	0.00890	0.00972	0.00098	0.12816	0.16984	1.46367	1.62276	0.23013	0.25134	3.568	0.34347	0.25649	0.02005	0.62001	3.568	0.620	4.188
9	595496.75	4139635.76	Offsite-1.5m	0.00844	0.01008	0.00922	0.01020	0.00100	0.13082	0.17336	1.50102	1.65561	0.23841	0.26375	3.659	0.35048	0.26181	0.02046	0.63276	3.659	0.633	4.292
10	595502.77	4139630.48	Offsite-1.5m	0.00865	0.01029	0.00957	0.01072	0.00101	0.13305	0.17632	1.53837	1.69010	0.24746	0.27719	3.753	0.35399	0.26627	0.02081	0.64108	3.753	0.641	4.394
11	595508.78	4139625.21	Offsite-1.5m	0.00888	0.01051	0.00994	0.01129	0.00102	0.13493	0.17880	1.57927	1.72623	0.25702	0.29193	3.854	0.35749	0.27004	0.02110	0.64864	3.854	0.649	4.503
12	595514.80	4139619.93	Offsite-1.5m	0.00912	0.01073	0.01033	0.01189	0.00104	0.13651	0.18090	1.62195	1.76237	0.26711	0.30745	3.959	0.36450	0.27320	0.02135	0.65905	3.959	0.659	4.618
13	595520.81	4139614.66	Offsite-1.5m	0.00937	0.01095	0.01075	0.01255	0.00104	0.13784	0.18266	1.66642	1.79850	0.27797	0.32451	4.067	0.36450	0.27586	0.02156	0.66192	4.067	0.662	4.729
14	595447.90	4139689.25	Offsite-1.5m	0.00706	0.00869	0.00701	0.00691	0.00052	0.05492	0.07277	1.25559	1.42730	0.18126	0.17868	3.043	0.18225	0.10991	0.00859	0.30075	3.043	0.301	3.344
15	595453.91	4139683.97	Offsite-1.5m	0.00723	0.00887	0.00722	0.00721	0.00055	0.05963	0.07902	1.28583	1.45687	0.18669	0.18643	3.116	0.19277	0.11934	0.00933	0.32143	3.116	0.321	3.437
16	595459.93	4139678.70	Offsite-1.5m	0.00739	0.00905	0.00745	0.00752	0.00058	0.06449	0.08546	1.31428	1.48643	0.19264	0.19445	3.188	0.20328	0.12906	0.01009	0.34243	3.188	0.342	3.530
17	595465.94	4139673.42	Offsite-1.5m	0.00757	0.00924	0.00769	0.00786	0.00062	0.06939	0.09195	1.34629	1.51764	0.19884	0.20324	3.266	0.21730	0.13887	0.01085	0.36702	3.266	0.367	3.633
18	595471.96	4139668.15	Offsite-1.5m	0.00775	0.00943	0.00794	0.00822	0.00065	0.07401	0.09808	1.37831	1.54885	0.20531	0.21255	3.345	0.22781	0.14812	0.01158	0.38751	3.345	0.388	3.733
19	595477.97	4139662.87	Offsite-1.5m	0.00794	0.00963	0.00820	0.00860	0.00067	0.07832	0.10378	1.41210	1.58169	0.21203	0.22237	3.428	0.23482	0.15674	0.01225	0.40382	3.428	0.404	3.832
20	595490.00	4139652.32	Offsite-1.5m	0.00834	0.01004	0.00878	0.00946	0.00072	0.08557	0.11339	1.48323	1.64904	0.22703	0.24461	3.604	0.25235	0.17125	0.01338	0.43698	3.604	0.437	4.041
21	595496.01	4139647.05	Offsite-1.5m	0.00856	0.01026	0.00910	0.00993	0.00074	0.08855	0.11735	1.52236	1.68517	0.23530	0.25677	3.700	0.25936	0.17722	0.01385	0.45043	3.700	0.450	4.150
22	595502.03	4139641.77	Offsite-1.5m	0.00878	0.01048	0.00944	0.01044	0.00076	0.09118	0.12083	1.56149	1.72130	0.24410	0.26995	3.797	0.26637	0.18248	0.01426	0.46311	3.797	0.463	4.260
23	595508.04	4139636.50	Offsite-1.5m	0.00901	0.01070	0.00980	0.01099	0.00077	0.09346	0.12385	1.60239	1.75744	0.25340	0.28417	3.897	0.26987	0.18704	0.01462	0.47153	3.897	0.472	4.369
24	595514.06	4139631.22	Offsite-1.5m	0.00926	0.01094	0.01019	0.01159	0.00078	0.09546	0.12651	1.64685	1.79686	0.26349	0.29969	4.007	0.27338	0.19105	0.01493	0.47936	4.007	0.479	4.486
25	595520.07	4139625.95	Offsite-1.5m	0.00952	0.01118	0.01060	0.01224	0.00079	0.09720	0.12881	1.69309	1.83628	0.27409	0.31650	4.120	0.27688	0.19453	0.01520	0.48661	4.120	0.487	4.607
26	595526.09	4139620.67	Offsite-1.5m	0.00979	0.01143	0.01105	0.01294	0.00080	0.09873	0.13084	1.74111	1.87734	0.28573	0.33460	4.239	0.28039	0.19759	0.01544	0.49342	4.239	0.493	4.732
27	595453.17	4139695.26	Offsite-1.5m	0.00728	0.00894	0.00711	0.00697	0.00042	0.04177	0.05535	1.29472	1.46836	0.18385	0.18023	3.127	0.14720	0.08359	0.00653	0.23733	3.127	0.237	3.364
28	595459.19	4139689.99	Offsite-1.5m	0.00745	0.00913	0.00733	0.00727	0.00044	0.04462	0.05913	1.32495	1.49957	0.18954	0.18798	3.202	0.15421	0.08930	0.00698	0.25049	3.202	0.250	3.453
29	595465.20	4139684.71	Offsite-1.5m	0.00763	0.00933	0.00757	0.00759	0.00046	0.04754	0.06300	1.35696	1.53242	0.19574	0.19626	3.281	0.16122	0.09514	0.00744	0.26380	3.281	0.264	3.545
30	595471.22	4139679.44	Offsite-1.5m	0.00782	0.00953	0.00781	0.00794	0.00048	0.05054	0.06697	1.39075	1.56527	0.20195	0.20531	3.363	0.16823	0.10115	0.00790	0.27728	3.363	0.277	3.641
31	595477.23	4139674.16	Offsite-1.5m	0.00801	0.00974	0.00807	0.00831	0.00050	0.05360	0.07103	1.42455	1.59976	0.20867	0.21488	3.448	0.17524	0.10727	0.00838	0.29090	3.448	0.291	3.739
32	595483.25	4139668.89	Offsite-1.5m	0.00822	0.00995	0.00835	0.00871	0.00052	0.05660	0.07501	1.46189	1.63425	0.21591	0.22522	3.537	0.18225	0.11327	0.00885	0.30438	3.537	0.304	3.842
33	595495.27	4139658.34	Offsite-1.5m	0.00864	0.01040	0.00895	0.00959	0.00056	0.06223	0.08247	1.53659	1.70816	0.23142	0.24797	3.724	0.19627	0.12454	0.00973	0.33055	3.724	0.331	4.055
34	595501.29	4139653.06	Offsite-1.5m	0.00887	0.01063	0.00928	0.01008	0.00058	0.06475	0.08580	1.57749	1.74594	0.23996	0.26064	3.824	0.20328	0.12959	0.01013	0.34299	3.824	0.343	4.167
35	595507.30	4139647.79	Offsite-1.5m	0.00911	0.01087	0.00963	0.01061	0.00059	0.06704	0.08884	1.62018	1.78536	0.24901	0.27435	3.929	0.20679	0.13417	0.01049	0.35144	3.929	0.351	4.280
36	595513.32	4139642.51	Offsite-1.5m	0.00937	0.01112	0.01000	0.01119	0.00061	0.06913	0.09161	1.66642	1.82642	0.25858	0.28935	4.041	0.21380	0.13835	0.01081	0.36296	4.041	0.363	4.404
37	595519.33	4139637.24	Offsite-1.5m	0.00963	0.01137	0.01041	0.01181	0.00062	0.07101	0.09410	1.71266	1.86748	0.26918	0.30538	4.155	0.21730	0.14211	0.01111	0.37052	4.155	0.371	4.525
38	595525.35	4139631.96	Offsite-1.5m	0.00991	0.01163	0.01084	0.01249	0.00063	0.07270	0.09634	1.76245	1.91019	0.28030	0.32296	4.276	0.22081	0.14550	0.01137	0.37767	4.276	0.378	4.654
39	595531.36	4139626.69	Offsite-1.5m	0.01020	0.01190	0.01130	0.01323	0.00064	0.07422	0.09835	1.81403	1.95453	0.29219	0.34210	4.403	0.22431	0.14854	0.01161	0.38446	4.403	0.384	4.787
40	595458.45	4139701.28	Offsite-1.5m	0.00749	0.00919	0.00720	0.00699	0.00035	0.03351	0.04441	1.33207	1.50943	0.18617	0.18074	3.208	0.12267	0.06706	0.00524	0.19498	3.208	0.195	3.403
41	595482.51	4139680.18	Offsite-1.5m	0.00827	0.01004	0.00818	0.00835	0.00041	0.04140	0.05487	1.47079	1.64904	0.21151	0.21591	3.547	0.14370	0.08285	0.00648	0.23303	3.547	0.233	3.780
42	595506.56	4139659.08	Offsite-1.5m	0.00919	0.01100	0.00942	0.01017	0.00047	0.04954	0.06565	1.63440	1.80671	0.24358	0.26297	3.948	0.16473	0.09915	0.00775	0.27162	3.948	0.272	4.219
43	595530.62	4139637.98	Offsite-1.5m	0.01029	0.01209	0.01103	0.01265	0.00051	0.05635	0.07467	1.83003	1.98574	0.28521	0.32710	4.428	0.17875	0.11277	0.00881	0.30033	4.428	0.300	4.728
44	595536.64	4139632.70	Offsite-1.5m	0.01060	0.01238	0.01151	0.01341	0.00052	0.05775	0.07653	1.88517	2.03337	0.29762	0.34675	4.563	0.18225	0.11558	0.00903	0.30686	4.563	0.307	4.870
45	595463.72	4139707.29	Offsite-1.5m	0.00770	0.00943	0.00728	0.00697	0.00030	0.02787	0.03693	1.36941	1.54885	0.18824	0.18023	3.287	0.10515	0.05578	0.00436	0.16528	3.287	0.165	3.452
46	595469.74	4139702.02	Offsite-1.5m	0.00789	0.00965	0.00751	0.00728	0.00031	0.02931	0.03885	1.40320	1.58498	0.19419	0.18824	3.371	0.10865	0.05866	0.00459	0.17189	3.371	0.172	3.543
47	595475.75	4139696.74	Offsite-1.5m	0.00809	0.00987	0.00775	0.00761	0.00032	0.03073	0.04073	1.43877	1.62111	0.20040	0.19678	3.457	0.11216	0.06150	0.00481	0.17846	3.457	0.178	3.636
48	595481.77	4139691.47	Offsite-1.5m	0.00830	0.01010	0.00801	0.00797	0.00033	0.03213	0.04258	1.47612	1.65889	0.20712	0.20608	3.548	0.11566	0.06430	0.00503	0.18499	3.548	0.185	3.733
49	595487.78	4139686.19	Offsite-1.5m	0.00852	0.01034	0.00828	0.00835	0.00034	0.03354	0.04445	1.51525	1.69831	0.21410	0.21591	3.644	0.11916	0.06712	0.00525	0.19154	3.644	0.192	3.835
50	595511.84	4139665.09	Offsite-1.5m	0.00949	0.01137	0.00954	0.01018	0.00039	0.03942	0.05225	1.68776	1.86748	0.24668	0.26323	4.065	0.13669	0.07889	0.00617	0.22175	4.065	0.222	4.287
51	595517.85	4139659.82	Offsite-1.5m	0.00976	0.01164	0.00991	0.01074	0.00040	0.04089	0.05418	1.73578	1.91183	0.25625	0.27771	4.182	0.14019	0.08183	0.00639	0.22842	4.182	0.228	4.410
52	595523.87	4139654.54	Offsite-1.5m	0.01005	0.01193	0.01030	0.01134	0.00041	0.04231	0.05607	1.78735	1.95946	0.26633	0.29322	4.306	0.14370	0.08468	0.00662	0.23499	4.306	0.235	4.541
53	595529.88	4139649.27	Offsite-1.5m	0.01035	0.01223	0.01073	0.01200	0.00042	0.04367	0.05788	1.84070	2.00874	0.27745	0.31029	4.437	0.14720	0.08740	0.00683	0.24143	4.437	0.241	4.679
54	595535.90	4139643.99	Offsite-1.5m	0.01067	0.01254	0.01118	0.01271	0.00043	0.04498	0.05960	1.89762	2.05965	0.28909	0.32865	4.575	0.15071	0.09002	0.00703	0.24776	4.575	0.248	4.823
55	595541.91	4139638.72	Offsite-1.5m	0.01100	0.01286	0.01167	0.01349	0.00044	0.04620	0.06123	1.95630	2.11221	0.30176	0.34882	4.719	0.15421	0.09246	0.00723	0.25390	4.719	0.254	4.973
56	595469.00	4139713.31	Offsite-1.5m	0.00789	0.00967	0.00734	0.00692	0.00026	0.02377	0.03150	1.40320	1.58826	0.18979	0.17893	3.360	0.09113	0.04757	0.00372	0.14242	3.360	0.142	3.503

57	595475.01	4139708.03	Offsite-1.5m	0.00809	0.00989	0.00757	0.00723	0.00027	0.02488	0.03298	1.43877	1.62440	0.19574	0.18695	3.446	0.09463	0.04979	0.00389	0.14832	3.446	0.148	3.594
58	595481.03	4139702.76	Offsite-1.5m	0.00831	0.01013	0.00782	0.00756	0.00028	0.02597	0.03441	1.47790	1.66382	0.20221	0.19548	3.539	0.09814	0.05197	0.00406	0.15417	3.539	0.154	3.694
59	595487.04	4139697.48	Offsite-1.5m	0.00853	0.01037	0.00807	0.00792	0.00029	0.02703	0.03583	1.51703	1.70324	0.20867	0.20479	3.634	0.10164	0.05410	0.00423	0.15997	3.634	0.160	3.794
60	595493.05	4139692.21	Offsite-1.5m	0.00875	0.01062	0.00835	0.00830	0.00030	0.02809	0.03722	1.55615	1.74430	0.21591	0.21462	3.731	0.10515	0.05622	0.00439	0.16576	3.731	0.166	3.897
61	595517.11	4139671.11	Offsite-1.5m	0.00978	0.01172	0.00962	0.01013	0.00033	0.03242	0.04297	1.73933	1.92497	0.24875	0.26194	4.175	0.11566	0.06488	0.00507	0.18561	4.175	0.186	4.361
62	595523.13	4139665.83	Offsite-1.5m	0.01007	0.01202	0.01000	0.01069	0.00034	0.03354	0.04445	1.79091	1.97424	0.25858	0.27642	4.300	0.11916	0.06712	0.00525	0.19154	4.300	0.192	4.492
63	595529.14	4139660.56	Offsite-1.5m	0.01037	0.01233	0.01040	0.01130	0.00035	0.03465	0.04592	1.84426	2.02516	0.26892	0.29219	4.431	0.12267	0.06935	0.00542	0.19744	4.431	0.197	4.628
64	595535.16	4139655.28	Offsite-1.5m	0.01069	0.01265	0.01083	0.01196	0.00035	0.03575	0.04738	1.90117	2.07772	0.28004	0.30926	4.568	0.12267	0.07155	0.00559	0.19981	4.568	0.200	4.768
65	595541.17	4139650.01	Offsite-1.5m	0.01103	0.01299	0.01129	0.01268	0.00036	0.03682	0.04880	1.96164	2.13356	0.29193	0.32787	4.715	0.12617	0.07369	0.00576	0.20562	4.715	0.206	4.921
66	595547.19	4139644.73	Offsite-1.5m	0.01138	0.01333	0.01179	0.01346	0.00037	0.03786	0.05017	2.02389	2.18941	0.30486	0.34804	4.866	0.12968	0.07577	0.00592	0.21137	4.866	0.211	5.078
67	595474.27	4139719.32	Offsite-1.5m	0.00808	0.00989	0.00739	0.00685	0.00023	0.02066	0.02738	1.43699	1.62440	0.19109	0.17712	3.430	0.08061	0.04135	0.00323	0.12519	3.430	0.125	3.555
68	595480.29	4139714.05	Offsite-1.5m	0.00829	0.01012	0.00762	0.00715	0.00024	0.02154	0.02855	1.47434	1.66218	0.19703	0.18488	3.518	0.08412	0.04311	0.00337	0.13059	3.518	0.131	3.649
69	595486.30	4139708.77	Offsite-1.5m	0.00851	0.01037	0.00787	0.00748	0.00024	0.02241	0.02969	1.51347	1.70324	0.20350	0.19341	3.614	0.08412	0.04485	0.00350	0.13247	3.614	0.132	3.746
70	595492.31	4139703.50	Offsite-1.5m	0.00874	0.01063	0.00812	0.00783	0.00025	0.02325	0.03081	1.55437	1.74594	0.20996	0.20246	3.713	0.08762	0.04653	0.00364	0.13779	3.713	0.138	3.851
71	595498.33	4139698.22	Offsite-1.5m	0.00898	0.01090	0.00840	0.00820	0.00026	0.02408	0.03191	1.59706	1.79029	0.21720	0.21203	3.817	0.09113	0.04819	0.00377	0.14308	3.817	0.143	3.960
72	595522.39	4139677.12	Offsite-1.5m	0.01006	0.01206	0.00969	0.01002	0.00029	0.02739	0.03629	1.78913	1.98081	0.25056	0.25909	4.280	0.10164	0.05482	0.00428	0.16074	4.280	0.161	4.440
73	595528.40	4139671.85	Offsite-1.5m	0.01037	0.01239	0.01006	0.01057	0.00029	0.02824	0.03742	1.84426	2.03502	0.26013	0.27331	4.413	0.10164	0.05652	0.00442	0.16257	4.413	0.163	4.575
74	595534.42	4139666.57	Offsite-1.5m	0.01069	0.01272	0.01047	0.01118	0.00030	0.02911	0.03857	1.90117	2.08922	0.27073	0.28909	4.550	0.10515	0.05826	0.00455	0.16796	4.550	0.168	4.718
75	595540.43	4139661.30	Offsite-1.5m	0.01102	0.01306	0.01090	0.01183	0.00031	0.02997	0.03972	1.95986	2.14506	0.28185	0.30589	4.693	0.10865	0.05998	0.00469	0.17332	4.693	0.173	4.866
76	595546.45	4139656.02	Offsite-1.5m	0.01138	0.01342	0.01137	0.01255	0.00031	0.03084	0.04087	2.02389	2.20419	0.29400	0.32451	4.847	0.10865	0.06172	0.00482	0.17519	4.847	0.175	5.022
77	595552.46	4139650.75	Offsite-1.5m	0.01176	0.01380	0.01187	0.01333	0.00032	0.03169	0.04199	2.09147	2.26660	0.30693	0.34468	5.010	0.11216	0.06342	0.00496	0.18053	5.010	0.181	5.190
78	595479.55	4139725.33	Offsite-1.5m	0.00826	0.01009	0.00742	0.00674	0.00020	0.01823	0.02416	1.46901	1.65725	0.19186	0.17428	3.492	0.07010	0.03648	0.00285	0.10943	3.492	0.109	3.602
79	595503.60	4139704.24	Offsite-1.5m	0.00920	0.01116	0.00844	0.00807	0.00023	0.02100	0.02783	1.63618	1.83299	0.21824	0.20867	3.896	0.08061	0.04203	0.00328	0.12592	3.896	0.126	4.022
80	595509.62	4139698.96	Offsite-1.5m	0.00946	0.01145	0.00873	0.00846	0.00023	0.02166	0.02871	1.68242	1.88062	0.22574	0.21875	4.008	0.08061	0.04335	0.00339	0.12735	4.008	0.127	4.135
81	595521.65	4139688.41	Offsite-1.5m	0.01003	0.01207	0.00937	0.00935	0.00025	0.02296	0.03043	1.78379	1.98246	0.24229	0.24177	4.250	0.08762	0.04595	0.00359	0.13716	4.250	0.137	4.387
82	595527.66	4139683.14	Offsite-1.5m	0.01033	0.01239	0.00972	0.00985	0.00025	0.02362	0.03130	1.83715	2.03502	0.25134	0.25470	4.378	0.08762	0.04727	0.00369	0.13859	4.378	0.139	4.517
83	595551.72	4139662.04	Offsite-1.5m	0.01172	0.01385	0.01140	0.01233	0.00027	0.02634	0.03490	2.08435	2.27482	0.29478	0.31882	4.973	0.09463	0.05271	0.00412	0.15146	4.973	0.151	5.124
84	595557.74	4139656.76	Offsite-1.5m	0.01211	0.01425	0.01191	0.01310	0.00028	0.02703	0.03582	2.15371	2.34051	0.30796	0.33873	5.141	0.09814	0.05410	0.00423	0.15646	5.141	0.156	5.297
85	595484.82	4139731.35	Offsite-1.5m	0.00843	0.01029	0.00744	0.00660	0.00018	0.01627	0.02156	1.49924	1.69010	0.19238	0.17066	3.552	0.06309	0.03256	0.00254	0.09819	3.552	0.098	3.651
86	595490.83	4139726.07	Offsite-1.5m	0.00866	0.01055	0.00768	0.00689	0.00019	0.01686	0.02235	1.54015	1.73280	0.19859	0.17816	3.650	0.06659	0.03374	0.00264	0.10297	3.650	0.103	3.753
87	595496.85	4139720.80	Offsite-1.5m	0.00890	0.01082	0.00792	0.00720	0.00019	0.01744	0.02311	1.58283	1.77715	0.20479	0.18617	3.751	0.06659	0.03490	0.00273	0.10422	3.751	0.104	3.855
88	595502.86	4139715.53	Offsite-1.5m	0.00915	0.01111	0.00818	0.00754	0.00020	0.01801	0.02387	1.62729	1.82478	0.21151	0.19497	3.859	0.07010	0.03604	0.00282	0.10896	3.859	0.109	3.968
89	595508.88	4139710.25	Offsite-1.5m	0.00941	0.01140	0.00845	0.00789	0.00020	0.01857	0.02461	1.67353	1.87241	0.21850	0.20402	3.968	0.07010	0.03716	0.00290	0.11017	3.968	0.110	4.079
90	595514.89	4139704.98	Offsite-1.5m	0.00968	0.01171	0.00875	0.00828	0.00021	0.01912	0.02533	1.72155	1.92333	0.22625	0.21410	4.085	0.07360	0.03827	0.00299	0.11486	4.085	0.115	4.200
91	595526.92	4139694.43	Offsite-1.5m	0.01027	0.01236	0.00939	0.00914	0.00022	0.02018	0.02674	1.82648	2.03009	0.24280	0.23634	4.336	0.07711	0.04039	0.00316	0.12065	4.336	0.121	4.456
92	595532.94	4139689.15	Offsite-1.5m	0.01059	0.01271	0.00974	0.00962	0.00022	0.02071	0.02745	1.88339	2.08757	0.25185	0.24875	4.472	0.07711	0.04145	0.00324	0.12179	4.472	0.122	4.593
93	595538.95	4139683.88	Offsite-1.5m	0.01092	0.01307	0.01011	0.01015	0.00023	0.02124	0.02815	1.94208	2.14670	0.26142	0.26245	4.613	0.08061	0.04251	0.00332	0.12644	4.613	0.126	4.739
94	595544.97	4139678.60	Offsite-1.5m	0.01127	0.01345	0.01051	0.01072	0.00023	0.02178	0.02886	2.00432	2.20912	0.27176	0.27719	4.762	0.08061	0.04359	0.00341	0.12761	4.762	0.128	4.890
95	595550.98	4139673.33	Offsite-1.5m	0.01164	0.01384	0.01095	0.01134	0.00024	0.02232	0.02958	2.07013	2.27317	0.28314	0.29322	4.920	0.08412	0.04467	0.00349	0.13228	4.920	0.132	5.052
96	595557.00	4139668.05	Offsite-1.5m	0.01204	0.01425	0.01141	0.01203	0.00024	0.02288	0.03032	2.14126	2.34051	0.29503	0.31107	5.088	0.08412	0.04579	0.00358	0.13348	5.088	0.133	5.221
97	595563.01	4139662.78	Offsite-1.5m	0.01245	0.01468	0.01191	0.01277	0.00025	0.02343	0.03105	2.21418	2.41114	0.30796	0.33020	5.263	0.08762	0.04689	0.00366	0.13818	5.263	0.138	5.402
98	595490.09	4139737.36	Offsite-1.5m	0.00859	0.01047	0.00746	0.00645	0.00017	0.01467	0.01944	1.52770	1.71966	0.19290	0.16678	3.607	0.05958	0.02936	0.00229	0.09124	3.607	0.091	3.698
99	595496.11	4139732.09	Offsite-1.5m	0.00882	0.01074	0.00769	0.00673	0.00017	0.01516	0.02009	1.56860	1.76401	0.19884	0.17402	3.705	0.05958	0.03034	0.00237	0.09229	3.705	0.092	3.798
100	595502.12	4139726.81	Offsite-1.5m	0.00907	0.01102	0.00793	0.00702	0.00018	0.01565	0.02074	1.61306	1.81000	0.20505	0.18152	3.810	0.06309	0.03132	0.00245	0.09686	3.810	0.097	3.906
101	595508.14	4139721.54	Offsite-1.5m	0.00933	0.01132	0.00819	0.00734	0.00018	0.01613	0.02137	1.65930	1.85927	0.21177	0.18979	3.920	0.06309	0.03228	0.00252	0.09789	3.920	0.098	4.018
102	595514.15	4139716.27	Offsite-1.5m	0.00960	0.01163	0.00846	0.00769	0.00018	0.01660	0.02200	1.70732	1.91019	0.21875	0.19884	4.035	0.06309	0.03322	0.00260	0.09891	4.035	0.099	4.134
103	595520.17	4139710.99	Offsite-1.5m	0.00989	0.01195	0.00875	0.00806	0.00019	0.01706	0.02261	1.75890	1.96275	0.22625	0.20841	4.156	0.06659	0.03414	0.00267	0.10340	4.156	0.103	4.260
104	595532.20	4139700.44	Offsite-1.5m	0.01050	0.01263	0.00938	0.00889	0.00020	0.01795	0.02379	1.86738	2.07443	0.24254	0.22987	4.414	0.07010	0.03592	0.00281	0.10883	4.414	0.109	4.523
105	595538.21	4139695.17	Offsite-1.5m	0.01083	0.01300	0.00973	0.00935	0.00020	0.01839	0.02437	1.92607	2.13521	0.25159	0.24177	4.555	0.07010	0.03680	0.00288	0.10978	4.555	0.110	4.664
106	595544.23	4139689.89	Offsite-1.5m	0.01118	0.01338	0.01010	0.00986	0.00020	0.01883	0.02495	1.98832	2.19762	0.26116	0.25496	4.702	0.07010	0.03768	0.00294	0.11073	4.702	0.111	4.813
107	595550.24	4139684.62	Offsite-1.5m	0.01154	0.01378	0.01050	0.01041	0.00021	0.01926	0.02553	2.05234	2.26332	0.27150	0.26918	4.856	0.07360	0.03855	0.00301	0.11516	4.856	0.115	4.972
108	595556.26	4139679.34	Offsite-1.5m	0.01193	0.01420	0.01093	0.01100	0.00021	0.01971	0.02612	2.12170	2.33230	0.28262	0.28443	5.021	0.07360	0.03945	0.00308	0.11613	5.021	0.116	5.137
109	595562.27	4139674.07	Offsite-1.5m	0.01234	0.01463	0.01139	0.01166	0.00022	0.02015	0.02671	2.19462	2.40293	0.29452	0.30150	5.194	0.07711	0.04033	0.00315	0.12059	5.194	0.121	5.314
110	595568.29	4139668.79	Offsite-1.5m	0.01278	0.01509	0.01188	0.01237	0.00022	0.02060	0.02730	2.27287	2.47848	0.30719	0.31986	5.378	0.07711	0.04123	0.00322	0.12156	5.378	0.122	5.500
111	595495.37	4139743.38	Offsite-1.5m	0.00874	0.01063	0.00746	0.00627	0.00015	0.01332	0.01766	1.55437	1.74594	0.19290	0.16213	3.655	0.05257	0.02666	0.00208	0.08131	3.655	0.081	3.737
112	595501.38	4139738.10	Offsite-1.5m	0.00898	0.01092	0.00769	0.00654	0.00016	0.01374	0.01821	1.59706	1.79357	0.19884	0.16911	3.759	0.05608	0.02750	0.00215	0.08572	3.759	0.086	3.844
113	595507.40	4139732.83	Offsite-1.5m	0.00924	0.01121	0.00793	0.00682	0.00016	0.01416	0.01876	1.64330	1.84120	0.20505	0.17635	3.866	0.05608	0.02834	0.00221	0.08663	3.866	0.087	3.953
114	595513.41	4139727.55	Offsite-1.5m	0.00950	0.01152	0.00819	0.00713	0.00016	0.01457	0.01930	1.68954	1.89212	0.21177	0.18436	3.978	0.05608	0.02916	0.00228	0.08751	3.978	0.088	4.065
115	595519.43	4139722.28	Offsite-1.5m	0.00978	0.01184	0.00846	0.00746	0.00017	0.01497	0.01984	1.73933	1.94468	0.21875	0.19290	4.096	0.05958	0.02996	0.00234	0.09188	4.096	0.092	4.188
116	595525.44	4139717.01	Offsite-1.5m	0.01008	0.01217	0.00874	0.00781	0.00017	0.01536	0.02036	1.79269	1.99888	0.22599	0.20195	4.220	0.05958	0.03074	0.00240	0.09273	4.220	0.093	4.312
117	595537.47	4139706.46	Offsite-1.5m	0.01071	0.01289	0.00937	0.00860	0.00018	0.01613	0.02137	1.90473	2.11714	0.24229	0.22237	4.487	0.06309	0.03228	0.00252	0.09789	4.487	0.098	4.584
118	595543.49	4139701.18	Offsite-1.5m	0.01105	0.01327	0.00971	0.00904	0.00018	0.01650	0.02186	1.96520	2.17955	0.25108	0.23375	4.630	0.06309	0.03302	0.00258	0.09869	4.630	0.099	4.728
119	595549.50	4139695.91	Offsite-1.5m	0.01141	0.01367	0.01008	0.00952	0.00018	0.01686	0.02235	2.02922	2.24525	0.26064	0.24616	4.781	0.06309	0.03374	0.00264	0.09947	4.781	0.099	4.881
120	595555.52	4139690.63	Offsite-1.5m	0.01179	0.01409	0.01047	0.01004	0.00019	0.01723	0.02283	2.09680	2.31423	0.27073	0.25961	4.941	0.06659	0.03448	0.00269	0.10377	4.941	0.104	5.045
121	595561.53	4139685.36	Offsite-1.5m	0.01220	0.01453	0.01089	0.01061	0.00019	0.01759	0.02332	2.16972	2.38650	0.28159	0.27435	5.112	0.06659	0.03520	0.00275	0.10455	5.112	0.105	5.217
122	595567.55	4139680.08	Offsite-1.5m	0.01262	0.01499	0.01134	0.01123	0.00019	0.01796	0.02380	2.24442	2.46206	0.29322	0.29038	5.290	0.06659	0.03594	0.00281	0.10534	5.290	0.105	5.395
123	595573.56	4139674.81	Offsite-1.5m	0.01308	0.01548	0.01183	0.01191	0.00020	0.01833	0.02429	2.32622	2.54254	0.30589	0.30796	5.483	0.07010	0.03668	0.00287	0.10965	5.483	0.110	5.592
124	595516.47	4139767.44	Offsite-1.5m	0.00926	0.01115	0.00745	0.00543	0.00011	0.00962	0.01275	1.64685	1.83135	0.19264	0.14041	3.811	0.03855	0.01925	0.00150	0.05931	3.811	0.059	3.871
125	595522.48	4139762.16	Offsite-1.5m	0.00953	0.01146	0.00766	0.00564	0.00011	0.00986	0.01307	1.69487	1.88227	0.19807	0.14584	3.921	0.03855	0.01973	0.00154	0.05983	3.921	0.060	3.981
126	595528.50	4139756.89	Offsite-1.5m	0.00981	0.01179	0.00789	0.00587	0.00012	0.01010	0.01338	1.74467	1.93647	0.20402	0.15178	4.037	0.04206	0.02021	0.00158	0.06385	4.037	0.064	4.101
127	595534.51	4139751.61	Offsite-1.5m	0.01010	0.01213	0.00813	0.00610	0.00012	0.01034	0.01370	1.79624	1.99231	0.21022	0.15773	4.157	0.04206	0.02069	0.00162	0.06437	4.157	0.064	4.221
128	595540.53	4139746.34	Offsite-1.5m	0.01040	0.01248	0.00839	0.00636	0.00012	0.01057	0.01401	1.84960	2.04980	0.21694	0.16445	4.281	0.04206	0.02115	0.00165	0.06487	4.281	0.065	4.346
129	595546.54	4139741.06	Offsite-1.5m	0.01073	0.01286	0.00865	0.00663	0.00012	0.01080	0.01431	1.90829	2.11221	0.22367	0.17144	4.416	0.04206	0.02161	0.00169	0.06536	4.416	0.065	4.481
130	595558.57	4139730.51	Offsite-1.5m	0.01142	0.01366	0.00924	0.00724	0.00013	0.01125	0.01491	2.03100	2.24361	0.23892	0.18721	4.701	0.04556	0.02251	0.00176	0.06984	4.701	0.070	4.771
131	595564.59	4139725.24	Offsite-1.5m	0.01180	0.01410	0.00955	0.00757	0.00013	0.01147	0.01520	2.09858	2.31588	0.24694	0.19574	4.857	0.04556	0.02296	0.00179	0.07031	4.857	0.070	4.927
132	595570.60	4139719.96	Offsite-1.5m	0.01220	0.01456	0.00989	0.00793	0.00013	0.01168	0.01548	2.16972	2.39143	0.25573	0.20505	5.022	0.04556	0.02338	0.00183	0.07077	5.022	0.071	5.093
133	595576.62	4139714.69	Offsite-1.5m	0.01263	0.01504	0.01025	0.00832	0.00013	0.01189	0.01576	2.24619	2.47027	0.26504	0.21513	5.197	0.04556	0.02380	0.00186	0.07122	5.197	0.071	5.268

134	595582.63	4139709.42	Offsite-1.5m	0.01308	0.01555	0.01063	0.00874	0.00013	0.01210	0.01603	2.32622	2.55403	0.27487	0.22599	5.381	0.04556	0.02422	0.00189	0.07167	5.381	0.072	5.453
135	595588.65	4139704.14	Offsite-1.5m	0.01356	0.01609	0.01105	0.00919	0.00014	0.01230	0.01630	2.41159	2.64273	0.28573	0.23763	5.578	0.04907	0.02462	0.00192	0.07561	5.578	0.076	5.653
136	595594.66	4139698.87	Offsite-1.5m	0.01407	0.01667	0.01149	0.00968	0.00014	0.01249	0.01656	2.50229	2.73799	0.29710	0.25030	5.788	0.04907	0.02500	0.00195	0.07602	5.788	0.076	5.864
137	595521.74	4139773.45	Offsite-1.5m	0.00938	0.01124	0.00745	0.00520	0.00010	0.00897	0.01189	1.66819	1.84613	0.19264	0.13446	3.841	0.03505	0.01795	0.00140	0.05440	3.841	0.054	3.896
138	595527.76	4139768.18	Offsite-1.5m	0.00965	0.01156	0.00766	0.00540	0.00011	0.00918	0.01216	1.71621	1.89869	0.19807	0.13963	3.953	0.03855	0.01837	0.00144	0.05836	3.953	0.058	4.011
139	595533.77	4139762.90	Offsite-1.5m	0.00993	0.01189	0.00789	0.00561	0.00011	0.00939	0.01244	1.76601	1.95289	0.20402	0.14506	4.068	0.03855	0.01879	0.00147	0.05881	4.068	0.059	4.127
140	595539.79	4139757.63	Offsite-1.5m	0.01023	0.01224	0.00812	0.00583	0.00011	0.00960	0.01272	1.81936	2.01038	0.20996	0.15075	4.190	0.03855	0.01921	0.00150	0.05927	4.190	0.059	4.250
141	595545.80	4139752.35	Offsite-1.5m	0.01054	0.01260	0.00837	0.00607	0.00011	0.00981	0.01300	1.87450	2.06951	0.21643	0.15696	4.317	0.03855	0.01963	0.00153	0.05972	4.317	0.060	4.377
142	595551.82	4139747.08	Offsite-1.5m	0.01087	0.01298	0.00864	0.00632	0.00011	0.01001	0.01327	1.93318	2.13192	0.22341	0.16342	4.452	0.03855	0.02003	0.00157	0.06015	4.452	0.060	4.512
143	595563.85	4139736.53	Offsite-1.5m	0.01158	0.01380	0.00921	0.00688	0.00012	0.01042	0.01380	2.05946	2.26660	0.23815	0.17790	4.742	0.04206	0.02085	0.00163	0.06454	4.742	0.065	4.807
144	595569.86	4139731.25	Offsite-1.5m	0.01196	0.01424	0.00952	0.00719	0.00012	0.01061	0.01406	2.12704	2.33887	0.24616	0.18592	4.898	0.04206	0.02123	0.00166	0.06495	4.898	0.065	4.963
145	595575.88	4139725.98	Offsite-1.5m	0.01237	0.01471	0.00985	0.00752	0.00012	0.01080	0.01432	2.19995	2.41607	0.25470	0.19445	5.065	0.04206	0.02161	0.00169	0.06536	5.065	0.065	5.131
146	595581.89	4139720.70	Offsite-1.5m	0.01280	0.01521	0.01020	0.00787	0.00012	0.01099	0.01456	2.27643	2.49819	0.26375	0.20350	5.242	0.04206	0.02199	0.00172	0.06577	5.242	0.066	5.308
147	595587.91	4139715.43	Offsite-1.5m	0.01326	0.01573	0.01057	0.00825	0.00012	0.01117	0.01480	2.35824	2.58360	0.27331	0.21332	5.428	0.04206	0.02235	0.00175	0.06616	5.428	0.066	5.495
148	595593.92	4139710.16	Offsite-1.5m	0.01374	0.01628	0.01097	0.00866	0.00013	0.01135	0.01504	2.44360	2.67393	0.28366	0.22393	5.625	0.04556	0.02271	0.00178	0.07005	5.625	0.070	5.695
149	595599.93	4139704.88	Offsite-1.5m	0.01426	0.01687	0.01140	0.00911	0.00013	0.01152	0.01527	2.53608	2.77084	0.29478	0.23556	5.837	0.04556	0.02306	0.00180	0.07042	5.837	0.070	5.908
150	595527.02	4139779.47	Offsite-1.5m	0.00950	0.01133	0.00746	0.00498	0.00010	0.00839	0.01112	1.68954	1.86091	0.19290	0.12877	3.872	0.03505	0.01679	0.00131	0.05315	3.872	0.053	3.925
151	595533.03	4139774.19	Offsite-1.5m	0.00977	0.01165	0.00767	0.00516	0.00010	0.00858	0.01137	1.73755	1.91347	0.19833	0.13342	3.983	0.03505	0.01717	0.00134	0.05356	3.983	0.054	4.036
152	595539.05	4139768.92	Offsite-1.5m	0.01006	0.01198	0.00789	0.00536	0.00010	0.00876	0.01161	1.78913	1.96767	0.20402	0.13860	4.099	0.03505	0.01753	0.00137	0.05395	4.099	0.054	4.153
153	595545.06	4139763.64	Offsite-1.5m	0.01036	0.01233	0.00812	0.00556	0.00010	0.00895	0.01186	1.84248	2.02516	0.20996	0.14377	4.221	0.03505	0.01791	0.00140	0.05436	4.221	0.054	4.276
154	595551.08	4139758.37	Offsite-1.5m	0.01067	0.01270	0.00837	0.00578	0.00010	0.00914	0.01211	1.89762	2.08593	0.21643	0.14946	4.349	0.03505	0.01829	0.00143	0.05477	4.349	0.055	4.404
155	595557.09	4139753.09	Offsite-1.5m	0.01100	0.01309	0.00863	0.00601	0.00011	0.00932	0.01235	1.95630	2.14999	0.22315	0.15540	4.485	0.03855	0.01865	0.00146	0.05866	4.485	0.059	4.544
156	595569.12	4139742.54	Offsite-1.5m	0.01172	0.01392	0.00919	0.00652	0.00011	0.00968	0.01283	2.08435	2.28631	0.23763	0.16859	4.777	0.03855	0.01937	0.00151	0.05944	4.777	0.059	4.836
157	595575.14	4139737.27	Offsite-1.5m	0.01211	0.01437	0.00949	0.00680	0.00011	0.00986	0.01306	2.15371	2.36022	0.24539	0.17583	4.935	0.03855	0.01973	0.00154	0.05983	4.935	0.060	4.995
158	595581.15	4139731.99	Offsite-1.5m	0.01252	0.01484	0.00981	0.00711	0.00011	0.01003	0.01329	2.22663	2.43742	0.25366	0.18385	5.102	0.03855	0.02007	0.00157	0.06020	5.102	0.060	5.162
159	595587.17	4139726.72	Offsite-1.5m	0.01296	0.01534	0.01016	0.00743	0.00011	0.01019	0.01351	2.30488	2.51954	0.26271	0.19212	5.279	0.03855	0.02039	0.00159	0.06054	5.279	0.061	5.340
160	595593.18	4139721.44	Offsite-1.5m	0.01342	0.01587	0.01052	0.00777	0.00012	0.01036	0.01373	2.38669	2.60659	0.27202	0.20091	5.466	0.04206	0.02073	0.00162	0.06441	5.466	0.064	5.531
161	595599.19	4139716.17	Offsite-1.5m	0.01392	0.01644	0.01091	0.00814	0.00012	0.01052	0.01394	2.47561	2.70021	0.28211	0.21048	5.668	0.04206	0.02105	0.00165	0.06476	5.668	0.065	5.733
162	595605.21	4139710.90	Offsite-1.5m	0.01444	0.01703	0.01132	0.00854	0.00012	0.01067	0.01415	2.56809	2.79712	0.29271	0.22082	5.879	0.04206	0.02135	0.00167	0.06508	5.879	0.065	5.944
163	595532.29	4139785.48	Offsite-1.5m	0.00961	0.01140	0.00747	0.00476	0.00009	0.00787	0.01043	1.70910	1.87241	0.19316	0.12308	3.898	0.03154	0.01575	0.00123	0.04852	3.898	0.049	3.946
164	595556.35	4139764.38	Offsite-1.5m	0.01081	0.01279	0.00838	0.00549	0.00010	0.00854	0.01132	1.92251	2.10071	0.21669	0.14196	4.382	0.03505	0.01709	0.00134	0.05348	4.382	0.053	4.435
165	595562.37	4139759.11	Offsite-1.5m	0.01114	0.01318	0.00863	0.00571	0.00010	0.00871	0.01154	1.98120	2.16477	0.22315	0.14765	4.517	0.03505	0.01743	0.00136	0.05384	4.517	0.054	4.571
166	595574.40	4139748.56	Offsite-1.5m	0.01187	0.01402	0.00918	0.00618	0.00010	0.00903	0.01197	2.11103	2.30274	0.23737	0.15980	4.811	0.03505	0.01807	0.00141	0.05453	4.811	0.055	4.865
167	595580.41	4139743.28	Offsite-1.5m	0.01226	0.01448	0.00948	0.00643	0.00010	0.00919	0.01218	2.18039	2.37829	0.24513	0.16626	4.970	0.03505	0.01839	0.00144	0.05488	4.970	0.055	5.025
168	595604.47	4139722.18	Offsite-1.5m	0.01408	0.01656	0.01086	0.00764	0.00011	0.00979	0.01297	2.50407	2.71992	0.28081	0.19755	5.702	0.03855	0.01959	0.00153	0.05968	5.702	0.060	5.762
169	595610.48	4139716.91	Offsite-1.5m	0.01461	0.01717	0.01127	0.00800	0.00011	0.00993	0.01315	2.59833	2.82011	0.29141	0.20686	5.917	0.03855	0.01987	0.00155	0.05998	5.917	0.060	5.977
170	595537.57	4139791.50	Offsite-1.5m	0.00974	0.01147	0.00751	0.00454	0.00009	0.00741	0.00981	1.73222	1.88391	0.19419	0.11739	3.928	0.03154	0.01483	0.00116	0.04753	3.928	0.048	3.975
171	595543.58	4139786.22	Offsite-1.5m	0.01002	0.01180	0.00772	0.00469	0.00009	0.00756	0.01001	1.78202	1.93811	0.19962	0.12127	4.041	0.03154	0.01513	0.00118	0.04786	4.041	0.048	4.089
172	595549.60	4139780.95	Offsite-1.5m	0.01032	0.01214	0.00794	0.00486	0.00009	0.00771	0.01021	1.83537	1.99395	0.20531	0.12567	4.160	0.03154	0.01543	0.00121	0.04818	4.160	0.048	4.208
173	595555.61	4139775.67	Offsite-1.5m	0.01063	0.01250	0.00817	0.00503	0.00009	0.00786	0.01041	1.89050	2.05308	0.21126	0.13006	4.285	0.03154	0.01573	0.00123	0.04850	4.285	0.049	4.333
174	595561.63	4139770.40	Offsite-1.5m	0.01095	0.01288	0.00841	0.00522	0.00009	0.00801	0.01061	1.94741	2.11550	0.21746	0.13498	4.415	0.03154	0.01603	0.00125	0.04883	4.415	0.049	4.464
175	595585.69	4139749.30	Offsite-1.5m	0.01242	0.01457	0.00950	0.00607	0.00010	0.00859	0.01139	2.20885	2.39307	0.24565	0.15696	5.005	0.03505	0.01719	0.00134	0.05358	5.005	0.054	5.058
176	595591.70	4139744.02	Offsite-1.5m	0.01284	0.01505	0.00981	0.00632	0.00010	0.00873	0.01157	2.28354	2.47191	0.25366	0.16342	5.173	0.03505	0.01747	0.00137	0.05389	5.173	0.054	5.226
177	595597.71	4139738.75	Offsite-1.5m	0.01328	0.01556	0.01013	0.00658	0.00010	0.00887	0.01175	2.36179	2.55568	0.26194	0.17014	5.350	0.03505	0.01775	0.00139	0.05419	5.350	0.054	5.404
178	595603.73	4139733.47	Offsite-1.5m	0.01375	0.01610	0.01048	0.00687	0.00010	0.00900	0.01193	2.44538	2.64437	0.27099	0.17764	5.538	0.03505	0.01801	0.00141	0.05447	5.538	0.054	5.593
179	595609.74	4139728.20	Offsite-1.5m	0.01425	0.01667	0.01085	0.00716	0.00010	0.00913	0.01210	2.53430	2.73799	0.28055	0.18514	5.738	0.03505	0.01827	0.00143	0.05475	5.738	0.055	5.793
180	595615.76	4139722.92	Offsite-1.5m	0.01479	0.01728	0.01124	0.00748	0.00010	0.00926	0.01227	2.63034	2.83818	0.29064	0.19341	5.953	0.03505	0.01853	0.00145	0.05503	5.953	0.055	6.008
181	595542.84	4139797.51	Offsite-1.5m	0.00986	0.01154	0.00755	0.00433	0.00008	0.00698	0.00926	1.75356	1.89541	0.19522	0.11196	3.956	0.02804	0.01397	0.00109	0.04310	3.956	0.043	3.999
182	595548.86	4139792.24	Offsite-1.5m	0.01015	0.01187	0.00776	0.00447	0.00008	0.00712	0.00943	1.80514	1.94961	0.20065	0.11558	4.071	0.02804	0.01425	0.00111	0.04340	4.071	0.043	4.114
183	595554.87	4139786.96	Offsite-1.5m	0.01046	0.01222	0.00799	0.00462	0.00008	0.00726	0.00962	1.86027	2.00709	0.20660	0.11946	4.193	0.02804	0.01453	0.00114	0.04370	4.193	0.044	4.237
184	595560.89	4139781.69	Offsite-1.5m	0.01077	0.01258	0.00822	0.00478	0.00009	0.00739	0.00980	1.91540	2.06622	0.21255	0.12360	4.318	0.03154	0.01479	0.00116	0.04749	4.318	0.047	4.365
185	595566.90	4139776.41	Offsite-1.5m	0.01110	0.01296	0.00846	0.00495	0.00009	0.00753	0.00998	1.97409	2.12864	0.21875	0.12799	4.449	0.03154	0.01507	0.00118	0.04779	4.449	0.048	4.497
186	595590.96	4139755.31	Offsite-1.5m	0.01259	0.01466	0.00954	0.00573	0.00009	0.00806	0.01068	2.23908	2.40785	0.24668	0.14816	5.042	0.03154	0.01613	0.00126	0.04893	5.042	0.049	5.091
187	595596.98	4139750.04	Offsite-1.5m	0.01302	0.01515	0.00985	0.00595	0.00009	0.00819	0.01085	2.31555	2.48834	0.25470	0.15385	5.212	0.03154	0.01639	0.00128	0.04921	5.212	0.049	5.262
188	595602.99	4139744.76	Offsite-1.5m	0.01346	0.01566	0.01017	0.00619	0.00009	0.00831	0.01101	2.39381	2.57210	0.26297	0.16006	5.389	0.03154	0.01663	0.00130	0.04947	5.389	0.049	5.438
189	595609.00	4139739.49	Offsite-1.5m	0.01393	0.01620	0.01051	0.00644	0.00009	0.00843	0.01118	2.47739	2.66079	0.27176	0.16652	5.576	0.03154	0.01687	0.00132	0.04973	5.576	0.050	5.626
190	595615.02	4139734.21	Offsite-1.5m	0.01444	0.01677	0.01087	0.00671	0.00010	0.00855	0.01133	2.56809	2.75442	0.28107	0.17350	5.777	0.03505	0.01711	0.00134	0.05350	5.777	0.053	5.831
191	595621.03	4139728.94	Offsite-1.5m	0.01497	0.01738	0.01125	0.00699	0.00010	0.00867	0.01149	2.66235	2.85461	0.29090	0.18074	5.989	0.03505	0.01735	0.00136	0.05376	5.989	0.054	6.042
192	595548.12	4139803.53	Offsite-1.5m	0.01000	0.01160	0.00761	0.00412	0.00008	0.00660	0.00875	1.77846	1.90526	0.19678	0.10653	3.987	0.02804	0.01321	0.00103	0.04228	3.987	0.042	4.029
193	595554.13	4139798.25	Offsite-1.5m	0.01030	0.01194	0.00783	0.00426	0.00008	0.00673	0.00891	1.83181	1.96110	0.20246	0.11015	4.106	0.02804	0.01347	0.00105	0.04256	4.106	0.043	4.148
194	595560.15	4139792.98	Offsite-1.5m	0.01061	0.01229	0.00806	0.00439	0.00008	0.00685	0.00908	1.88694	2.01859	0.20841	0.11351	4.227	0.02804	0.01371	0.00107	0.04282	4.227	0.043	4.270
195	595566.16	4139787.70	Offsite-1.5m	0.01093	0.01266	0.00829	0.00454	0.00008	0.00697	0.00924	1.94386	2.07936	0.21436	0.11739	4.355	0.02804	0.01395	0.00109	0.04308	4.355	0.043	4.398
196	595572.18	4139782.43	Offsite-1.5m	0.01127	0.01304	0.00854	0.00470	0.00008	0.00710	0.00940	2.00432	2.14178	0.22082	0.12153	4.488	0.02804	0.01421	0.00111	0.04336	4.488	0.043	4.532
197	595596.24	4139761.33	Offsite-1.5m	0.01279	0.01476	0.00963	0.00540	0.00009	0.00758	0.01004	2.27465	2.42428	0.24901	0.13963	5.088	0.03154	0.01517	0.00119	0.04790	5.088	0.048	5.135
198	595602.25	4139756.05	Offsite-1.5m	0.01322	0.01525	0.00993	0.00561	0.00009	0.00770	0.01020	2.35112	2.50476	0.25677	0.14506	5.258	0.03154	0.01541	0.00120	0.04816	5.258	0.048	5.306
199	595608.26	4139750.78	Offsite-1.5m	0.01367	0.01576	0.01025	0.00582	0.00009	0.00781	0.01035	2.43115	2.58853	0.26504	0.15049	5.435	0.03154	0.01563	0.00122	0.04840	5.435	0.048	5.484
200	595614.28	4139745.50	Offsite-1.5m	0.01414	0.01630	0.01059	0.00605	0.00009	0.00792	0.01050	2.51474	2.67722	0.27383	0.15644	5.622	0.03154	0.01585	0.00124	0.04863	5.622	0.049	5.671
201	595620.29	4139740.23	Offsite-1.5m	0.01465	0.01687	0.01094	0.00628	0.00009	0.00803	0.01064	2.60544	2.77084	0.28288	0.16239	5.822	0.03154	0.01607	0.00126	0.04887	5.822	0.049	5.870
202	595626.31	4139734.95	Offsite-1.5m	0.01518	0.01748	0.01132	0.00653	0.00009	0.00813	0.01078	2.69970	2.87103	0.29271	0.16885	6.032	0.03154	0.01627	0.00127	0.04909	6.032	0.049	6.081
203	595553.39	4139809.54	Offsite-1.5m	0.01014	0.01167	0.00769	0.00393	0.00007	0.00626	0.00829	1.80336	1.91676	0.19884	0.10162	4.021	0.02453	0.01253	0.00098	0.03804	4.021	0.038	4.059
204	595577.45	4139788.44	Offsite-1.5m	0.01147	0.01313	0.00865	0.00445	0.00008	0.00670	0.00888	2.03989	2.15656	0.22367	0.11507	4.535	0.02804	0.01341	0.00105	0.04250	4.535	0.042	4.578
205	595601.51	4139767.34	Offsite-1.5m	0.01303	0.01488	0.00976	0.00510	0.00008	0.00714	0.00947	2.31733	2.44399	0.25237	0.13187	5.146	0.02804	0.01429	0.00112	0.04345	5.146	0.043	5.189
206	595631.58	4139740.97	Offsite-1.5m	0.01544	0.01759	0.01145	0.00611	0.00009	0.00765	0.01014	2.74594	2.88910	0.29607	0.15799	6.089	0.03154	0.01531	0.00120	0.04805	6.089	0.048	6.137
207	595558.67	4139815.56	Offsite-1.5m	0.01030	0.01173	0.00779	0.00374	0.00007	0.00594	0.00787	1.83181	1.92661	0.20143	0.09671	4.057	0.02453	0.01189	0.00093	0.03735	4.057	0.037	4.094
208	595582.73	4139794.46	Offsite-1.5m	0.01169	0.01324	0.00880	0.00422	0.00007	0.00635	0.00841	2.07902	2.17462	0.22755	0.10912	4.590	0.02453	0.01271	0.00099	0.03823	4.590	0.038	4.629
209	595588.74	4139789.18	Offsite-1.5m	0.01207	0.01366	0.00907	0.00436	0.00007	0.00645	0.00855	2.14660	2.24361	0.23453	0.11274	4.737	0.02453	0.01291	0.00101	0.03845	4.737	0.038	4.776
210	595600.77	4139778.63	Offsite-1.5m	0.01288	0.01455	0.00965	0.00465	0.00008	0.00665	0.00881	2.29066	2.38979	0.24953	0.12024	5.050	0.02804	0.01331	0.00104	0.04239	5.050	0.042	5.093

211	595606.78	4139773.36	Offsite-1.5m	0.01331	0.01502	0.00995	0.00481	0.00008	0.00675	0.00895	2.36713	2.46698	0.25728	0.12437	5.216	0.02804	0.01351	0.00106	0.04260	5.216	0.043	5.258
212	595636.86	4139746.98	Offsite-1.5m	0.01578	0.01776	0.01167	0.00571	0.00008	0.00722	0.00956	2.80641	2.91702	0.30176	0.14765	6.173	0.02804	0.01445	0.00113	0.04362	6.173	0.044	6.216
213	595563.94	4139821.57	Offsite-1.5m	0.01046	0.01179	0.00790	0.00356	0.00007	0.00565	0.00748	1.86027	1.93647	0.20427	0.09205	4.093	0.02453	0.01131	0.00088	0.03672	4.093	0.037	4.130
214	595569.96	4139816.30	Offsite-1.5m	0.01081	0.01216	0.00816	0.00367	0.00007	0.00574	0.00760	1.92251	1.99724	0.21100	0.09490	4.226	0.02453	0.01149	0.00090	0.03692	4.226	0.037	4.263
215	595575.97	4139811.02	Offsite-1.5m	0.01117	0.01254	0.00842	0.00377	0.00007	0.00583	0.00773	1.98654	2.05965	0.21772	0.09748	4.361	0.02453	0.01167	0.00091	0.03711	4.361	0.037	4.399
216	595581.99	4139805.75	Offsite-1.5m	0.01155	0.01294	0.00870	0.00389	0.00007	0.00593	0.00785	2.05412	2.12535	0.22496	0.10059	4.505	0.02453	0.01187	0.00093	0.03733	4.505	0.037	4.542
217	595588.00	4139800.47	Offsite-1.5m	0.01194	0.01336	0.00898	0.00401	0.00007	0.00602	0.00798	2.12348	2.19433	0.23220	0.10369	4.654	0.02453	0.01205	0.00094	0.03752	4.654	0.038	4.691
218	595594.02	4139795.20	Offsite-1.5m	0.01235	0.01379	0.00927	0.00413	0.00007	0.00611	0.00810	2.19640	2.26496	0.23970	0.10679	4.808	0.02453	0.01223	0.00096	0.03772	4.808	0.038	4.846
219	595606.04	4139784.65	Offsite-1.5m	0.01321	0.01472	0.00989	0.00439	0.00007	0.00630	0.00835	2.34934	2.41771	0.25573	0.11351	5.136	0.02453	0.01261	0.00099	0.03813	5.136	0.038	5.174
220	595612.06	4139779.37	Offsite-1.5m	0.01367	0.01521	0.01022	0.00454	0.00007	0.00639	0.00847	2.43115	2.49819	0.26426	0.11739	5.311	0.02453	0.01279	0.00100	0.03832	5.311	0.038	5.349
221	595618.07	4139774.10	Offsite-1.5m	0.01414	0.01572	0.01055	0.00468	0.00007	0.00648	0.00859	2.51474	2.58196	0.27280	0.12101	5.491	0.02453	0.01297	0.00101	0.03852	5.491	0.039	5.529
222	595624.09	4139768.82	Offsite-1.5m	0.01464	0.01625	0.01090	0.00484	0.00007	0.00657	0.00870	2.60366	2.66901	0.28185	0.12515	5.680	0.02453	0.01315	0.00103	0.03871	5.680	0.039	5.718
223	595630.10	4139763.55	Offsite-1.5m	0.01515	0.01680	0.01125	0.00500	0.00007	0.00665	0.00882	2.69437	2.75934	0.29090	0.12929	5.874	0.02453	0.01331	0.00104	0.03888	5.874	0.039	5.913
224	595636.12	4139758.27	Offsite-1.5m	0.01568	0.01739	0.01162	0.00516	0.00008	0.00674	0.00893	2.78862	2.85625	0.30046	0.13342	6.079	0.02804	0.01349	0.00105	0.04258	6.079	0.043	6.121
225	595642.13	4139753.00	Offsite-1.5m	0.01624	0.01800	0.01200	0.00534	0.00008	0.00682	0.00904	2.88822	2.95644	0.31029	0.13808	6.293	0.02804	0.01365	0.00107	0.04275	6.293	0.043	6.336
226	595569.22	4139827.59	Offsite-1.5m	0.01063	0.01185	0.00803	0.00339	0.00006	0.00538	0.00713	1.89050	1.94632	0.20764	0.08766	4.132	0.02103	0.01077	0.00084	0.03264	4.132	0.033	4.165
227	595575.23	4139822.31	Offsite-1.5m	0.01100	0.01224	0.00830	0.00349	0.00006	0.00546	0.00724	1.95630	2.01038	0.21462	0.09024	4.272	0.02103	0.01093	0.00085	0.03281	4.272	0.033	4.304
228	595581.25	4139817.04	Offsite-1.5m	0.01139	0.01264	0.00859	0.00359	0.00006	0.00555	0.00735	2.02566	2.07608	0.22212	0.09283	4.417	0.02103	0.01111	0.00087	0.03300	4.417	0.033	4.450
229	595587.26	4139811.76	Offsite-1.5m	0.01179	0.01306	0.00889	0.00369	0.00007	0.00563	0.00747	2.09680	2.14506	0.22987	0.09541	4.567	0.02453	0.01127	0.00088	0.03668	4.567	0.037	4.604
230	595593.28	4139806.49	Offsite-1.5m	0.01222	0.01350	0.00920	0.00380	0.00007	0.00572	0.00758	2.17328	2.21733	0.23789	0.09826	4.727	0.02453	0.01145	0.00089	0.03688	4.727	0.037	4.764
231	595599.29	4139801.21	Offsite-1.5m	0.01266	0.01395	0.00952	0.00391	0.00007	0.00581	0.00769	2.25153	2.29124	0.24616	0.10110	4.890	0.02453	0.01163	0.00091	0.03707	4.890	0.037	4.927
232	595611.32	4139790.66	Offsite-1.5m	0.01360	0.01493	0.01020	0.00415	0.00007	0.00598	0.00792	2.41870	2.45220	0.26375	0.10731	5.242	0.02453	0.01197	0.00093	0.03744	5.242	0.037	5.279
233	595617.33	4139785.39	Offsite-1.5m	0.01410	0.01545	0.01056	0.00428	0.00007	0.00606	0.00803	2.50763	2.53761	0.27306	0.11067	5.429	0.02453	0.01213	0.00095	0.03761	5.429	0.038	5.467
234	595623.35	4139780.11	Offsite-1.5m	0.01462	0.01598	0.01093	0.00441	0.00007	0.00614	0.00814	2.60011	2.62466	0.28262	0.11403	5.621	0.02453	0.01229	0.00096	0.03778	5.621	0.038	5.659
235	595629.36	4139774.84	Offsite-1.5m	0.01515	0.01654	0.01131	0.00455	0.00007	0.00622	0.00825	2.69437	2.71664	0.29245	0.11765	5.821	0.02453	0.01245	0.00097	0.03796	5.821	0.038	5.859
236	595635.38	4139769.56	Offsite-1.5m	0.01570	0.01712	0.01169	0.00469	0.00007	0.00630	0.00835	2.79218	2.81190	0.30227	0.12127	6.028	0.02453	0.01261	0.00099	0.03813	6.028	0.038	6.066
237	595641.39	4139764.29	Offsite-1.5m	0.01627	0.01772	0.01209	0.00484	0.00007	0.00638	0.00846	2.89355	2.91045	0.31262	0.12515	6.242	0.02453	0.01277	0.00100	0.03830	6.242	0.038	6.280
238	595647.41	4139759.01	Offsite-1.5m	0.01686	0.01835	0.01249	0.00499	0.00007	0.00646	0.00856	2.99848	3.01392	0.32296	0.12903	6.464	0.02453	0.01293	0.00101	0.03847	6.464	0.038	6.503
239	595590.32	4139851.64	Offsite-1.5m	0.01116	0.01196	0.00849	0.00281	0.00005	0.00449	0.00595	1.98476	1.96439	0.21953	0.07266	4.241	0.01752	0.00899	0.00070	0.02721	4.241	0.027	4.269
240	595596.33	4139846.37	Offsite-1.5m	0.01165	0.01242	0.00887	0.00288	0.00005	0.00455	0.00603	2.07190	2.03994	0.22936	0.07447	4.416	0.01752	0.00911	0.00071	0.02734	4.416	0.027	4.443
241	595602.34	4139841.09	Offsite-1.5m	0.01218	0.01293	0.00928	0.00295	0.00005	0.00461	0.00611	2.16616	2.12371	0.23996	0.07628	4.606	0.01752	0.00923	0.00072	0.02747	4.606	0.027	4.634
242	595608.36	4139835.82	Offsite-1.5m	0.01276	0.01347	0.00973	0.00302	0.00005	0.00467	0.00619	2.26931	2.21240	0.25159	0.07809	4.811	0.01752	0.00935	0.00073	0.02760	4.811	0.028	4.839
243	595614.37	4139830.54	Offsite-1.5m	0.0134	0.0141	0.0102	0.0031	0.00005	0.00474	0.00628	2.37958	2.30766	0.26401	0.08016	5.031	0.01752	0.00949	0.00074	0.02775	5.031	0.028	5.059
244	595620.39	4139825.27	Offsite-1.5m	0.0141	0.0147	0.0107	0.0032	0.00006	0.00480	0.00636	2.50051	2.40950	0.27745	0.08197	5.269	0.02103	0.00961	0.00075	0.03139	5.269	0.031	5.301
245	595626.40	4139820.00	Offsite-1.5m	0.0148	0.0154	0.0113	0.0033	0.00006	0.00486	0.00644	2.63034	2.52118	0.29193	0.08404	5.527	0.02103	0.00973	0.00076	0.03152	5.527	0.032	5.559
246	595632.42	4139814.72	Offsite-1.5m	0.0156	0.0161	0.0119	0.0033	0.00006	0.00492	0.00652	2.77440	2.64108	0.30796	0.08611	5.810	0.02103	0.00985	0.00077	0.03165	5.810	0.032	5.841
247	595638.43	4139809.45	Offsite-1.5m	0.0165	0.0169	0.0126	0.0034	0.00006	0.00498	0.00660	2.92912	2.77248	0.32555	0.08843	6.116	0.02103	0.00997	0.00078	0.03177	6.116	0.032	6.147
248	595644.45	4139804.17	Offsite-1.5m	0.0174	0.0177	0.0133	0.0035	0.00006	0.00504	0.00668	3.09985	2.91373	0.34468	0.09050	6.449	0.02103	0.01009	0.00079	0.03190	6.449	0.032	6.481
249	595650.46	4139798.90	Offsite-1.5m	0.0185	0.0187	0.0141	0.0036	0.00006	0.00510	0.00676	3.28481	3.06813	0.36537	0.09257	6.811	0.02103	0.01021	0.00080	0.03203	6.811	0.032	6.843
250	595656.48	4139793.62	Offsite-1.5m	0.0196	0.0197	0.0150	0.0037	0.00006	0.00516	0.00684	3.48578	3.23237	0.38760	0.09490	7.201	0.02103	0.01033	0.00081	0.03216	7.201	0.032	7.233
251	595662.49	4139788.35	Offsite-1.5m	0.0208	0.0207	0.0159	0.0038	0.00006	0.00522	0.00691	3.69564	3.40647	0.41113	0.09697	7.610	0.02103	0.01045	0.00082	0.03229	7.610	0.032	7.643
252	595668.51	4139783.07	Offsite-1.5m	0.0220	0.0218	0.0168	0.0038	0.00006	0.00527	0.00699	3.91083	3.58386	0.43492	0.09929	8.029	0.02103	0.01055	0.00083	0.03240	8.029	0.032	8.061
253	595595.59	4139857.66	Offsite-1.5m	0.0112	0.0119	0.0086	0.0027	0.00005	0.00430	0.00570	1.99365	1.95618	0.22108	0.06956	4.240	0.01752	0.00861	0.00067	0.02680	4.240	0.027	4.267
254	595601.60	4139852.38	Offsite-1.5m	0.0117	0.0124	0.0090	0.0028	0.00005	0.00436	0.00578	2.08613	2.03666	0.23168	0.07111	4.426	0.01752	0.00873	0.00068	0.02693	4.426	0.027	4.453
255	595607.62	4139847.11	Offsite-1.5m	0.0123	0.0129	0.0094	0.0028	0.00005	0.00442	0.00585	2.18750	2.12371	0.24306	0.07266	4.627	0.01752	0.00885	0.00069	0.02706	4.627	0.027	4.654
256	595613.63	4139841.83	Offsite-1.5m	0.0129	0.0135	0.0099	0.0029	0.00005	0.00447	0.00593	2.29777	2.21733	0.25547	0.07447	4.845	0.01752	0.00895	0.00070	0.02717	4.845	0.027	4.872
257	595619.65	4139836.56	Offsite-1.5m	0.0136	0.0141	0.0104	0.0030	0.00005	0.00453	0.00601	2.41693	2.31752	0.26918	0.07628	5.080	0.01752	0.00907	0.00071	0.02730	5.080	0.027	5.107
258	595625.66	4139831.28	Offsite-1.5m	0.0143	0.0148	0.0110	0.0030	0.00005	0.00459	0.00608	2.54853	2.42756	0.28392	0.07809	5.338	0.01752	0.00919	0.00072	0.02743	5.338	0.027	5.366
259	595631.68	4139826.01	Offsite-1.5m	0.0151	0.0155	0.0116	0.0031	0.00005	0.00465	0.00616	2.69259	2.54911	0.30046	0.07990	5.622	0.01752	0.00931	0.00073	0.02756	5.622	0.028	5.650
260	595637.69	4139820.74	Offsite-1.5m	0.0160	0.0163	0.0123	0.0032	0.00005	0.00470	0.00623	2.85087	2.68050	0.31856	0.08171	5.932	0.01752	0.00941	0.00074	0.02767	5.932	0.028	5.959
261	595643.71	4139815.46	Offsite-1.5m	0.0170	0.0172	0.0131	0.0032	0.00005	0.00476	0.00631	3.02872	2.82668	0.33848	0.08352	6.277	0.01752	0.00953	0.00074	0.02780	6.277	0.028	6.305
262	595649.72	4139810.19	Offsite-1.5m	0.0181	0.0182	0.0140	0.0033	0.00005	0.00482	0.00638	3.22435	2.98765	0.36097	0.08533	6.658	0.01752	0.00965	0.00075	0.02792	6.658	0.028	6.686
263	595655.74	4139804.91	Offsite-1.5m	0.0194	0.0193	0.0149	0.0034	0.00006	0.00487	0.00646	3.44310	3.16503	0.38579	0.08740	7.081	0.02103	0.00975	0.00076	0.03154	7.081	0.032	7.113
264	595661.75	4139799.64	Offsite-1.5m	0.0207	0.0205	0.0160	0.0035	0.00006	0.00493	0.00653	3.68319	3.35884	0.41320	0.08921	7.544	0.02103	0.00987	0.00077	0.03167	7.544	0.032	7.576
265	595667.77	4139794.36	Offsite-1.5m	0.0222	0.0217	0.0171	0.0035	0.00006	0.00498	0.00660	3.94462	3.56908	0.44294	0.09128	8.048	0.02103	0.00997	0.00078	0.03177	8.048	0.032	8.080
266	595673.78	4139789.09	Offsite-1.5m	0.0237	0.0231	0.0183	0.0036	0.00006	0.00503	0.00667	4.21317	3.78917	0.47397	0.09309	8.569	0.02103	0.01007	0.00079	0.03188	8.569	0.032	8.601
267	595600.87	4139863.67	Offsite-1.5m	0.0112	0.0118	0.0086	0.0026	0.00005	0.00413	0.00547	1.99365	1.94304	0.22186	0.06645	4.225	0.01752	0.00827	0.00065	0.02644	4.225	0.026	4.251
268	595606.88	4139858.40	Offsite-1.5m	0.0118	0.0123	0.0090	0.0026	0.00005	0.00418	0.00554	2.09147	2.02516	0.23272	0.06775	4.417	0.01752	0.00837	0.00065	0.02654	4.417	0.027	4.444
269	595612.89	4139853.12	Offsite-1.5m	0.0124	0.0129	0.0095	0.0027	0.00005	0.00424	0.00561	2.19640	2.11550	0.24487	0.06930	4.626	0.01752	0.00849	0.00066	0.02667	4.626	0.027	4.653
270	595618.91	4139847.85	Offsite-1.5m	0.0130	0.0135	0.0100	0.0027	0.00005	0.00429	0.00568	2.31200	2.21240	0.25806	0.07085	4.853	0.01752	0.00859	0.00067	0.02678	4.853	0.027	4.880
271	595624.92	4139842.57	Offsite-1.5m	0.0137	0.0141	0.0106	0.0028	0.00005	0.00434	0.00575	2.44005	2.31916	0.27280	0.07266	5.105	0.01752	0.00869	0.00068	0.02689	5.105	0.027	5.132
272	595630.94	4139837.30	Offsite-1.5m	0.0145	0.0148	0.0112	0.0029	0.00005	0.00440	0.00583	2.58054	2.43578	0.28883	0.07421	5.379	0.01752	0.00881	0.00069	0.02702	5.379	0.027	5.406
273	595636.95	4139832.02	Offsite-1.5m	0.0154	0.0156	0.0119	0.0029	0.00005	0.00445	0.00590	2.73705	2.56389	0.30667	0.07576	5.683	0.01752	0.00891	0.00070	0.02713	5.683	0.027	5.710
274	595642.97	4139826.75	Offsite-1.5m	0.0164	0.0165	0.0126	0.0030	0.00005	0.00450	0.00597	2.91134	2.70678	0.32684	0.07731	6.022	0.01752	0.00901	0.00070	0.02723	6.022	0.027	6.050
275	595648.98	4139821.48	Offsite-1.5m	0.0175	0.0175	0.0135	0.0031	0.00005	0.00455	0.00604	3.10519	2.86610	0.34908	0.07912	6.399	0.01752	0.00911	0.00071	0.02734	6.399	0.027	6.427
276	595655.00	4139816.20	Offsite-1.5m	0.0187	0.0185	0.0145	0.0031	0.00005	0.00461	0.00610	3.32572	3.04349	0.37442	0.08068	6.824	0.01752	0.00923	0.00072	0.02747	6.824	0.027	6.852
277	595661.01	4139810.93	Offsite-1.5m	0.0201	0.0197	0.0156	0.0032	0.00005	0.00466	0.00617	3.57115	3.24058	0.40286	0.08249	7.297	0.01752	0.00933	0.00073	0.02758	7.297	0.028	7.325
278	595667.03	4139805.65	Offsite-1.5m	0.0216	0.0211	0.0168	0.0033	0.00005	0.00471	0.00624	3.84681	3.46068	0.43492	0.08404	7.826	0.01752	0.00943	0.00074	0.02769	7.826	0.028	7.854
279	595673.04	4139800.38	Offsite-1.5m	0.0233	0.0226	0.0182	0.0033	0.00005	0.00476	0.00630	4.14914	3.70376	0.47009	0.08559	8.409	0.01752	0.00953	0.00074	0.02779	8.409	0.028	8.436
280	595679.06	4139795.10	Offsite-1.5m	0.0251	0.0241	0.0196	0.0034	0.00005	0.00480	0.00637	4.46749	3.95998	0.50758	0.08714	9.022	0.01752	0.00961	0.00075	0.02788	9.022	0.028	9.050
281	595606.14	4139869.69	Offsite-1.5m	0.0112	0.0117	0.0086	0.0025	0.00005	0.00397	0.00526	1.98476	1.92168	0.22108	0.06361	4.191	0.01752	0.00795	0.00062	0.02609	4.191	0.026	4.217
282	595612.15	4139864.41	Offsite-1.5m	0.0117	0.0122	0.0090	0.0025	0.00005	0.00402	0.00532	2.08435	2.00545	0.23272	0.06490	4.387	0.01752	0.00805	0.00063	0.02620	4.387	0.026	4.414
283	595678.32	4139806.39	Offsite-1.5m	0.0242	0.0231	0.0190	0.0031	0.00005	0.00455	0.00603	4.29676	3.79410	0.49026	0.08042	8.662	0.01752	0.00911	0.00071	0.02734	8.662	0.027	8.689
284	595684.33	4139801.12	Offsite-1.5m	0.0262	0.0248	0.0206	0.0032	0.00005	0.00459	0.00609	4.65067	4.07824	0.53241	0.08171	9.343	0.01752	0.00919	0.00072	0.02743	9.343	0.027	9.370
285	595611.41	4139875.70	Offsite-1.5m	0.0111	0.0115	0.0085	0.0024	0.00004	0.00382	0.00506	1.96520	1.89212	0.21927	0.06077	4.137	0.01402	0.00765	0.00060	0.02226	4.137	0.022	4.160
286	595617.43	4139870.43	Offsite-1.5m	0.0116	0.0120	0.0089	0.0024	0.00004	0.00386	0.00512	2.06657	1.97753	0.23117	0.06206	4.337	0.01402	0.00773	0.00060	0.02235	4.337	0.022	4.360
287	595683.59	4139812.41	Offsite-1.5m	0.0246	0.0234	0.0195	0.0029	0.00005	0.00436	0.00577	4.38212	3.84008	0.50293	0.07550	8.801	0.01752	0.00873	0.00068	0.02693	8.801	0.027	8.828

288	595689.61	4139807.13	Offsite-1.5m	0.0268	0.0252	0.0212	0.0030	0.00005	0.00440	0.00583	4.75916	4.14230	0.54818	0.07654	9.526	0.01752	0.00881	0.00069	0.02702	9.526	0.027	9.553
289	595616.69	4139881.72	Offsite-1.5m	0.0109	0.0113	0.0084	0.0023	0.00004	0.00367	0.00487	1.93318	1.85434	0.21617	0.05818	4.062	0.01402	0.00734	0.00057	0.02194	4.062	0.022	4.084
290	595622.70	4139876.44	Offsite-1.5m	0.0115	0.0118	0.0088	0.0023	0.00004	0.00371	0.00492	2.03634	1.93975	0.22806	0.05921	4.263	0.01402	0.00742	0.00058	0.02202	4.263	0.022	4.285
291	595628.72	4139871.17	Offsite-1.5m	0.0121	0.0124	0.0093	0.0023	0.00004	0.00376	0.00498	2.14838	2.03337	0.24099	0.06025	4.483	0.01402	0.00752	0.00059	0.02213	4.483	0.022	4.505
292	595634.73	4139865.89	Offsite-1.5m	0.0128	0.0130	0.0099	0.0024	0.00004	0.00380	0.00504	2.27287	2.13521	0.25547	0.06154	4.725	0.01402	0.00760	0.00059	0.02222	4.725	0.022	4.747
293	595640.75	4139860.62	Offsite-1.5m	0.0136	0.0137	0.0105	0.0024	0.00004	0.00384	0.00509	2.41337	2.24854	0.27176	0.06258	4.996	0.01402	0.00769	0.00060	0.02231	4.996	0.022	5.019
294	595664.81	4139839.52	Offsite-1.5m	0.0178	0.0174	0.0139	0.0026	0.00005	0.00401	0.00532	3.16566	2.85461	0.35994	0.06697	6.447	0.01752	0.00803	0.00063	0.02618	6.447	0.026	6.473
295	595670.82	4139834.24	Offsite-1.5m	0.0192	0.0186	0.0151	0.0026	0.00005	0.00405	0.00537	3.42175	3.05827	0.39019	0.06801	6.938	0.01752	0.00811	0.00063	0.02626	6.938	0.026	6.964
296	595676.84	4139828.97	Offsite-1.5m	0.0209	0.0200	0.0164	0.0027	0.00005	0.00410	0.00543	3.71342	3.28986	0.42484	0.06904	7.497	0.01752	0.00821	0.00064	0.02637	7.497	0.026	7.524
297	595682.85	4139823.70	Offsite-1.5m	0.0227	0.0216	0.0180	0.0027	0.00005	0.00414	0.00548	4.04422	3.55101	0.46414	0.07007	8.129	0.01752	0.00829	0.00065	0.02646	8.129	0.026	8.156
298	595688.87	4139818.42	Offsite-1.5m	0.0248	0.0234	0.0197	0.0027	0.00005	0.00418	0.00553	4.41058	3.84173	0.50810	0.07085	8.831	0.01752	0.00837	0.00065	0.02654	8.831	0.027	8.858
299	595694.88	4139813.15	Offsite-1.5m	0.02699	0.02529	0.02147	0.00278	0.00005	0.00421	0.00558	4.80006	4.15380	0.55516	0.07188	9.581	0.01752	0.00843	0.00066	0.02661	9.581	0.0266	9.608
300	595621.96	4139887.73	Offsite-1.5m	0.0106	0.0110	0.0082	0.0022	0.00004	0.00354	0.00469	1.89228	1.81000	0.21177	0.05559	3.970	0.01402	0.00708	0.00055	0.02166	3.970	0.022	3.991
301	595627.98	4139882.46	Offsite-1.5m	0.0112	0.0115	0.0086	0.0022	0.00004	0.00358	0.00474	1.99365	1.89376	0.22341	0.05663	4.167	0.01402	0.00716	0.00056	0.02174	4.167	0.022	4.189
302	595633.99	4139877.18	Offsite-1.5m	0.0118	0.0121	0.0092	0.0022	0.00004	0.00362	0.00479	2.10570	1.98574	0.23660	0.05766	4.386	0.01402	0.00724	0.00057	0.02183	4.386	0.022	4.408
303	595640.01	4139871.91	Offsite-1.5m	0.0125	0.0127	0.0097	0.0023	0.00004	0.00366	0.00485	2.23019	2.08593	0.25082	0.05870	4.626	0.01402	0.00732	0.00057	0.02192	4.626	0.022	4.648
304	595646.02	4139866.63	Offsite-1.5m	0.0133	0.0134	0.0103	0.0023	0.00004	0.00370	0.00490	2.36891	2.19926	0.26711	0.05973	4.895	0.01402	0.00740	0.00058	0.02200	4.895	0.022	4.917
305	595670.08	4139845.53	Offsite-1.5m	0.0176	0.0171	0.0138	0.0025	0.00004	0.00385	0.00511	3.12475	2.80533	0.35606	0.06335	6.349	0.01402	0.00771	0.00060	0.02233	6.349	0.022	6.372
306	595676.10	4139840.26	Offsite-1.5m	0.0190	0.0183	0.0150	0.0025	0.00004	0.00389	0.00516	3.38441	3.01064	0.38657	0.06439	6.846	0.01402	0.00779	0.00061	0.02241	6.846	0.022	6.868
307	595682.11	4139834.98	Offsite-1.5m	0.0207	0.0198	0.0163	0.0025	0.00004	0.00393	0.00521	3.67963	3.24387	0.42174	0.06516	7.410	0.01402	0.00787	0.00061	0.02250	7.410	0.022	7.433
308	595688.13	4139829.71	Offsite-1.5m	0.0226	0.0214	0.0179	0.0026	0.00004	0.00397	0.00526	4.01398	3.50831	0.46182	0.06594	8.050	0.01402	0.00795	0.00062	0.02259	8.050	0.023	8.073
309	595694.14	4139824.43	Offsite-1.5m	0.0247	0.0232	0.0196	0.0026	0.00005	0.00401	0.00531	4.38568	3.80231	0.50629	0.06671	8.761	0.01752	0.00803	0.00063	0.02618	8.761	0.026	8.787
310	595700.16	4139819.16	Offsite-1.5m	0.0269	0.0251	0.0214	0.0026	0.00005	0.00404	0.00536	4.77872	4.11602	0.55413	0.06723	9.516	0.01752	0.00809	0.00063	0.02624	9.516	0.026	9.542
311	595627.24	4139893.75	Offsite-1.5m	0.0104	0.0107	0.0080	0.0021	0.00004	0.00341	0.00452	1.84070	1.75744	0.20608	0.05327	3.857	0.01402	0.00682	0.00053	0.02138	3.857	0.021	3.879
312	595633.25	4139888.47	Offsite-1.5m	0.0109	0.0112	0.0084	0.0021	0.00004	0.00345	0.00457	1.94030	1.83792	0.21746	0.05404	4.050	0.01402	0.00690	0.00054	0.02146	4.050	0.021	4.071
313	595639.27	4139883.20	Offsite-1.5m	0.0115	0.0117	0.0089	0.0021	0.00004	0.00348	0.00462	2.04878	1.92825	0.23013	0.05508	4.262	0.01402	0.00696	0.00055	0.02153	4.262	0.022	4.284
314	595645.28	4139877.92	Offsite-1.5m	0.0122	0.0123	0.0095	0.0022	0.00004	0.00352	0.00467	2.17150	2.02680	0.24435	0.05585	4.499	0.01402	0.00704	0.00055	0.02162	4.499	0.022	4.520
315	595651.30	4139872.65	Offsite-1.5m	0.0130	0.0130	0.0101	0.0022	0.00004	0.00356	0.00471	2.30666	2.13685	0.26039	0.05663	4.761	0.01402	0.00712	0.00056	0.02170	4.761	0.022	4.782
316	595675.36	4139851.55	Offsite-1.5m	0.0172	0.0167	0.0135	0.0023	0.00004	0.00370	0.00491	3.05539	2.73471	0.34830	0.05999	6.198	0.01402	0.00740	0.00058	0.02200	6.198	0.022	6.220
317	595681.37	4139846.27	Offsite-1.5m	0.0186	0.0179	0.0147	0.0024	0.00004	0.00374	0.00496	3.31149	2.93837	0.37881	0.06077	6.689	0.01402	0.00748	0.00059	0.02209	6.689	0.022	6.712
318	595687.39	4139841.00	Offsite-1.5m	0.0203	0.0193	0.0160	0.0024	0.00004	0.00378	0.00500	3.60671	3.16832	0.41372	0.06154	7.250	0.01402	0.00756	0.00059	0.02217	7.250	0.022	7.272
319	595693.40	4139835.72	Offsite-1.5m	0.0222	0.0209	0.0175	0.0024	0.00004	0.00381	0.00505	3.93929	3.43111	0.45354	0.06206	7.886	0.01402	0.00763	0.00060	0.02224	7.886	0.022	7.908
320	595699.42	4139830.45	Offsite-1.5m	0.0242	0.0227	0.0193	0.0024	0.00004	0.00385	0.00510	4.30743	3.72183	0.49802	0.06258	8.590	0.01402	0.00771	0.00060	0.02233	8.590	0.022	8.612
321	595705.43	4139825.17	Offsite-1.5m	0.0264	0.0246	0.0211	0.0024	0.00004	0.00388	0.00514	4.69869	4.03390	0.54559	0.06309	9.341	0.01402	0.00777	0.00061	0.02239	9.341	0.022	9.364
322	595538.00	4139862.21	Offsite-1.5m	0.0088	0.0099	0.0067	0.0028	0.00006	0.00476	0.00631	1.56860	1.63261	0.17299	0.07318	3.447	0.02103	0.00953	0.00074	0.03130	3.447	0.031	3.479
323	595543.28	4139868.23	Offsite-1.5m	0.0089	0.0099	0.0067	0.0027	0.00005	0.00456	0.00604	1.57749	1.62768	0.17376	0.07007	3.449	0.01752	0.00913	0.00071	0.02736	3.449	0.027	3.476
324	595548.55	4139874.24	Offsite-1.5m	0.0089	0.0099	0.0067	0.0026	0.00005	0.00437	0.00579	1.58105	1.61947	0.17428	0.06723	3.442	0.01752	0.00875	0.00068	0.02695	3.442	0.027	3.469
325	595518.51	4139839.13	Offsite-1.5m	0.0086	0.0099	0.0066	0.0033	0.00007	0.00567	0.00752	1.52414	1.63261	0.16937	0.08636	3.412	0.02453	0.01135	0.00089	0.03677	3.412	0.037	3.449
326	595523.78	4139845.14	Offsite-1.5m	0.0087	0.0100	0.0066	0.0032	0.00006	0.00541	0.00716	1.54015	1.63590	0.17040	0.08274	3.429	0.02103	0.01083	0.00085	0.03270	3.429	0.033	3.462
327	595529.06	4139851.16	Offsite-1.5m	0.0087	0.0100	0.0066	0.0031	0.00006	0.00516	0.00684	1.55259	1.63754	0.17169	0.07912	3.441	0.02103	0.01033	0.00081	0.03216	3.441	0.032	3.473
328	595423.72	4139795.40	Offsite-1.5m	0.0066	0.0081	0.0055	0.0043	0.00012	0.00983	0.01303	1.16489	1.32547	0.14325	0.11067	2.744	0.04206	0.01967	0.00154	0.06327	2.744	0.063	2.808
329	595431.44	4139793.30	Offsite-1.5m	0.0067	0.0083	0.0057	0.0044	0.00012	0.00989	0.01310	1.19690	1.35832	0.14661	0.11300	2.815	0.04206	0.01979	0.00155	0.06340	2.815	0.063	2.878
330	595437.60	4139800.23	Offsite-1.5m	0.0068	0.0084	0.0057	0.0043	0.00011	0.00916	0.01214	1.21647	1.37803	0.14713	0.10989	2.852	0.03855	0.01833	0.00143	0.05832	2.852	0.058	2.910
331	595439.69	4139807.95	Offsite-1.5m	0.0069	0.0084	0.0056	0.0041	0.00010	0.00853	0.01130	1.21824	1.37639	0.14584	0.10576	2.846	0.03505	0.01707	0.00133	0.05345	2.846	0.053	2.900
332	595441.79	4139815.67	Offsite-1.5m	0.0069	0.0084	0.0056	0.0039	0.00010	0.00797	0.01056	1.22002	1.37310	0.14454	0.10188	2.840	0.03505	0.01595	0.00125	0.05225	2.840	0.052	2.892
333	595434.00	4139827.35	Offsite-1.5m	0.0066	0.0081	0.0054	0.0037	0.00009	0.00738	0.00978	1.17912	1.32711	0.13911	0.09541	2.741	0.03154	0.01477	0.00115	0.04747	2.741	0.047	2.788
334	595441.56	4139824.72	Offsite-1.5m	0.0068	0.0083	0.0055	0.0038	0.00009	0.00743	0.00985	1.20935	1.35832	0.14222	0.09697	2.807	0.03154	0.01487	0.00116	0.04758	2.807	0.048	2.854
335	595393.07	4139720.73	Offsite-1.5m	0.0057	0.0072	0.0055	0.0051	0.00033	0.02915	0.03863	1.01906	1.17765	0.14299	0.13110	2.471	0.11566	0.05834	0.00456	0.17856	2.471	0.179	2.649
336	595399.43	4139715.87	Offsite-1.5m	0.0059	0.0073	0.0057	0.0053	0.00037	0.03318	0.04398	1.04218	1.20228	0.14687	0.13575	2.527	0.12968	0.06640	0.00519	0.20127	2.527	0.201	2.728
337	595407.75	4139719.97	Offsite-1.5m	0.0061	0.0076	0.0058	0.0054	0.00033	0.03008	0.03987	1.08308	1.24663	0.15101	0.13963	2.620	0.11566	0.06020	0.00471	0.18057	2.620	0.181	2.801
338	595412.60	4139726.33	Offsite-1.5m	0.0063	0.0078	0.0059	0.0054	0.00029	0.02583	0.03424	1.11154	1.27620	0.15282	0.13989	2.680	0.10164	0.05169	0.00404	0.15738	2.680	0.157	2.838
339	595417.46	4139732.68	Offsite-1.5m	0.0064	0.0080	0.0060	0.0054	0.00026	0.02247	0.02978	1.13821	1.30576	0.15437	0.13989	2.738	0.09113	0.04497	0.00351	0.13961	2.738	0.140	2.878
340	595420.66	4139741.15	Offsite-1.5m	0.0065	0.0081	0.0060	0.0053	0.00022	0.01919	0.02543	1.15778	1.32547	0.15463	0.13756	2.775	0.07711	0.03841	0.00300	0.11851	2.775	0.119	2.894
341	595425.38	4139749.45	Offsite-1.5m	0.0066	0.0082	0.0060	0.0052	0.00019	0.01666	0.02208	1.18090	1.35175	0.15515	0.13523	2.823	0.06659	0.03334	0.00261	0.10254	2.823	0.103	2.926
342	595429.85	4139756.09	Offsite-1.5m	0.0068	0.0084	0.0060	0.0052	0.00018	0.01500	0.01988	1.20224	1.37310	0.15566	0.13342	2.864	0.06309	0.03002	0.00235	0.09545	2.864	0.095	2.960
343	595420.08	4139768.63	Offsite-1.5m	0.0065	0.0081	0.0057	0.0048	0.00016	0.01313	0.01740	1.15778	1.32547	0.14816	0.12386	2.755	0.05608	0.02628	0.00205	0.08441	2.755	0.084	2.840
344	595428.44	4139764.22	Offsite-1.5m	0.0067	0.0083	0.0059	0.0050	0.00016	0.01358	0.01800	1.19512	1.36489	0.15282	0.12851	2.841	0.05608	0.02718	0.00212	0.08538	2.841	0.085	2.927
345	595489.36	4139807.39	Offsite-1.5m	0.0081	0.0097	0.0064	0.0042	0.00009	0.00757	0.01003	1.43522	1.58991	0.16497	0.10783	3.298	0.03154	0.01515	0.00118	0.04788	3.298	0.048	3.346
346	595489.55	4139815.39	Offsite-1.5m	0.0080	0.0096	0.0063	0.0040	0.00008	0.00713	0.00945	1.42455	1.57184	0.16264	0.10265	3.262	0.02804	0.01427	0.00112	0.04342	3.262	0.043	3.305
347	595489.74	4139823.39	Offsite-1.5m	0.0079	0.0095	0.0062	0.0038	0.00008	0.00673	0.00892	1.41210	1.55377	0.16032	0.09748	3.224	0.02804	0.01347	0.00105	0.04256	3.224	0.043	3.266
348	595546.71	4139912.61	Offsite-1.5m	0.0078	0.0086	0.0059	0.0021	0.00004	0.00365	0.00484	1.38008	1.40431	0.15230	0.05430	2.991	0.01402	0.00730	0.00057	0.02190	2.991	0.022	3.013
349	595554.19	4139915.43	Offsite-1.5m	0.0078	0.0085	0.0059	0.0021	0.00004	0.00356	0.00472	1.38542	1.40267	0.15334	0.05301	2.994	0.01402	0.00712	0.00056	0.02170	2.994	0.022	3.016
350	595561.68	4139918.24	Offsite-1.5m	0.0078	0.0085	0.0060	0.0020	0.00004	0.00347	0.00460	1.39075	1.39938	0.15385	0.05172	2.996	0.01402	0.00694	0.00054	0.02151	2.996	0.022	3.017
351	595580.00	4139924.04	Offsite-1.5m	0.0078	0.0085	0.0060	0.0019	0.00004	0.00328	0.00434	1.39431	1.38953	0.15463	0.04913	2.988	0.01402	0.00656	0.00051	0.02110	2.988	0.021	3.009
352	595587.54	4139926.71	Offsite-1.5m	0.0078	0.0084	0.0060	0.0019	0.00004	0.00320	0.00424	1.38898	1.37803	0.15437	0.04784	2.969	0.01402	0.00640	0.00050	0.02092	2.969	0.021	2.990
353	595595.08	4139929.39	Offsite-1.5m	0.0078	0.0083	0.0059	0.0018	0.00004	0.00312	0.00414	1.38008	1.36489	0.15334	0.04680	2.945	0.01402	0.00624	0.00049	0.02075	2.945	0.021	2.966
354	595605.09	4139959.39	Offsite-1.5m	0.0064	0.0070	0.0049	0.0015	0.00003	0.00273	0.00362	1.14177	1.14316	0.12670	0.03982	2.451	0.01051	0.00546	0.00043	0.01641	2.451	0.016	2.468
355	595601.90	4139966.73	Offsite-1.5m	0.0061	0.0067	0.0047	0.0015	0.00003	0.00267	0.00354	1.08842	1.09552	0.12075	0.03879	2.343	0.01051	0.00534	0.00042	0.01628	2.343	0.016	2.360
356	595598.72	4139974.07	Offsite-1.5m	0.0058	0.0064	0.0045	0.0015	0.00003	0.00261	0.00346	1.03862	1.05118	0.11507	0.03749	2.242	0.01051	0.00522	0.00041	0.01615	2.242	0.016	2.259
357	595631.69	4139982.64	Offsite-1.5m	0.0054	0.0059	0.0041	0.0013	0.00003	0.00240	0.00319	0.96037	0.97398	0.10627	0.03413	2.075	0.01051	0.00480	0.00038	0.01569	2.075	0.016	2.090
358	595638.84	4139986.22	Offsite-1.5m	0.0052	0.0058	0.0040	0.0013	0.00003	0.00235	0.00311	0.93013	0.94606	0.10291	0.03310	2.012	0.01051	0.00470	0.00037	0.01558	2.012	0.016	2.028
359	595645.99	4139989.81	Offsite-1.5m	0.0051	0.0056	0.0038	0.0012	0.00003	0.00229	0.00304	0.89990	0.91814	0.09929	0.03206	1.949	0.01051	0.00458	0.00036	0.01546	1.949	0.015	1.965
360	595658.19	4139997.65	Offsite-1.5m	0.0047	0.0053	0.0036	0.0012	0.00003	0.00219	0.00290	0.84121	0.86558	0.09257	0.02999	1.829	0.01051	0.00438	0.00034	0.01524	1.829	0.015	1.845
361	595663.47	4140003.67	Offsite-1.5m	0.0045	0.0051	0.0034	0.0011	0.00002	0.00213	0.00282	0.80208	0.83109	0.08817	0.02896	1.750	0.00701	0.00426	0.00033	0.01161	1.750	0.012	1.762
362	595668.74	4140009.68	Offsite-1.5m	0.0043	0.0049	0.0033	0.0011	0.00002	0.00207	0.00274	0.76652	0.79824	0.08430	0.02767	1.677	0.00701	0.00414	0.00032	0.01148	1.677	0.011	1.688
		Max		**0.02699**	**0.02529**	**0.02147**	**0.01349**	**0.00104**	**0.13784**	**0.18266**	**4.800**	**4.154**	**0.555**	**0.349**	**9.581**	**0.365**	**0.276**	**0.022**	**0.662**	**9.581**	**0.662**	**9.608**

681 E Trimble/Seeley Residential - Construction & Operation Sources - TACs & PM2.5
AERMOD Risk Modeling Parameters and Maximum Concentrations
Maximum Cancer Risk Calculations for Project Construction and Operation- Mitigated
Off-Site Residential Receptors - 1.5 meter Receptor Heights

Receptor Information

Number of Receptors	362
Receptor Height =	1st floor level
Receptor distances =	at sensitive residential receptor locations

Meteorological Conditions

BAAQMD San Jose Airport	2013-2017
Land Use Classification	urban
Wind speed =	variable
Wind direction =	variable

Off-Site MEI Maximum Concentrations

Emission Years	Concentration ($\mu g/m^3$)		
	DPM	Exhaust TOG	Evaporative TOG
2024 - Construction	0.00388	0.0000	0.0000
2025 - Construction	0.00405	0.0000	0.0000
2026 - Construction	0.00348	0.0000	0.0000
2027 - Construction	0.00050	0.0000	0.0000
2028-2053 - Roads	0.00005	0.0042	0.0056
Emission Year	**Maximum Total PM2.5 Concentration (μg/m3)***		
2028-2053	0.14		

* Maximum PM2.5 concetration from project traffic

681 E Trimble/Seeley Residential, San Jose - Project Impacts

Maximum Cancer Risk Calculations for Project Construction and Operation- Mitigated
Off-Site Residential Receptors - 1.5 meter Receptor Heights
Residential Exposure (30-year)

Cancer Risk Calculation Method

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)
10^{-6} = Conversion factor

Values

Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$

TAC	CPF
DPM	1.10E+00
Vehicle TOG Exhaust	6.28E-03
Vehicle TOG Evaporative	3.70E-04

	Infant/Child			Adult
Age --> Parameter	3rd Trimester	0 - <2	2 - <16	16 - 30
ASF	10	10	3	1
DBR* =	361	1090	572	261
A =	1	1	1	1
EF =	350	350	350	350
ED =	0.25	2	14	14
AT =	70	70	70	70
FAH =	1.00	1.00	1.00	0.73

* 95th percentile breathing rates for infants and 80th percentile for children and adults

Road Traffic Cancer Risk by Year - Maximum Impact Receptor Location

				Maximum - Exposure Information				Cancer Risk (per million)			
				Age	Annual TAC Conc (ug/m3)						
Exposure Year	Year	Exposure Duration (years)	Age	Sensitivity Factor	DPM	Exhaust TOG	Evaporative TOG	DPM	Exhaust TOG	Evaporative TOG	Total
3rd Trimester	2024	0.25	-0.25 - 0*	10	0.0039	0.0000	0.0000	0.053	0.0000	0.0000	0.05
1	2024	1	1	10	0.0039	0.0000	0.0000	0.64	0.0000	0.0000	0.64
2	2025	1	2	10	0.0041	0.0000	0.0000	0.67	0.0000	0.0000	0.665
3	2026	1	3	3	0.0035	0.0000	0.0000	0.09	0.0000	0.0000	0.090
4	2027	1	4	3	0.0005	0.0000	0.0000	0.01	0.0000	0.0000	0.013
5	2028	1	5	3	0.0001	0.0042	0.0056	0.00	0.0006	0.0000	0.002
6	2029	1	6	3	0.0001	0.0042	0.0056	0.00	0.0006	0.0000	0.002
7	2030	1	7	3	0.0001	0.0042	0.0056	0.00	0.0006	0.0000	0.002
8	2031	1	8	3	0.0001	0.0042	0.0056	0.00	0.0006	0.0000	0.002
9	2032	1	9	3	0.0001	0.0042	0.0056	0.00	0.0006	0.0000	0.002
10	2033	1	10	3	0.0001	0.0042	0.0056	0.00	0.0006	0.0000	0.002
11	2034	1	11	3	0.0001	0.0042	0.0056	0.00	0.0006	0.0000	0.002
12	2035	1	12	3	0.0001	0.0042	0.0056	0.00	0.0006	0.0000	0.002
13	2036	1	13	3	0.0001	0.0042	0.0056	0.00	0.0006	0.0000	0.002
14	2037	1	14	3	0.0001	0.0042	0.0056	0.00	0.0006	0.0000	0.002
15	2038	1	15	3	0.0001	0.0042	0.0056	0.00	0.0006	0.0000	0.002
16	2039	1	16	3	0.0001	0.0042	0.0056	0.00	0.0006	0.0000	0.002
17	2040	1	17	1	0.0001	0.0042	0.0056	0.000	0.0001	0.0000	0.000
18	2041	1	18	1	0.0001	0.0042	0.0056	0.000	0.0001	0.0000	0.000
19	2042	1	19	1	0.0001	0.0042	0.0056	0.000	0.0001	0.0000	0.000
20	2043	1	20	1	0.0001	0.0042	0.0056	0.000	0.0001	0.0000	0.000
21	2044	1	21	1	0.0001	0.0042	0.0056	0.000	0.0001	0.0000	0.000
22	2045	1	22	1	0.0001	0.0042	0.0056	0.000	0.0001	0.0000	0.000
23	2046	1	23	1	0.0001	0.0042	0.0056	0.000	0.0001	0.0000	0.000
24	2047	1	24	1	0.0001	0.0042	0.0056	0.000	0.0001	0.0000	0.000
25	2048	1	25	1	0.0001	0.0042	0.0056	0.000	0.0001	0.0000	0.000
26	2049	1	26	1	0.0001	0.0042	0.0056	0.000	0.0001	0.0000	0.000
27	2050	1	27	1	0.0001	0.0042	0.0056	0.000	0.0001	0.0000	0.000
28	2051	1	28	1	0.0001	0.0042	0.0056	0.000	0.0001	0.0000	0.000
29	2052	1	29	1	0.0001	0.0042	0.0056	0.000	0.0001	0.0000	0.000
30	2053	1	30	1	0.0001	0.0042	0.0056	0.000	0.0001	0.0000	0.000
Total Increased Cancer Risk								1.4757	0.0084	0.0007	**1.48**

* Third trimester of pregnancy

681 E Trimble/Seeley Residential, San Jose - Project Impacts
Cancer Risk Calculations for Project Construction and Operation- With Mitigation
at Off-Site Residential Receptors

Exposure Types and Durations (years) for Cancer Risk Calculations - Project Impac

	2024	2025	2026	2027	2028-2053
Year(s) ->	2024	2025	2026	2027	2028-2053
Duration ->	1	1	1	1	25
Activity ->	Construct	Construct	Construct	Construct	Local Roads- Project Traffic
Exposure Type					
3rd Trimester (10)	0.25	0	0	0	0
Infant (10)	1	1	0	0	0
Child (3)	0	0	1	1	12
Adult (1)	0	0	0	0	14

	Receptor Coordinates			2024	2025	2026	2027	2028-2053			2024	2025	2026	2027		2028-2053			Local	Total - Cancer Risk		
				Construction				Local Roads- Project Traffic			Construction Cancer Risk (per million)				Total Construction	Local Roads- Project Traffic Cancer Risk (per million)			Roads Cancer	Cancer Risk (per million)		
Receptor No.	UTM-X (m)	UTM-Y (m)	Description	DPM	DPM	DPM	DPM	DPM	Exh TOG	Evap TOG	Risk	Risk	Risk	Risk	Risk	DPM	Exh TOG	Evap TOG	Risk	Construction	Roads	TOTAL
1	595442.62	4139683.23	Offsite-1.5m	0.00102	0.00147	0.00139	0.00123	0.00068	0.07930	0.10509	0.18140	0.24144	0.03594	0.03180	0.491	0.23833	0.15870	0.01240	0.40944	0.491	0.409	0.900
2	595448.64	4139677.96	Offsite-1.5m	0.00104	0.00150	0.00143	0.00128	0.00073	0.08828	0.11699	0.18496	0.24637	0.03698	0.03310	0.501	0.25585	0.17668	0.01381	0.44634	0.501	0.446	0.948
3	595454.65	4139672.68	Offsite-1.5m	0.00106	0.00153	0.00148	0.00133	0.00079	0.09692	0.12844	0.18852	0.25130	0.03827	0.03439	0.512	0.27688	0.19397	0.01516	0.48601	0.512	0.486	0.998
4	595460.67	4139667.41	Offsite-1.5m	0.00108	0.00156	0.00153	0.00139	0.00083	0.10453	0.13852	0.19207	0.25622	0.03956	0.03594	0.524	0.29090	0.20920	0.01635	0.51645	0.524	0.516	1.040
5	595466.68	4139662.13	Offsite-1.5m	0.00111	0.00160	0.00158	0.00145	0.00087	0.11110	0.14724	0.19741	0.26279	0.04085	0.03749	0.539	0.30492	0.22235	0.01738	0.54465	0.539	0.545	1.083
6	595472.70	4139656.86	Offsite-1.5m	0.00113	0.00163	0.00164	0.00152	0.00091	0.11655	0.15445	0.20097	0.26772	0.04241	0.03930	0.550	0.31894	0.23325	0.01823	0.57042	0.550	0.570	1.121
7	595484.73	4139646.31	Offsite-1.5m	0.00118	0.00170	0.00176	0.00167	0.00096	0.12494	0.16556	0.20986	0.27922	0.04551	0.04318	0.578	0.33647	0.25004	0.01954	0.60605	0.578	0.606	1.184
8	595490.74	4139641.03	Offsite-1.5m	0.00121	0.00173	0.00182	0.00175	0.00098	0.12816	0.16984	0.21519	0.28415	0.04706	0.04525	0.592	0.34347	0.25649	0.02005	0.62001	0.592	0.620	1.212
9	595496.75	4139635.76	Offsite-1.5m	0.00124	0.00177	0.00189	0.00183	0.00100	0.13082	0.17336	0.22053	0.29072	0.04887	0.04732	0.607	0.35048	0.26181	0.02046	0.63276	0.607	0.633	1.240
10	595502.77	4139630.48	Offsite-1.5m	0.00127	0.00181	0.00197	0.00193	0.00101	0.13305	0.17632	0.22586	0.29729	0.05094	0.04991	0.624	0.35399	0.26627	0.02081	0.64108	0.624	0.641	1.265
11	595508.78	4139625.21	Offsite-1.5m	0.00130	0.00185	0.00205	0.00203	0.00102	0.13493	0.17880	0.23120	0.30386	0.05301	0.05249	0.641	0.35749	0.27004	0.02110	0.64864	0.641	0.649	1.289
12	595514.80	4139619.93	Offsite-1.5m	0.00133	0.00189	0.00213	0.00214	0.00104	0.13651	0.18090	0.23654	0.31043	0.05508	0.05534	0.657	0.36450	0.27320	0.02135	0.65905	0.657	0.659	1.316
13	595520.81	4139614.66	Offsite-1.5m	0.00137	0.00193	0.00222	0.00226	0.00104	0.13784	0.18266	0.24365	0.31700	0.05740	0.05844	0.676	0.36450	0.27586	0.02156	0.66192	0.676	0.662	1.338
14	595447.90	4139689.25	Offsite-1.5m	0.00105	0.00152	0.00141	0.00124	0.00052	0.05492	0.07277	0.18674	0.24965	0.03646	0.03206	0.505	0.18225	0.10991	0.00859	0.30075	0.505	0.301	0.806
15	595453.91	4139683.97	Offsite-1.5m	0.00107	0.00155	0.00146	0.00130	0.00055	0.05963	0.07902	0.19030	0.25458	0.03775	0.03361	0.516	0.19277	0.11934	0.00933	0.32143	0.516	0.321	0.838
16	595459.93	4139678.70	Offsite-1.5m	0.00110	0.00158	0.00151	0.00135	0.00058	0.06449	0.08546	0.19563	0.25951	0.03904	0.03491	0.529	0.20328	0.12906	0.01009	0.34243	0.529	0.342	0.872
17	595465.94	4139673.42	Offsite-1.5m	0.00112	0.00161	0.00156	0.00141	0.00062	0.06939	0.09195	0.19919	0.26444	0.04034	0.03646	0.540	0.21730	0.13887	0.01085	0.36702	0.540	0.367	0.907
18	595471.96	4139668.15	Offsite-1.5m	0.00115	0.00165	0.00161	0.00148	0.00065	0.07401	0.09808	0.20452	0.27101	0.04163	0.03827	0.555	0.22781	0.14812	0.01158	0.38751	0.555	0.388	0.943
19	595477.97	4139662.87	Offsite-1.5m	0.00118	0.00168	0.00167	0.00155	0.00067	0.07832	0.10378	0.20986	0.27593	0.04318	0.04008	0.569	0.23482	0.15674	0.01225	0.40382	0.569	0.404	0.973
20	595490.00	4139652.32	Offsite-1.5m	0.00123	0.00176	0.00179	0.00170	0.00072	0.08557	0.11339	0.21875	0.28907	0.04628	0.04396	0.598	0.25235	0.17125	0.01338	0.43698	0.598	0.437	1.035
21	595496.01	4139647.05	Offsite-1.5m	0.00126	0.00180	0.00186	0.00179	0.00074	0.08855	0.11735	0.22409	0.29564	0.04810	0.04628	0.614	0.25936	0.17722	0.01385	0.45043	0.614	0.450	1.065
22	595502.03	4139641.77	Offsite-1.5m	0.00129	0.00184	0.00193	0.00188	0.00076	0.09118	0.12083	0.22942	0.30221	0.04991	0.04861	0.630	0.26637	0.18248	0.01426	0.46311	0.630	0.463	1.093
23	595508.04	4139636.50	Offsite-1.5m	0.00132	0.00188	0.00201	0.00198	0.00077	0.09346	0.12385	0.23476	0.30878	0.05197	0.05120	0.647	0.26987	0.18704	0.01462	0.47153	0.647	0.472	1.118
24	595514.06	4139631.22	Offsite-1.5m	0.00136	0.00192	0.00210	0.00208	0.00078	0.09546	0.12651	0.24187	0.31535	0.05430	0.05378	0.665	0.27338	0.19105	0.01493	0.47936	0.665	0.479	1.145
25	595520.07	4139625.95	Offsite-1.5m	0.00139	0.00196	0.00219	0.00220	0.00079	0.09720	0.12881	0.24721	0.32192	0.05663	0.05689	0.683	0.27688	0.19453	0.01520	0.48661	0.683	0.487	1.169
26	595526.09	4139620.67	Offsite-1.5m	0.00143	0.00201	0.00228	0.00233	0.00080	0.09873	0.13084	0.25432	0.33014	0.05896	0.06025	0.704	0.28039	0.19759	0.01544	0.49342	0.704	0.493	1.197
27	595453.17	4139695.26	Offsite-1.5m	0.00108	0.00156	0.00143	0.00125	0.00042	0.04177	0.05535	0.19207	0.25622	0.03698	0.03232	0.518	0.14720	0.08359	0.00653	0.23733	0.518	0.237	0.755
28	595459.19	4139689.99	Offsite-1.5m	0.00111	0.00159	0.00148	0.00131	0.00044	0.04462	0.05913	0.19741	0.26115	0.03827	0.03387	0.531	0.15421	0.08930	0.00698	0.25049	0.531	0.250	0.781
29	595465.20	4139684.71	Offsite-1.5m	0.00114	0.00163	0.00153	0.00137	0.00046	0.04754	0.06300	0.20274	0.26772	0.03956	0.03542	0.545	0.16122	0.09514	0.00744	0.26380	0.545	0.264	0.809
30	595471.22	4139679.44	Offsite-1.5m	0.00116	0.00166	0.00158	0.00143	0.00048	0.05054	0.06697	0.20630	0.27265	0.04085	0.03698	0.557	0.16823	0.10115	0.00790	0.27728	0.557	0.277	0.834
31	595477.23	4139674.16	Offsite-1.5m	0.00119	0.00170	0.00163	0.00149	0.00050	0.05360	0.07103	0.21164	0.27922	0.04215	0.03853	0.572	0.17524	0.10727	0.00838	0.29090	0.572	0.291	0.862
32	595483.25	4139668.89	Offsite-1.5m	0.00122	0.00174	0.00169	0.00157	0.00052	0.05660	0.07501	0.21697	0.28579	0.04370	0.04060	0.587	0.18225	0.11327	0.00885	0.30438	0.587	0.304	0.891
33	595495.27	4139658.34	Offsite-1.5m	0.00128	0.00182	0.00182	0.00172	0.00056	0.06223	0.08247	0.22764	0.29893	0.04706	0.04447	0.618	0.19627	0.12454	0.00973	0.33055	0.618	0.331	0.949
34	595501.29	4139653.06	Offsite-1.5m	0.00131	0.00186	0.00189	0.00181	0.00058	0.06475	0.08580	0.23298	0.30550	0.04887	0.04680	0.634	0.20328	0.12959	0.01013	0.34299	0.634	0.343	0.977
35	595507.30	4139647.79	Offsite-1.5m	0.00134	0.00190	0.00197	0.00191	0.00059	0.06704	0.08884	0.23831	0.31207	0.05094	0.04939	0.651	0.20679	0.13417	0.01049	0.35144	0.651	0.351	1.002
36	595513.32	4139642.51	Offsite-1.5m	0.00138	0.00194	0.00205	0.00201	0.00061	0.06913	0.09161	0.24543	0.31864	0.05301	0.05197	0.669	0.21380	0.13835	0.01081	0.36296	0.669	0.363	1.032
37	595519.33	4139637.24	Offsite-1.5m	0.00142	0.00199	0.00214	0.00212	0.00062	0.07101	0.09410	0.25254	0.32685	0.05534	0.05482	0.690	0.21730	0.14211	0.01111	0.37052	0.690	0.371	1.060
38	595525.35	4139631.96	Offsite-1.5m	0.00145	0.00204	0.00223	0.00225	0.00063	0.07270	0.09634	0.25788	0.33506	0.05766	0.05818	0.709	0.22081	0.14550	0.01137	0.37767	0.709	0.378	1.086
39	595531.36	4139626.69	Offsite-1.5m	0.00149	0.00209	0.00233	0.00238	0.00064	0.07422	0.09835	0.26499	0.34328	0.06025	0.06154	0.730	0.22431	0.14854	0.01161	0.38446	0.730	0.384	1.115
40	595458.45	4139701.28	Offsite-1.5m	0.00112	0.00160	0.00144	0.00126	0.00035	0.03351	0.04441	0.19919	0.26279	0.03723	0.03258	0.532	0.12267	0.06706	0.00524	0.19498	0.532	0.195	0.727
41	595482.51	4139680.18	Offsite-1.5m	0.00123	0.00175	0.00165	0.00150	0.00041	0.04140	0.05487	0.21875	0.28743	0.04266	0.03879	0.588	0.14370	0.08285	0.00648	0.23303	0.588	0.233	0.821
42	595506.56	4139659.08	Offsite-1.5m	0.00136	0.00192	0.00192	0.00183	0.00047	0.04954	0.06565	0.24187	0.31535	0.04965	0.04732	0.654	0.16473	0.09915	0.00775	0.27162	0.654	0.272	0.926
43	595530.62	4139637.98	Offsite-1.5m	0.00151	0.00211	0.00226	0.00227	0.00051	0.05635	0.07467	0.26855	0.34656	0.05844	0.05870	0.732	0.17875	0.11277	0.00881	0.30033	0.732	0.300	1.033
44	595536.64	4139632.70	Offsite-1.5m	0.00156	0.00216	0.00237	0.00241	0.00052	0.05775	0.07653	0.27744	0.35477	0.06128	0.06232	0.756	0.18225	0.11558	0.00903	0.30686	0.756	0.307	1.063
45	595463.72	4139707.29	Offsite-1.5m	0.00115	0.00164	0.00145	0.00125	0.00030	0.02787	0.03693	0.20452	0.26936	0.03749	0.03232	0.544	0.10515	0.05578	0.00436	0.16528	0.544	0.165	0.709
46	595469.74	4139702.02	Offsite-1.5m	0.00118	0.00167	0.00150	0.00131	0.00031	0.02931	0.03885	0.20986	0.27429	0.03879	0.03387	0.557	0.10865	0.05866	0.00459	0.17189	0.557	0.172	0.729
47	595475.75	4139696.74	Offsite-1.5m	0.00121	0.00171	0.00155	0.00137	0.00032	0.03073	0.04073	0.21519	0.28086	0.04008	0.03542	0.572	0.11216	0.06150	0.00481	0.17846	0.572	0.178	0.750
48	595481.77	4139691.47	Offsite-1.5m	0.00124	0.00175	0.00161	0.00143	0.00033	0.03213	0.04258	0.22053	0.28743	0.04163	0.03698	0.587	0.11566	0.06430	0.00503	0.18499	0.587	0.185	0.772
49	595487.78	4139686.19	Offsite-1.5m	0.00127	0.00179	0.00166	0.00150	0.00034	0.03354	0.04445	0.22586	0.29400	0.04292	0.03879	0.602	0.11916	0.06712	0.00525	0.19154	0.602	0.192	0.793
50	595511.84	4139665.09	Offsite-1.5m	0.00141	0.00198	0.00193	0.00183	0.00039	0.03942	0.05225	0.25076	0.32521	0.04991	0.04732	0.673	0.13669	0.07889	0.00617	0.22175	0.673	0.222	0.895
51	595517.85	4139659.82	Offsite-1.5m	0.00144	0.00203	0.00201	0.00193	0.00040	0.04089	0.05418	0.25610	0.33342	0.05197	0.04991	0.691	0.14019	0.08183	0.00639	0.22842	0.691	0.228	0.920
52	595523.87	4139654.54	Offsite-1.5m	0.00149	0.00208	0.00210	0.00204	0.00041	0.04231	0.05607	0.26499	0.34163	0.05430	0.05275	0.714	0.14370	0.08468	0.00662	0.23499	0.714	0.235	0.949
53	595529.88	4139649.27	Offsite-1.5m	0.00153	0.00213	0.00219	0.00216	0.00042	0.04367	0.05788	0.27210	0.34985	0.05663	0.05585	0.734	0.14720	0.08740	0.00683	0.24143	0.734	0.241	0.976
54	595535.90	4139643.99	Offsite-1.5m	0.00157	0.00218	0.00229	0.00229	0.00043	0.04498	0.05960	0.27922	0.35806	0.05921	0.05921	0.756	0.15071	0.09002	0.00703	0.24776	0.756	0.248	1.003
55	595541.91	4139638.72	Offsite-1.5m	0.00162	0.00224	0.00240	0.00243	0.00044	0.04620	0.06123	0.28811	0.36791	0.06206	0.06283	0.781	0.15421	0.09246	0.00723	0.25390	0.781	0.254	1.035
56	595469.00	4139713.31	Offsite-1.5m	0.00118	0.00167	0.00146	0.00125	0.00026	0.02377	0.03150	0.20986	0.27429	0.03775	0.03232	0.554	0.09113	0.04757	0.00372	0.14242	0.554	0.142	0.697

57	595475.01	4139708.03	Offsite-1.5m	0.00121	0.00171	0.00151	0.00130	0.00027	0.02488	0.03298	0.21519	0.28086	0.03904	0.03361	0.569	0.09463	0.04979	0.00389	0.14832	0.569	0.148	0.717
58	595481.03	4139702.76	Offsite-1.5m	0.00124	0.00175	0.00156	0.00136	0.00028	0.02597	0.03441	0.22053	0.28743	0.04034	0.03517	0.583	0.09814	0.05197	0.00406	0.15417	0.583	0.154	0.738
59	595487.04	4139697.48	Offsite-1.5m	0.00127	0.00180	0.00162	0.00142	0.00029	0.02703	0.03583	0.22586	0.29564	0.04189	0.03672	0.600	0.10164	0.05410	0.00423	0.15997	0.600	0.160	0.760
60	595493.05	4139692.21	Offsite-1.5m	0.00131	0.00184	0.00167	0.00149	0.00030	0.02809	0.03722	0.23298	0.30221	0.04318	0.03853	0.617	0.10515	0.05622	0.00439	0.16576	0.617	0.166	0.783
61	595517.11	4139671.11	Offsite-1.5m	0.00145	0.00203	0.00194	0.00182	0.00033	0.03242	0.04297	0.25788	0.33342	0.05016	0.04706	0.689	0.11566	0.06488	0.00507	0.18561	0.689	0.186	0.874
62	595523.13	4139665.83	Offsite-1.5m	0.00149	0.00209	0.00203	0.00192	0.00034	0.03354	0.04445	0.26499	0.34328	0.05249	0.04965	0.710	0.11916	0.06712	0.00525	0.19154	0.710	0.192	0.902
63	595529.14	4139660.56	Offsite-1.5m	0.00154	0.00214	0.00211	0.00203	0.00035	0.03465	0.04592	0.27388	0.35149	0.05456	0.05249	0.732	0.12267	0.06935	0.00542	0.19744	0.732	0.197	0.930
64	595535.16	4139655.28	Offsite-1.5m	0.00158	0.00220	0.00220	0.00215	0.00035	0.03575	0.04738	0.28100	0.36134	0.05689	0.05559	0.755	0.12267	0.07155	0.00559	0.19981	0.755	0.200	0.955
65	595541.17	4139650.01	Offsite-1.5m	0.00163	0.00226	0.00230	0.00228	0.00036	0.03682	0.04880	0.28989	0.37120	0.05947	0.05896	0.780	0.12617	0.07369	0.00576	0.20562	0.780	0.206	0.985
66	595547.19	4139644.73	Offsite-1.5m	0.00168	0.00232	0.00241	0.00242	0.00037	0.03786	0.05017	0.29878	0.38105	0.06232	0.06258	0.805	0.12968	0.07577	0.00592	0.21137	0.805	0.211	1.016
67	595474.27	4139719.32	Offsite-1.5m	0.00121	0.00171	0.00146	0.00123	0.00023	0.02066	0.02738	0.21519	0.28086	0.03775	0.03180	0.566	0.08061	0.04135	0.00323	0.12519	0.566	0.125	0.691
68	595480.29	4139714.05	Offsite-1.5m	0.00124	0.00175	0.00151	0.00129	0.00024	0.02154	0.02855	0.22053	0.28743	0.03904	0.03336	0.580	0.08412	0.04311	0.00337	0.13059	0.580	0.131	0.711
69	595486.30	4139708.77	Offsite-1.5m	0.00127	0.00179	0.00156	0.00134	0.00024	0.02241	0.02969	0.22586	0.29400	0.04034	0.03465	0.595	0.08412	0.04485	0.00350	0.13247	0.595	0.132	0.727
70	595492.31	4139703.50	Offsite-1.5m	0.00131	0.00184	0.00162	0.00141	0.00025	0.02325	0.03081	0.23298	0.30221	0.04189	0.03646	0.614	0.08762	0.04653	0.00364	0.13779	0.614	0.138	0.751
71	595498.33	4139698.22	Offsite-1.5m	0.00134	0.00188	0.00168	0.00147	0.00026	0.02408	0.03191	0.23831	0.30878	0.04344	0.03801	0.629	0.09113	0.04819	0.00377	0.14308	0.629	0.143	0.772
72	595522.39	4139677.12	Offsite-1.5m	0.00150	0.00209	0.00195	0.00180	0.00029	0.02739	0.03629	0.26677	0.34328	0.05042	0.04654	0.707	0.10164	0.05482	0.00428	0.16074	0.707	0.161	0.868
73	595528.40	4139671.85	Offsite-1.5m	0.00154	0.00214	0.00203	0.00190	0.00029	0.02824	0.03742	0.27388	0.35149	0.05249	0.04913	0.727	0.10164	0.05652	0.00442	0.16257	0.727	0.163	0.890
74	595534.42	4139666.57	Offsite-1.5m	0.00159	0.00220	0.00212	0.00201	0.00030	0.02911	0.03857	0.28277	0.36134	0.05482	0.05197	0.751	0.10515	0.05826	0.00455	0.16796	0.751	0.168	0.919
75	595540.43	4139661.30	Offsite-1.5m	0.00163	0.00226	0.00221	0.00213	0.00031	0.02997	0.03972	0.28989	0.37120	0.05715	0.05508	0.773	0.10865	0.05998	0.00469	0.17332	0.773	0.173	0.947
76	595546.45	4139656.02	Offsite-1.5m	0.00169	0.00233	0.00231	0.00226	0.00031	0.03084	0.04087	0.30056	0.38269	0.05973	0.05844	0.801	0.10865	0.06172	0.00482	0.17519	0.801	0.175	0.977
77	595552.46	4139650.75	Offsite-1.5m	0.00174	0.00239	0.00242	0.00240	0.00032	0.03169	0.04199	0.30945	0.39255	0.06258	0.06206	0.827	0.11216	0.06342	0.00496	0.18053	0.827	0.181	1.007
78	595479.55	4139725.33	Offsite-1.5m	0.00124	0.00174	0.00146	0.00121	0.00020	0.01823	0.02416	0.22053	0.28579	0.03775	0.03129	0.575	0.07010	0.03648	0.00285	0.10943	0.575	0.109	0.685
79	595503.60	4139704.24	Offsite-1.5m	0.00138	0.00192	0.00168	0.00145	0.00023	0.02100	0.02783	0.24543	0.31535	0.04344	0.03749	0.642	0.08061	0.04203	0.00328	0.12592	0.642	0.126	0.768
80	595509.62	4139698.96	Offsite-1.5m	0.00141	0.00198	0.00174	0.00152	0.00023	0.02166	0.02871	0.25076	0.32521	0.04499	0.03930	0.660	0.08061	0.04335	0.00339	0.12735	0.660	0.127	0.788
81	595521.65	4139688.41	Offsite-1.5m	0.00150	0.00208	0.00187	0.00168	0.00025	0.02296	0.03043	0.26677	0.34163	0.04835	0.04344	0.700	0.08762	0.04595	0.00359	0.13716	0.700	0.137	0.837
82	595527.66	4139683.14	Offsite-1.5m	0.00154	0.00214	0.00195	0.00177	0.00025	0.02362	0.03130	0.27388	0.35149	0.05042	0.04577	0.722	0.08762	0.04727	0.00369	0.13859	0.722	0.139	0.860
83	595551.72	4139662.04	Offsite-1.5m	0.00174	0.00239	0.00231	0.00222	0.00027	0.02634	0.03490	0.30945	0.39255	0.05973	0.05740	0.819	0.09463	0.05271	0.00412	0.15146	0.819	0.151	0.971
84	595557.74	4139656.76	Offsite-1.5m	0.00180	0.00246	0.00241	0.00235	0.00028	0.02703	0.03582	0.32012	0.40405	0.06232	0.06077	0.847	0.09814	0.05410	0.00423	0.15646	0.847	0.156	1.004
85	595484.82	4139731.35	Offsite-1.5m	0.00126	0.00177	0.00146	0.00119	0.00018	0.01627	0.02156	0.22409	0.29072	0.03775	0.03077	0.583	0.06309	0.03256	0.00254	0.09819	0.583	0.098	0.682
86	595490.83	4139726.07	Offsite-1.5m	0.00130	0.00182	0.00151	0.00124	0.00019	0.01686	0.02235	0.23120	0.29893	0.03904	0.03206	0.601	0.06659	0.03374	0.00264	0.10297	0.601	0.103	0.704
87	595496.85	4139720.80	Offsite-1.5m	0.00133	0.00186	0.00156	0.00130	0.00019	0.01744	0.02311	0.23654	0.30550	0.04034	0.03361	0.616	0.06659	0.03490	0.00273	0.10422	0.616	0.104	0.720
88	595502.86	4139715.53	Offsite-1.5m	0.00137	0.00191	0.00161	0.00136	0.00020	0.01801	0.02387	0.24365	0.31371	0.04163	0.03517	0.634	0.07010	0.03604	0.00282	0.10896	0.634	0.109	0.743
89	595508.88	4139710.25	Offsite-1.5m	0.00141	0.00196	0.00167	0.00142	0.00020	0.01857	0.02461	0.25076	0.32192	0.04318	0.03672	0.653	0.07010	0.03716	0.00290	0.11017	0.653	0.110	0.763
90	595514.89	4139704.98	Offsite-1.5m	0.00145	0.00202	0.00173	0.00149	0.00021	0.01912	0.02533	0.25788	0.33178	0.04473	0.03853	0.673	0.07360	0.03827	0.00299	0.11486	0.673	0.115	0.788
91	595526.92	4139694.43	Offsite-1.5m	0.00154	0.00213	0.00187	0.00164	0.00022	0.02018	0.02674	0.27388	0.34985	0.04835	0.04241	0.714	0.07711	0.04039	0.00316	0.12065	0.714	0.121	0.835
92	595532.94	4139689.15	Offsite-1.5m	0.00158	0.00219	0.00194	0.00173	0.00022	0.02071	0.02745	0.28100	0.35970	0.05016	0.04473	0.736	0.07711	0.04145	0.00324	0.12179	0.736	0.122	0.857
93	595538.95	4139683.88	Offsite-1.5m	0.00163	0.00225	0.00202	0.00183	0.00023	0.02124	0.02815	0.28989	0.36955	0.05223	0.04732	0.759	0.08061	0.04251	0.00332	0.12644	0.759	0.126	0.885
94	595544.97	4139678.60	Offsite-1.5m	0.00168	0.00232	0.00210	0.00193	0.00023	0.02178	0.02886	0.29878	0.38105	0.05430	0.04991	0.784	0.08061	0.04359	0.00341	0.12761	0.784	0.128	0.912
95	595550.98	4139673.33	Offsite-1.5m	0.00173	0.00239	0.00219	0.00204	0.00024	0.02232	0.02958	0.30767	0.39255	0.05663	0.05275	0.810	0.08412	0.04467	0.00349	0.13228	0.810	0.132	0.942
96	595557.00	4139668.05	Offsite-1.5m	0.00179	0.00246	0.00229	0.00216	0.00024	0.02288	0.03032	0.31834	0.40405	0.05921	0.05585	0.837	0.08412	0.04579	0.00358	0.13348	0.837	0.133	0.971
97	595563.01	4139662.78	Offsite-1.5m	0.00185	0.00253	0.00240	0.00230	0.00025	0.02343	0.03105	0.32901	0.41554	0.06206	0.05947	0.866	0.08762	0.04689	0.00366	0.13818	0.866	0.138	1.004
98	595490.09	4139737.36	Offsite-1.5m	0.00129	0.00180	0.00146	0.00116	0.00017	0.01467	0.01944	0.22942	0.29564	0.03775	0.02999	0.593	0.05958	0.02936	0.00229	0.09124	0.593	0.091	0.684
99	595496.11	4139732.09	Offsite-1.5m	0.00132	0.00185	0.00150	0.00121	0.00017	0.01516	0.02009	0.23476	0.30386	0.03879	0.03129	0.609	0.05958	0.03034	0.00237	0.09229	0.609	0.092	0.701
100	595502.12	4139726.81	Offsite-1.5m	0.00136	0.00189	0.00155	0.00126	0.00018	0.01565	0.02074	0.24187	0.31043	0.04008	0.03258	0.625	0.06309	0.03132	0.00245	0.09686	0.625	0.097	0.722
101	595508.14	4139721.54	Offsite-1.5m	0.00140	0.00195	0.00161	0.00132	0.00018	0.01613	0.02137	0.24898	0.32028	0.04163	0.03413	0.645	0.06309	0.03228	0.00252	0.09789	0.645	0.098	0.743
102	595514.15	4139716.27	Offsite-1.5m	0.00144	0.00200	0.00166	0.00138	0.00018	0.01660	0.02200	0.25610	0.32849	0.04292	0.03568	0.663	0.06309	0.03322	0.00260	0.09891	0.663	0.099	0.762
103	595520.17	4139710.99	Offsite-1.5m	0.00148	0.00205	0.00172	0.00145	0.00019	0.01706	0.02261	0.26321	0.33671	0.04447	0.03749	0.682	0.06659	0.03414	0.00267	0.10340	0.682	0.103	0.785
104	595532.20	4139700.44	Offsite-1.5m	0.00157	0.00217	0.00186	0.00160	0.00020	0.01795	0.02379	0.27922	0.35642	0.04810	0.04137	0.725	0.07010	0.03592	0.00281	0.10883	0.725	0.109	0.834
105	595538.21	4139695.17	Offsite-1.5m	0.00162	0.00223	0.00193	0.00168	0.00020	0.01839	0.02437	0.28811	0.36627	0.04991	0.04344	0.748	0.07010	0.03680	0.00288	0.10978	0.748	0.110	0.858
106	595544.23	4139689.89	Offsite-1.5m	0.00167	0.00230	0.00201	0.00177	0.00020	0.01883	0.02495	0.29700	0.37777	0.05197	0.04577	0.773	0.07010	0.03768	0.00294	0.11073	0.773	0.111	0.883
107	595550.24	4139684.62	Offsite-1.5m	0.00172	0.00237	0.00209	0.00187	0.00021	0.01926	0.02553	0.30589	0.38926	0.05404	0.04835	0.798	0.07360	0.03855	0.00301	0.11516	0.798	0.115	0.913
108	595556.26	4139679.34	Offsite-1.5m	0.00178	0.00244	0.00218	0.00198	0.00021	0.01971	0.02612	0.31657	0.40076	0.05637	0.05120	0.825	0.07360	0.03945	0.00308	0.11613	0.825	0.116	0.941
109	595562.27	4139674.07	Offsite-1.5m	0.00184	0.00252	0.00227	0.00210	0.00022	0.02015	0.02671	0.32724	0.41390	0.05870	0.05430	0.854	0.07711	0.04033	0.00315	0.12059	0.854	0.121	0.975
110	595568.29	4139668.79	Offsite-1.5m	0.00190	0.00260	0.00238	0.00222	0.00022	0.02060	0.02730	0.33791	0.42704	0.06154	0.05740	0.884	0.07711	0.04123	0.00322	0.12156	0.884	0.122	1.005
111	595495.37	4139743.38	Offsite-1.5m	0.00131	0.00182	0.00145	0.00113	0.00015	0.01332	0.01766	0.23298	0.29893	0.03749	0.02922	0.599	0.05257	0.02666	0.00208	0.08131	0.599	0.081	0.680
112	595501.38	4139738.10	Offsite-1.5m	0.00135	0.00187	0.00150	0.00118	0.00016	0.01374	0.01821	0.24009	0.30714	0.03879	0.03051	0.617	0.05608	0.02750	0.00215	0.08572	0.617	0.086	0.702
113	595507.40	4139732.83	Offsite-1.5m	0.00139	0.00192	0.00155	0.00123	0.00016	0.01416	0.01876	0.24721	0.31535	0.04008	0.03180	0.634	0.05608	0.02834	0.00221	0.08663	0.634	0.087	0.721
114	595513.41	4139727.55	Offsite-1.5m	0.00143	0.00197	0.00160	0.00128	0.00016	0.01457	0.01930	0.25432	0.32357	0.04137	0.03310	0.652	0.05608	0.02916	0.00228	0.08751	0.652	0.088	0.740
115	595519.43	4139722.28	Offsite-1.5m	0.00147	0.00203	0.00165	0.00134	0.00017	0.01497	0.01984	0.26143	0.33342	0.04266	0.03465	0.672	0.05958	0.02996	0.00234	0.09188	0.672	0.092	0.764
116	595525.44	4139717.01	Offsite-1.5m	0.00151	0.00209	0.00171	0.00140	0.00017	0.01536	0.02036	0.26855	0.34328	0.04422	0.03620	0.692	0.05958	0.03074	0.00240	0.09273	0.692	0.093	0.785
117	595537.47	4139706.46	Offsite-1.5m	0.00161	0.00221	0.00184	0.00155	0.00018	0.01613	0.02137	0.28633	0.36298	0.04758	0.04008	0.737	0.06309	0.03228	0.00252	0.09789	0.737	0.098	0.835
118	595543.49	4139701.18	Offsite-1.5m	0.00166	0.00228	0.00191	0.00163	0.00018	0.01650	0.02186	0.29522	0.37448	0.04939	0.04215	0.761	0.06309	0.03302	0.00258	0.09869	0.761	0.099	0.860
119	595549.50	4139695.91	Offsite-1.5m	0.00171	0.00235	0.00199	0.00171	0.00018	0.01686	0.02235	0.30412	0.38598	0.05146	0.04422	0.786	0.06309	0.03374	0.00264	0.09947	0.786	0.099	0.885
120	595555.52	4139690.63	Offsite-1.5m	0.00177	0.00242	0.00207	0.00181	0.00019	0.01723	0.02283	0.31479	0.39748	0.05353	0.04680	0.813	0.06659	0.03448	0.00269	0.10377	0.813	0.104	0.916
121	595561.53	4139685.36	Offsite-1.5m	0.00182	0.00249	0.00216	0.00191	0.00019	0.01759	0.02332	0.32368	0.40897	0.05585	0.04939	0.838	0.06659	0.03520	0.00275	0.10455	0.838	0.105	0.942
122	595567.55	4139680.08	Offsite-1.5m	0.00189	0.00257	0.00225	0.00202	0.00019	0.01796	0.02380	0.33613	0.42211	0.05818	0.05223	0.869	0.06659	0.03594	0.00281	0.10534	0.869	0.105	0.974
123	595573.56	4139674.81	Offsite-1.5m	0.00195	0.00266	0.00235	0.00214	0.00020	0.01833	0.02429	0.34680	0.43690	0.06077	0.05534	0.900	0.07010	0.03668	0.00287	0.10965	0.900	0.110	1.009
124	595516.47	4139767.44	Offsite-1.5m	0.00139	0.00190	0.00141	0.00098	0.00011	0.00962	0.01275	0.24721	0.31207	0.03646	0.02534	0.621	0.03855	0.01925	0.00150	0.05931	0.621	0.059	0.680
125	595522.48	4139762.16	Offsite-1.5m	0.00143	0.00195	0.00146	0.00101	0.00011	0.00986	0.01307	0.25432	0.32028	0.03775	0.02612	0.638	0.03855	0.01973	0.00154	0.05983	0.638	0.060	0.698
126	595528.50	4139756.89	Offsite-1.5m	0.00148	0.00201	0.00150	0.00105	0.00012	0.01010	0.01338	0.26321	0.33014	0.03879	0.02715	0.659	0.04206	0.02021	0.00158	0.06385	0.659	0.064	0.723
127	595534.51	4139751.61	Offsite-1.5m	0.00152	0.00206	0.00155	0.00110	0.00012	0.01034	0.01370	0.27033	0.33835	0.04008	0.02844	0.677	0.04206	0.02069	0.00162	0.06437	0.677	0.064	0.742
128	595540.53	4139746.34	Offsite-1.5m	0.00157	0.00212	0.00160	0.00114	0.00012	0.01057	0.01401	0.27922	0.34820	0.04137	0.02948	0.698	0.04206	0.02115	0.00165	0.06487	0.698	0.065	0.763
129	595546.54	4139741.06	Offsite-1.5m	0.00161	0.00219	0.00165	0.00119	0.00012	0.01080	0.01431	0.28633	0.35970	0.04266	0.03077	0.719	0.04206	0.02161	0.00169	0.06536	0.719	0.065	0.785
130	595558.57	4139730.51	Offsite-1.5m	0.00172	0.00232	0.00176	0.00130	0.00013	0.01125	0.01491	0.30589	0.38105	0.04551	0.03361	0.766	0.04556	0.02251	0.00176	0.06984	0.766	0.070	0.836
131	595564.59	4139725.24	Offsite-1.5m	0.00178	0.00240	0.00183	0.00136	0.00013	0.01147	0.01520	0.31657	0.39419	0.04732	0.03517	0.793	0.04556	0.02296	0.00179	0.07031	0.793	0.070	0.864
132	595570.60	4139719.96	Offsite-1.5m	0.00184	0.00248	0.00189	0.00143	0.00013	0.01168	0.01548	0.32724	0.40733	0.04887	0.03698	0.820	0.04556	0.02338	0.00183	0.07077	0.820	0.071	0.891
133	595576.62	4139714.69	Offsite-1.5m	0.00190	0.00256	0.00197	0.00150	0.00013	0.01189	0.01576	0.33791	0.42047	0.05094	0.03879	0.848	0.04556	0.02380	0.00186	0.07122	0.848	0.071	0.919

134	595582.63	4139709.42	Offsite-1.5m	0.00197	0.00265	0.00204	0.00157	0.00013	0.01210	0.01603	0.35036	0.43525	0.05275	0.04060	0.879	0.04556	0.02422	0.00189	0.07167	0.879	0.072	0.951
135	595588.65	4139704.14	Offsite-1.5m	0.00204	0.00274	0.00212	0.00165	0.00014	0.01230	0.01630	0.36281	0.45004	0.05482	0.04266	0.910	0.04907	0.02462	0.00192	0.07561	0.910	0.076	0.986
136	595594.66	4139698.87	Offsite-1.5m	0.00212	0.00283	0.00221	0.00174	0.00014	0.01249	0.01656	0.37703	0.46482	0.05715	0.04499	0.944	0.04907	0.02500	0.00195	0.07602	0.944	0.076	1.020
137	595521.74	4139773.45	Offsite-1.5m	0.00141	0.00191	0.00140	0.00094	0.00010	0.00897	0.01189	0.25076	0.31371	0.03620	0.02431	0.625	0.03505	0.01795	0.00140	0.05440	0.625	0.054	0.679
138	595527.76	4139768.18	Offsite-1.5m	0.00145	0.00196	0.00144	0.00097	0.00011	0.00918	0.01216	0.25788	0.32192	0.03723	0.02508	0.642	0.03855	0.01837	0.00144	0.05836	0.642	0.058	0.700
139	595533.77	4139762.90	Offsite-1.5m	0.00150	0.00202	0.00149	0.00101	0.00011	0.00939	0.01244	0.26677	0.33178	0.03853	0.02612	0.663	0.03855	0.01879	0.00147	0.05881	0.663	0.059	0.722
140	595539.79	4139757.63	Offsite-1.5m	0.00154	0.00208	0.00153	0.00105	0.00011	0.00960	0.01272	0.27388	0.34163	0.03956	0.02715	0.682	0.03855	0.01921	0.00150	0.05927	0.682	0.059	0.741
141	595545.80	4139752.35	Offsite-1.5m	0.00159	0.00214	0.00158	0.00109	0.00011	0.00981	0.01300	0.28277	0.35149	0.04085	0.02818	0.703	0.03855	0.01963	0.00153	0.05972	0.703	0.060	0.763
142	595551.82	4139747.08	Offsite-1.5m	0.00164	0.00220	0.00163	0.00114	0.00011	0.01001	0.01327	0.29167	0.36134	0.04215	0.02948	0.725	0.03855	0.02003	0.00157	0.06015	0.725	0.060	0.785
143	595563.85	4139736.53	Offsite-1.5m	0.00174	0.00234	0.00175	0.00124	0.00012	0.01042	0.01380	0.30945	0.38434	0.04525	0.03206	0.771	0.04206	0.02085	0.00163	0.06454	0.771	0.065	0.836
144	595569.86	4139731.25	Offsite-1.5m	0.00180	0.00242	0.00181	0.00129	0.00012	0.01061	0.01406	0.32012	0.39748	0.04680	0.03336	0.798	0.04206	0.02123	0.00166	0.06495	0.798	0.065	0.863
145	595575.88	4139725.98	Offsite-1.5m	0.00186	0.00250	0.00187	0.00135	0.00012	0.01080	0.01432	0.33079	0.41062	0.04835	0.03491	0.825	0.04206	0.02161	0.00169	0.06536	0.825	0.065	0.890
146	595581.89	4139720.70	Offsite-1.5m	0.00193	0.00258	0.00194	0.00142	0.00012	0.01099	0.01456	0.34324	0.42376	0.05016	0.03672	0.854	0.04206	0.02199	0.00172	0.06577	0.854	0.066	0.920
147	595587.91	4139715.43	Offsite-1.5m	0.00200	0.00267	0.00201	0.00148	0.00012	0.01117	0.01480	0.35569	0.43854	0.05197	0.03827	0.884	0.04206	0.02235	0.00175	0.06616	0.884	0.066	0.951
148	595593.92	4139710.16	Offsite-1.5m	0.00207	0.00276	0.00209	0.00156	0.00013	0.01135	0.01504	0.36814	0.45332	0.05404	0.04034	0.916	0.04556	0.02271	0.00178	0.07005	0.916	0.070	0.986
149	595599.93	4139704.88	Offsite-1.5m	0.00215	0.00286	0.00217	0.00164	0.00013	0.01152	0.01527	0.38237	0.46975	0.05611	0.04241	0.951	0.04556	0.02306	0.00180	0.07042	0.951	0.070	1.021
150	595527.02	4139779.47	Offsite-1.5m	0.00143	0.00192	0.00140	0.00090	0.00010	0.00839	0.01112	0.25432	0.31535	0.03620	0.02327	0.629	0.03505	0.01679	0.00131	0.05315	0.629	0.053	0.682
151	595533.03	4139774.19	Offsite-1.5m	0.00147	0.00197	0.00144	0.00093	0.00010	0.00858	0.01137	0.26143	0.32357	0.03723	0.02405	0.646	0.03505	0.01717	0.00134	0.05356	0.646	0.054	0.700
152	595539.05	4139768.92	Offsite-1.5m	0.00151	0.00203	0.00148	0.00096	0.00010	0.00876	0.01161	0.26855	0.33342	0.03827	0.02482	0.665	0.03505	0.01753	0.00137	0.05395	0.665	0.054	0.719
153	595545.06	4139763.64	Offsite-1.5m	0.00156	0.00209	0.00152	0.00100	0.00010	0.00895	0.01186	0.27744	0.34328	0.03930	0.02586	0.686	0.03505	0.01791	0.00140	0.05436	0.686	0.054	0.740
154	595551.08	4139758.37	Offsite-1.5m	0.00161	0.00215	0.00157	0.00104	0.00010	0.00914	0.01211	0.28633	0.35313	0.04060	0.02689	0.707	0.03505	0.01829	0.00143	0.05477	0.707	0.055	0.762
155	595557.09	4139753.09	Offsite-1.5m	0.00166	0.00222	0.00162	0.00108	0.00011	0.00932	0.01235	0.29522	0.36463	0.04189	0.02793	0.730	0.03855	0.01865	0.00146	0.05866	0.730	0.059	0.788
156	595569.12	4139742.54	Offsite-1.5m	0.00177	0.00236	0.00173	0.00117	0.00011	0.00968	0.01283	0.31479	0.38762	0.04473	0.03025	0.777	0.03855	0.01937	0.00151	0.05944	0.777	0.059	0.837
157	595575.14	4139737.27	Offsite-1.5m	0.00182	0.00243	0.00179	0.00122	0.00011	0.00986	0.01306	0.32368	0.39912	0.04628	0.03155	0.801	0.03855	0.01973	0.00154	0.05983	0.801	0.060	0.860
158	595581.15	4139731.99	Offsite-1.5m	0.00189	0.00251	0.00185	0.00128	0.00011	0.01003	0.01329	0.33613	0.41226	0.04784	0.03310	0.829	0.03855	0.02007	0.00157	0.06020	0.829	0.060	0.890
159	595587.17	4139726.72	Offsite-1.5m	0.00195	0.00260	0.00191	0.00134	0.00011	0.01019	0.01351	0.34680	0.42704	0.04939	0.03465	0.858	0.03855	0.02039	0.00159	0.06054	0.858	0.061	0.918
160	595593.18	4139721.44	Offsite-1.5m	0.00202	0.00269	0.00199	0.00140	0.00012	0.01036	0.01373	0.35925	0.44182	0.05146	0.03620	0.889	0.04206	0.02073	0.00162	0.06441	0.889	0.064	0.953
161	595599.19	4139716.17	Offsite-1.5m	0.00210	0.00278	0.00206	0.00146	0.00012	0.01052	0.01394	0.37348	0.45661	0.05327	0.03775	0.921	0.04206	0.02105	0.00165	0.06476	0.921	0.065	0.986
162	595605.21	4139710.90	Offsite-1.5m	0.00218	0.00288	0.00214	0.00154	0.00012	0.01067	0.01415	0.38770	0.47303	0.05534	0.03982	0.956	0.04206	0.02135	0.00167	0.06508	0.956	0.065	1.021
163	595532.29	4139785.48	Offsite-1.5m	0.00145	0.00193	0.00139	0.00086	0.00009	0.00787	0.01043	0.25788	0.31700	0.03594	0.02224	0.633	0.03154	0.01575	0.00123	0.04852	0.633	0.049	0.682
164	595556.35	4139764.38	Offsite-1.5m	0.00163	0.00216	0.00156	0.00099	0.00010	0.00854	0.01132	0.28989	0.35477	0.04034	0.02560	0.711	0.03505	0.01709	0.00134	0.05348	0.711	0.053	0.764
165	595562.37	4139759.11	Offsite-1.5m	0.00168	0.00223	0.00161	0.00103	0.00010	0.00871	0.01154	0.29878	0.36627	0.04163	0.02663	0.733	0.03505	0.01743	0.00136	0.05384	0.733	0.054	0.787
166	595574.40	4139748.56	Offsite-1.5m	0.00179	0.00237	0.00171	0.00111	0.00010	0.00903	0.01197	0.31834	0.38926	0.04422	0.02870	0.781	0.03505	0.01807	0.00141	0.05453	0.781	0.055	0.835
167	595580.41	4139743.28	Offsite-1.5m	0.00185	0.00245	0.00177	0.00116	0.00010	0.00919	0.01218	0.32901	0.40240	0.04577	0.02999	0.807	0.03505	0.01839	0.00144	0.05488	0.807	0.055	0.862
168	595604.47	4139722.18	Offsite-1.5m	0.00212	0.00280	0.00203	0.00137	0.00011	0.00979	0.01297	0.37703	0.45989	0.05249	0.03542	0.925	0.03855	0.01959	0.00153	0.05968	0.925	0.060	0.985
169	595610.48	4139716.91	Offsite-1.5m	0.00220	0.00290	0.00211	0.00144	0.00011	0.00993	0.01315	0.39126	0.47632	0.05456	0.03723	0.959	0.03855	0.01987	0.00155	0.05998	0.959	0.060	1.019
170	595537.57	4139791.50	Offsite-1.5m	0.00146	0.00194	0.00138	0.00082	0.00009	0.00741	0.00981	0.25966	0.31864	0.03568	0.02120	0.635	0.03154	0.01483	0.00116	0.04753	0.635	0.048	0.683
171	595543.58	4139786.22	Offsite-1.5m	0.00151	0.00199	0.00142	0.00084	0.00009	0.00756	0.01001	0.26855	0.32685	0.03672	0.02172	0.654	0.03154	0.01513	0.00118	0.04786	0.654	0.048	0.702
172	595549.60	4139780.95	Offsite-1.5m	0.00155	0.00205	0.00146	0.00087	0.00009	0.00771	0.01021	0.27566	0.33671	0.03775	0.02250	0.673	0.03154	0.01543	0.00121	0.04818	0.673	0.048	0.721
173	595555.61	4139775.67	Offsite-1.5m	0.00160	0.00211	0.00151	0.00091	0.00009	0.00786	0.01041	0.28455	0.34656	0.03904	0.02353	0.694	0.03154	0.01573	0.00123	0.04850	0.694	0.049	0.742
174	595561.63	4139770.40	Offsite-1.5m	0.00165	0.00217	0.00155	0.00094	0.00009	0.00801	0.01061	0.29345	0.35642	0.04008	0.02431	0.714	0.03154	0.01603	0.00125	0.04883	0.714	0.049	0.763
175	595585.69	4139749.30	Offsite-1.5m	0.00187	0.00246	0.00176	0.00109	0.00010	0.00859	0.01139	0.33257	0.40405	0.04551	0.02818	0.810	0.03505	0.01719	0.00134	0.05358	0.810	0.054	0.864
176	595591.70	4139744.02	Offsite-1.5m	0.00193	0.00254	0.00182	0.00114	0.00010	0.00873	0.01157	0.34324	0.41719	0.04706	0.02948	0.837	0.03505	0.01747	0.00137	0.05389	0.837	0.054	0.891
177	595597.71	4139738.75	Offsite-1.5m	0.00200	0.00262	0.00188	0.00118	0.00010	0.00887	0.01175	0.35569	0.43033	0.04861	0.03051	0.865	0.03505	0.01775	0.00139	0.05419	0.865	0.054	0.919
178	595603.73	4139733.47	Offsite-1.5m	0.00207	0.00272	0.00194	0.00123	0.00010	0.00900	0.01193	0.36814	0.44675	0.05016	0.03180	0.897	0.03505	0.01801	0.00141	0.05447	0.897	0.054	0.951
179	595609.74	4139728.20	Offsite-1.5m	0.00215	0.00281	0.00201	0.00129	0.00010	0.00913	0.01210	0.38237	0.46153	0.05197	0.03336	0.929	0.03505	0.01827	0.00143	0.05475	0.929	0.055	0.984
180	595615.76	4139722.92	Offsite-1.5m	0.00223	0.00291	0.00209	0.00135	0.00010	0.00926	0.01227	0.39660	0.47796	0.05404	0.03491	0.964	0.03505	0.01853	0.00145	0.05503	0.964	0.055	1.019
181	595542.84	4139797.51	Offsite-1.5m	0.00148	0.00194	0.00138	0.00078	0.00008	0.00698	0.00926	0.26321	0.31864	0.03568	0.02017	0.638	0.02804	0.01397	0.00109	0.04310	0.638	0.043	0.681
182	595548.86	4139792.24	Offsite-1.5m	0.00152	0.00200	0.00142	0.00080	0.00008	0.00712	0.00943	0.27033	0.32849	0.03672	0.02069	0.656	0.02804	0.01425	0.00111	0.04340	0.656	0.043	0.700
183	595554.87	4139786.96	Offsite-1.5m	0.00157	0.00206	0.00146	0.00083	0.00008	0.00726	0.00962	0.27922	0.33835	0.03775	0.02146	0.677	0.02804	0.01453	0.00114	0.04370	0.677	0.044	0.720
184	595560.89	4139781.69	Offsite-1.5m	0.00162	0.00212	0.00150	0.00086	0.00009	0.00739	0.00980	0.28811	0.34820	0.03879	0.02224	0.697	0.03154	0.01479	0.00116	0.04749	0.697	0.047	0.745
185	595566.90	4139776.41	Offsite-1.5m	0.00167	0.00218	0.00155	0.00089	0.00009	0.00753	0.00998	0.29700	0.35806	0.04008	0.02301	0.718	0.03154	0.01507	0.00118	0.04779	0.718	0.048	0.766
186	595590.96	4139755.31	Offsite-1.5m	0.00189	0.00247	0.00175	0.00103	0.00009	0.00806	0.01068	0.33613	0.40569	0.04525	0.02663	0.814	0.03154	0.01613	0.00126	0.04893	0.814	0.049	0.863
187	595596.98	4139750.04	Offsite-1.5m	0.00196	0.00255	0.00181	0.00107	0.00009	0.00819	0.01085	0.34858	0.41883	0.04680	0.02767	0.842	0.03154	0.01639	0.00128	0.04921	0.842	0.049	0.891
188	595602.99	4139744.76	Offsite-1.5m	0.00202	0.00263	0.00187	0.00111	0.00009	0.00831	0.01101	0.35925	0.43197	0.04835	0.02870	0.868	0.03154	0.01663	0.00130	0.04947	0.868	0.049	0.918
189	595609.00	4139739.49	Offsite-1.5m	0.00210	0.00272	0.00193	0.00116	0.00009	0.00843	0.01118	0.37348	0.44675	0.04991	0.02999	0.900	0.03154	0.01687	0.00132	0.04973	0.900	0.050	0.950
190	595615.02	4139734.21	Offsite-1.5m	0.00217	0.00282	0.00200	0.00121	0.00010	0.00855	0.01133	0.38593	0.46318	0.05172	0.03129	0.932	0.03505	0.01711	0.00134	0.05350	0.932	0.053	0.986
191	595621.03	4139728.94	Offsite-1.5m	0.00225	0.00292	0.00207	0.00126	0.00010	0.00867	0.01149	0.40015	0.47960	0.05353	0.03258	0.966	0.03505	0.01735	0.00136	0.05376	0.966	0.054	1.020
192	595548.12	4139803.53	Offsite-1.5m	0.00150	0.00195	0.00138	0.00074	0.00008	0.00660	0.00875	0.26677	0.32028	0.03568	0.01913	0.642	0.02804	0.01321	0.00103	0.04228	0.642	0.042	0.684
193	595554.13	4139798.25	Offsite-1.5m	0.00154	0.00201	0.00142	0.00077	0.00008	0.00673	0.00891	0.27388	0.33014	0.03672	0.01991	0.661	0.02804	0.01347	0.00105	0.04256	0.661	0.043	0.703
194	595560.15	4139792.98	Offsite-1.5m	0.00159	0.00206	0.00146	0.00079	0.00008	0.00685	0.00908	0.28277	0.33835	0.03775	0.02043	0.679	0.02804	0.01371	0.00107	0.04282	0.679	0.043	0.722
195	595566.16	4139787.70	Offsite-1.5m	0.00164	0.00213	0.00151	0.00082	0.00008	0.00697	0.00924	0.29167	0.34985	0.03904	0.02120	0.702	0.02804	0.01395	0.00109	0.04308	0.702	0.043	0.745
196	595572.18	4139782.43	Offsite-1.5m	0.00169	0.00219	0.00155	0.00084	0.00008	0.00710	0.00940	0.30056	0.35970	0.04008	0.02172	0.722	0.02804	0.01421	0.00111	0.04336	0.722	0.043	0.765
197	595596.24	4139761.33	Offsite-1.5m	0.00192	0.00248	0.00175	0.00097	0.00009	0.00758	0.01004	0.34146	0.40733	0.04525	0.02508	0.819	0.03154	0.01517	0.00119	0.04790	0.819	0.048	0.867
198	595602.25	4139756.05	Offsite-1.5m	0.00198	0.00256	0.00181	0.00101	0.00009	0.00770	0.01020	0.35213	0.42047	0.04680	0.02612	0.846	0.03154	0.01541	0.00120	0.04816	0.846	0.048	0.894
199	595608.26	4139750.78	Offsite-1.5m	0.00205	0.00264	0.00186	0.00105	0.00009	0.00781	0.01035	0.36458	0.43361	0.04810	0.02715	0.873	0.03154	0.01563	0.00122	0.04840	0.873	0.048	0.922
200	595614.28	4139745.50	Offsite-1.5m	0.00212	0.00274	0.00193	0.00109	0.00009	0.00792	0.01050	0.37703	0.45004	0.04991	0.02818	0.905	0.03154	0.01585	0.00124	0.04863	0.905	0.049	0.954
201	595620.29	4139740.23	Offsite-1.5m	0.00220	0.00283	0.00199	0.00113	0.00009	0.00803	0.01064	0.39126	0.46482	0.05146	0.02922	0.937	0.03154	0.01607	0.00126	0.04887	0.937	0.049	0.986
202	595626.31	4139734.95	Offsite-1.5m	0.00228	0.00293	0.00206	0.00118	0.00009	0.00813	0.01078	0.40549	0.48124	0.05327	0.03051	0.971	0.03154	0.01627	0.00127	0.04909	0.971	0.049	1.020
203	595553.39	4139809.54	Offsite-1.5m	0.00152	0.00196	0.00139	0.00071	0.00007	0.00626	0.00829	0.27033	0.32192	0.03594	0.01836	0.647	0.02453	0.01253	0.00098	0.03804	0.647	0.038	0.685
204	595577.45	4139788.44	Offsite-1.5m	0.00172	0.00220	0.00156	0.00080	0.00008	0.00670	0.00888	0.30589	0.36134	0.04034	0.02069	0.728	0.02804	0.01341	0.00105	0.04250	0.728	0.042	0.771
205	595601.51	4139767.34	Offsite-1.5m	0.00195	0.00249	0.00176	0.00092	0.00008	0.00714	0.00947	0.34680	0.40897	0.04551	0.02379	0.825	0.02804	0.01429	0.00112	0.04345	0.825	0.043	0.869
206	595631.58	4139740.97	Offsite-1.5m	0.00232	0.00294	0.00206	0.00110	0.00009	0.00765	0.01014	0.41260	0.48288	0.05327	0.02844	0.977	0.03154	0.01531	0.00120	0.04805	0.977	0.048	1.025
207	595558.67	4139815.56	Offsite-1.5m	0.00154	0.00196	0.00139	0.00067	0.00007	0.00594	0.00787	0.27388	0.32192	0.03594	0.01732	0.649	0.02453	0.01189	0.00093	0.03735	0.649	0.037	0.686
208	595582.73	4139794.46	Offsite-1.5m	0.00175	0.00221	0.00157	0.00076	0.00007	0.00635	0.00841	0.31123	0.36298	0.04060	0.01965	0.734	0.02453	0.01271	0.00099	0.03823	0.734	0.038	0.773
209	595588.74	4139789.18	Offsite-1.5m	0.00180	0.00228	0.00162	0.00078	0.00007	0.00645	0.00855	0.32012	0.37448	0.04189	0.02017	0.757	0.02453	0.01291	0.00101	0.03845	0.757	0.038	0.795
210	595600.77	4139778.63	Offsite-1.5m	0.00192	0.00243	0.00172	0.00084	0.00008	0.00665	0.00881	0.34146	0.39912	0.04447	0.02172	0.807	0.02804	0.01331	0.00104	0.04239	0.807	0.042	0.849

211	595606.78	4139773.36	Offsite-1.5m	0.00199	0.00251	0.00177	0.00086	0.00008	0.00675	0.00895	0.35391	0.41226	0.04577	0.02224	0.834	0.02804	0.01351	0.00106	0.04260	0.834	0.043	0.877
212	595636.86	4139746.98	Offsite-1.5m	0.00236	0.00296	0.00208	0.00103	0.00008	0.00722	0.00956	0.41972	0.48617	0.05378	0.02663	0.986	0.02804	0.01445	0.00113	0.04362	0.986	0.044	1.030
213	595563.94	4139821.57	Offsite-1.5m	0.00156	0.00197	0.00140	0.00064	0.00007	0.00565	0.00748	0.27744	0.32357	0.03620	0.01655	0.654	0.02453	0.01131	0.00088	0.03672	0.654	0.037	0.690
214	595569.96	4139816.30	Offsite-1.5m	0.00161	0.00203	0.00145	0.00066	0.00007	0.00574	0.00760	0.28633	0.33342	0.03749	0.01707	0.674	0.02453	0.01149	0.00090	0.03692	0.674	0.037	0.711
215	595575.97	4139811.02	Offsite-1.5m	0.00166	0.00209	0.00149	0.00068	0.00007	0.00583	0.00773	0.29522	0.34328	0.03853	0.01758	0.695	0.02453	0.01167	0.00091	0.03711	0.695	0.037	0.732
216	595581.99	4139805.75	Offsite-1.5m	0.00172	0.00216	0.00154	0.00070	0.00007	0.00593	0.00785	0.30589	0.35477	0.03982	0.01810	0.719	0.02453	0.01187	0.00093	0.03733	0.719	0.037	0.756
217	595588.00	4139800.47	Offsite-1.5m	0.00178	0.00223	0.00159	0.00072	0.00007	0.00602	0.00798	0.31657	0.36627	0.04111	0.01862	0.743	0.02453	0.01205	0.00094	0.03752	0.743	0.038	0.780
218	595594.02	4139795.20	Offsite-1.5m	0.00184	0.00230	0.00164	0.00074	0.00007	0.00611	0.00810	0.32724	0.37777	0.04241	0.01913	0.767	0.02453	0.01223	0.00096	0.03772	0.767	0.038	0.804
219	595606.04	4139784.65	Offsite-1.5m	0.00197	0.00245	0.00175	0.00079	0.00007	0.00630	0.00835	0.35036	0.40240	0.04525	0.02043	0.818	0.02453	0.01261	0.00099	0.03813	0.818	0.038	0.857
220	595612.06	4139779.37	Offsite-1.5m	0.00204	0.00253	0.00180	0.00082	0.00007	0.00639	0.00847	0.36281	0.41554	0.04654	0.02120	0.846	0.02453	0.01279	0.00100	0.03832	0.846	0.038	0.884
221	595618.07	4139774.10	Offsite-1.5m	0.00211	0.00261	0.00186	0.00084	0.00007	0.00648	0.00859	0.37525	0.42868	0.04810	0.02172	0.874	0.02453	0.01297	0.00101	0.03852	0.874	0.039	0.912
222	595624.09	4139768.82	Offsite-1.5m	0.00218	0.00270	0.00192	0.00087	0.00007	0.00657	0.00870	0.38770	0.44347	0.04965	0.02250	0.903	0.02453	0.01315	0.00103	0.03871	0.903	0.039	0.942
223	595630.10	4139763.55	Offsite-1.5m	0.00226	0.00279	0.00198	0.00090	0.00007	0.00665	0.00882	0.40193	0.45825	0.05120	0.02327	0.935	0.02453	0.01331	0.00104	0.03888	0.935	0.039	0.974
224	595636.12	4139758.27	Offsite-1.5m	0.00234	0.00289	0.00205	0.00093	0.00008	0.00674	0.00893	0.41616	0.47467	0.05301	0.02405	0.968	0.02804	0.01349	0.00105	0.04258	0.968	0.043	1.010
225	595642.13	4139753.00	Offsite-1.5m	0.00242	0.00299	0.00212	0.00096	0.00008	0.00682	0.00904	0.43039	0.49110	0.05482	0.02482	1.001	0.02804	0.01365	0.00107	0.04275	1.001	0.043	1.044
226	595569.22	4139827.59	Offsite-1.5m	0.00158	0.00197	0.00142	0.00061	0.00006	0.00538	0.00713	0.28100	0.32357	0.03672	0.01577	0.657	0.02103	0.01077	0.00084	0.03264	0.657	0.033	0.690
227	595575.23	4139822.31	Offsite-1.5m	0.00164	0.00204	0.00146	0.00063	0.00006	0.00546	0.00724	0.29167	0.33506	0.03775	0.01629	0.681	0.02103	0.01093	0.00085	0.03281	0.681	0.033	0.714
228	595581.25	4139817.04	Offsite-1.5m	0.00169	0.00210	0.00151	0.00065	0.00006	0.00555	0.00735	0.30056	0.34492	0.03904	0.01681	0.701	0.02103	0.01111	0.00087	0.03300	0.701	0.033	0.734
229	595587.26	4139811.76	Offsite-1.5m	0.00175	0.00217	0.00156	0.00066	0.00007	0.00563	0.00747	0.31123	0.35642	0.04034	0.01707	0.725	0.02453	0.01127	0.00088	0.03668	0.725	0.037	0.762
230	595593.28	4139806.49	Offsite-1.5m	0.00182	0.00224	0.00161	0.00068	0.00007	0.00572	0.00758	0.32368	0.36791	0.04163	0.01758	0.751	0.02453	0.01145	0.00089	0.03688	0.751	0.037	0.788
231	595599.29	4139801.21	Offsite-1.5m	0.00188	0.00232	0.00167	0.00070	0.00007	0.00581	0.00769	0.33435	0.38105	0.04318	0.01810	0.777	0.02453	0.01163	0.00091	0.03707	0.777	0.037	0.814
232	595611.32	4139790.66	Offsite-1.5m	0.00202	0.00248	0.00179	0.00075	0.00007	0.00598	0.00792	0.35925	0.40733	0.04628	0.01939	0.832	0.02453	0.01197	0.00093	0.03744	0.832	0.037	0.870
233	595617.33	4139785.39	Offsite-1.5m	0.00209	0.00256	0.00185	0.00077	0.00007	0.00606	0.00803	0.37170	0.42047	0.04784	0.01991	0.860	0.02453	0.01213	0.00095	0.03761	0.860	0.038	0.898
234	595623.35	4139780.11	Offsite-1.5m	0.00217	0.00265	0.00191	0.00079	0.00007	0.00614	0.00814	0.38593	0.43525	0.04939	0.02043	0.891	0.02453	0.01229	0.00096	0.03778	0.891	0.038	0.929
235	595629.36	4139774.84	Offsite-1.5m	0.00225	0.00274	0.00197	0.00082	0.00007	0.00622	0.00825	0.40015	0.45004	0.05094	0.02120	0.922	0.02453	0.01245	0.00097	0.03796	0.922	0.038	0.960
236	595635.38	4139769.56	Offsite-1.5m	0.00233	0.00284	0.00204	0.00084	0.00007	0.00630	0.00835	0.41438	0.46646	0.05275	0.02172	0.955	0.02453	0.01261	0.00099	0.03813	0.955	0.038	0.993
237	595641.39	4139764.29	Offsite-1.5m	0.00242	0.00294	0.00211	0.00087	0.00007	0.00638	0.00846	0.43039	0.48288	0.05456	0.02250	0.990	0.02453	0.01277	0.00100	0.03830	0.990	0.038	1.029
238	595647.41	4139759.01	Offsite-1.5m	0.00250	0.00304	0.00218	0.00090	0.00007	0.00646	0.00856	0.44461	0.49931	0.05637	0.02327	1.024	0.02453	0.01293	0.00101	0.03847	1.024	0.038	1.062
239	595590.32	4139851.64	Offsite-1.5m	0.00165	0.00197	0.00146	0.00051	0.00005	0.00449	0.00595	0.29345	0.32357	0.03775	0.01319	0.668	0.01752	0.00899	0.00070	0.02721	0.668	0.027	0.695
240	595596.33	4139846.37	Offsite-1.5m	0.00172	0.00205	0.00152	0.00052	0.00005	0.00455	0.00603	0.30589	0.33671	0.03930	0.01345	0.695	0.01752	0.00911	0.00071	0.02734	0.695	0.027	0.723
241	595602.34	4139841.09	Offsite-1.5m	0.00179	0.00213	0.00159	0.00053	0.00005	0.00461	0.00611	0.31834	0.34985	0.04111	0.01370	0.723	0.01752	0.00923	0.00072	0.02747	0.723	0.027	0.750
242	595608.36	4139835.82	Offsite-1.5m	0.00188	0.00221	0.00166	0.00054	0.00005	0.00467	0.00619	0.33435	0.36298	0.04292	0.01396	0.754	0.01752	0.00935	0.00073	0.02760	0.754	0.028	0.782
243	595614.37	4139830.54	Offsite-1.5m	0.0020	0.0023	0.0017	0.0006	0.00005	0.00474	0.00628	0.35036	0.37941	0.04499	0.01448	0.789	0.01752	0.00949	0.00074	0.02775	0.789	0.028	0.817
244	595620.39	4139825.27	Offsite-1.5m	0.0021	0.0024	0.0018	0.0006	0.00006	0.00480	0.00636	0.36636	0.39583	0.04706	0.01474	0.824	0.02103	0.00961	0.00075	0.03139	0.824	0.031	0.855
245	595626.40	4139820.00	Offsite-1.5m	0.0022	0.0025	0.0019	0.0006	0.00006	0.00486	0.00644	0.38593	0.41390	0.04965	0.01526	0.865	0.02103	0.00973	0.00076	0.03152	0.865	0.032	0.896
246	595632.42	4139814.72	Offsite-1.5m	0.0023	0.0026	0.0020	0.0006	0.00006	0.00492	0.00652	0.40549	0.43197	0.05223	0.01551	0.905	0.02103	0.00985	0.00077	0.03165	0.905	0.032	0.937
247	595638.43	4139809.45	Offsite-1.5m	0.0024	0.0028	0.0021	0.0006	0.00006	0.00498	0.00660	0.42861	0.45332	0.05482	0.01577	0.953	0.02103	0.00997	0.00078	0.03177	0.953	0.032	0.984
248	595644.45	4139804.17	Offsite-1.5m	0.0026	0.0029	0.0022	0.0006	0.00006	0.00504	0.00668	0.45351	0.47632	0.05792	0.01629	1.004	0.02103	0.01009	0.00079	0.03190	1.004	0.032	1.036
249	595650.46	4139798.90	Offsite-1.5m	0.0027	0.0031	0.0024	0.0006	0.00006	0.00510	0.00676	0.48018	0.50095	0.06128	0.01655	1.059	0.02103	0.01021	0.00080	0.03203	1.059	0.032	1.091
250	595656.48	4139793.62	Offsite-1.5m	0.0029	0.0032	0.0025	0.0007	0.00006	0.00516	0.00684	0.50864	0.52723	0.06490	0.01707	1.118	0.02103	0.01033	0.00081	0.03216	1.118	0.032	1.150
251	595662.49	4139788.35	Offsite-1.5m	0.0030	0.0034	0.0027	0.0007	0.00006	0.00522	0.00691	0.53887	0.55351	0.06852	0.01758	1.178	0.02103	0.01045	0.00082	0.03229	1.178	0.032	1.211
252	595668.51	4139783.07	Offsite-1.5m	0.0032	0.0036	0.0028	0.0007	0.00006	0.00527	0.00699	0.56911	0.58308	0.07240	0.01784	1.242	0.02103	0.01055	0.00083	0.03240	1.242	0.032	1.275
253	595595.59	4139857.66	Offsite-1.5m	0.0017	0.0020	0.0015	0.0005	0.00005	0.00430	0.00570	0.29345	0.32192	0.03775	0.01241	0.666	0.01752	0.00861	0.00067	0.02680	0.666	0.027	0.692
254	595601.60	4139852.38	Offsite-1.5m	0.0017	0.0020	0.0015	0.0005	0.00005	0.00436	0.00578	0.30767	0.33506	0.03956	0.01267	0.695	0.01752	0.00873	0.00068	0.02693	0.695	0.027	0.722
255	595607.62	4139847.11	Offsite-1.5m	0.0018	0.0021	0.0016	0.0005	0.00005	0.00442	0.00585	0.32190	0.34820	0.04137	0.01319	0.725	0.01752	0.00885	0.00069	0.02706	0.725	0.027	0.752
256	595613.63	4139841.83	Offsite-1.5m	0.0019	0.0022	0.0017	0.0005	0.00005	0.00447	0.00593	0.33791	0.36298	0.04344	0.01345	0.758	0.01752	0.00895	0.00070	0.02717	0.758	0.027	0.785
257	595619.65	4139836.56	Offsite-1.5m	0.0020	0.0023	0.0018	0.0005	0.00005	0.00453	0.00601	0.35391	0.37941	0.04551	0.01370	0.793	0.01752	0.00907	0.00071	0.02730	0.793	0.027	0.820
258	595625.66	4139831.28	Offsite-1.5m	0.0021	0.0024	0.0019	0.0005	0.00005	0.00459	0.00608	0.37348	0.39748	0.04810	0.01396	0.833	0.01752	0.00919	0.00072	0.02743	0.833	0.027	0.860
259	595631.68	4139826.01	Offsite-1.5m	0.0022	0.0025	0.0020	0.0006	0.00005	0.00465	0.00616	0.39304	0.41719	0.05068	0.01448	0.875	0.01752	0.00931	0.00073	0.02756	0.875	0.028	0.903
260	595637.69	4139820.74	Offsite-1.5m	0.0023	0.0027	0.0021	0.0006	0.00005	0.00470	0.00623	0.41616	0.43854	0.05353	0.01474	0.923	0.01752	0.00941	0.00074	0.02767	0.923	0.028	0.951
261	595643.71	4139815.46	Offsite-1.5m	0.0025	0.0028	0.0022	0.0006	0.00005	0.00476	0.00631	0.44106	0.46153	0.05663	0.01500	0.974	0.01752	0.00953	0.00074	0.02780	0.974	0.028	1.002
262	595649.72	4139810.19	Offsite-1.5m	0.0026	0.0030	0.0023	0.0006	0.00005	0.00482	0.00638	0.46951	0.48617	0.06025	0.01526	1.031	0.01752	0.00965	0.00075	0.02792	1.031	0.028	1.059
263	595655.74	4139804.91	Offsite-1.5m	0.0028	0.0031	0.0025	0.0006	0.00006	0.00487	0.00646	0.50153	0.51409	0.06413	0.01577	1.096	0.02103	0.00975	0.00076	0.03154	1.096	0.032	1.127
264	595661.75	4139799.64	Offsite-1.5m	0.0030	0.0033	0.0027	0.0006	0.00006	0.00493	0.00653	0.53532	0.54530	0.06852	0.01603	1.165	0.02103	0.00987	0.00077	0.03167	1.165	0.032	1.197
265	595667.77	4139794.36	Offsite-1.5m	0.0032	0.0035	0.0028	0.0006	0.00006	0.00498	0.00660	0.57266	0.57815	0.07318	0.01629	1.240	0.02103	0.00997	0.00078	0.03177	1.240	0.032	1.272
266	595673.78	4139789.09	Offsite-1.5m	0.0034	0.0037	0.0030	0.0007	0.00006	0.00503	0.00667	0.61001	0.61264	0.07809	0.01681	1.318	0.02103	0.01007	0.00079	0.03188	1.318	0.032	1.349
267	595600.87	4139863.67	Offsite-1.5m	0.0017	0.0019	0.0015	0.0005	0.00005	0.00413	0.00547	0.29345	0.31864	0.03775	0.01189	0.662	0.01752	0.00827	0.00065	0.02644	0.662	0.026	0.688
268	595606.88	4139858.40	Offsite-1.5m	0.0017	0.0020	0.0015	0.0005	0.00005	0.00418	0.00554	0.30767	0.33178	0.03956	0.01215	0.691	0.01752	0.00837	0.00065	0.02654	0.691	0.027	0.718
269	595612.89	4139853.12	Offsite-1.5m	0.0018	0.0021	0.0016	0.0005	0.00005	0.00424	0.00561	0.32190	0.34656	0.04163	0.01241	0.723	0.01752	0.00849	0.00066	0.02667	0.723	0.027	0.749
270	595618.91	4139847.85	Offsite-1.5m	0.0019	0.0022	0.0017	0.0005	0.00005	0.00429	0.00568	0.33969	0.36298	0.04370	0.01267	0.759	0.01752	0.00859	0.00067	0.02678	0.759	0.027	0.786
271	595624.92	4139842.57	Offsite-1.5m	0.0020	0.0023	0.0018	0.0005	0.00005	0.00434	0.00575	0.35747	0.37941	0.04603	0.01293	0.796	0.01752	0.00869	0.00068	0.02689	0.796	0.027	0.823
272	595630.94	4139837.30	Offsite-1.5m	0.0021	0.0024	0.0019	0.0005	0.00005	0.00440	0.00583	0.37703	0.39748	0.04861	0.01345	0.837	0.01752	0.00881	0.00069	0.02702	0.837	0.027	0.864
273	595636.95	4139832.02	Offsite-1.5m	0.0023	0.0026	0.0020	0.0005	0.00005	0.00445	0.00590	0.40015	0.41883	0.05146	0.01370	0.884	0.01752	0.00891	0.00070	0.02713	0.884	0.027	0.911
274	595642.97	4139826.75	Offsite-1.5m	0.0024	0.0027	0.0021	0.0005	0.00005	0.00450	0.00597	0.42505	0.44018	0.05456	0.01396	0.934	0.01752	0.00901	0.00070	0.02723	0.934	0.027	0.961
275	595648.98	4139821.48	Offsite-1.5m	0.0025	0.0028	0.0023	0.0006	0.00005	0.00455	0.00604	0.45173	0.46646	0.05818	0.01422	0.991	0.01752	0.00911	0.00071	0.02734	0.991	0.027	1.018
276	595655.00	4139816.20	Offsite-1.5m	0.0027	0.0030	0.0024	0.0006	0.00005	0.00461	0.00610	0.48374	0.49438	0.06206	0.01448	1.055	0.01752	0.00923	0.00072	0.02747	1.055	0.027	1.082
277	595661.01	4139810.93	Offsite-1.5m	0.0029	0.0032	0.0026	0.0006	0.00005	0.00466	0.00617	0.51753	0.52559	0.06671	0.01474	1.125	0.01752	0.00933	0.00073	0.02758	1.125	0.028	1.152
278	595667.03	4139805.65	Offsite-1.5m	0.0031	0.0034	0.0028	0.0006	0.00005	0.00471	0.00624	0.55666	0.56008	0.07163	0.01500	1.203	0.01752	0.00943	0.00074	0.02769	1.203	0.028	1.231
279	595673.04	4139800.38	Offsite-1.5m	0.0034	0.0036	0.0030	0.0006	0.00005	0.00476	0.00630	0.59934	0.59786	0.07731	0.01551	1.290	0.01752	0.00953	0.00074	0.02779	1.290	0.028	1.318
280	595679.06	4139795.10	Offsite-1.5m	0.0036	0.0039	0.0032	0.0006	0.00005	0.00480	0.00637	0.64558	0.63892	0.08326	0.01577	1.384	0.01752	0.00961	0.00075	0.02788	1.384	0.028	1.411
281	595606.14	4139869.69	Offsite-1.5m	0.0016	0.0019	0.0015	0.0004	0.00005	0.00397	0.00526	0.29167	0.31535	0.03749	0.01138	0.656	0.01752	0.00795	0.00062	0.02609	0.656	0.026	0.682
282	595612.15	4139864.41	Offsite-1.5m	0.0017	0.0020	0.0015	0.0005	0.00005	0.00402	0.00532	0.30589	0.32849	0.03956	0.01164	0.686	0.01752	0.00805	0.00063	0.02620	0.686	0.026	0.712
283	595678.32	4139806.39	Offsite-1.5m	0.0035	0.0037	0.0031	0.0006	0.00005	0.00455	0.00603	0.62068	0.61100	0.08016	0.01448	1.326	0.01752	0.00911	0.00071	0.02734	1.326	0.027	1.354
284	595684.33	4139801.12	Offsite-1.5m	0.0038	0.0040	0.0034	0.0006	0.00005	0.00459	0.00609	0.67048	0.65534	0.08688	0.01474	1.427	0.01752	0.00919	0.00072	0.02743	1.427	0.027	1.455
285	595611.41	4139875.70	Offsite-1.5m	0.0016	0.0019	0.0014	0.0004	0.00004	0.00382	0.00506	0.28811	0.31043	0.03723	0.01086	0.647	0.01402	0.00765	0.00060	0.02226	0.647	0.022	0.669
286	595617.43	4139870.43	Offsite-1.5m	0.0017	0.0020	0.0015	0.0004	0.00004	0.00386	0.00512	0.30234	0.32357	0.03904	0.01112	0.676	0.01402	0.00773	0.00060	0.02235	0.676	0.022	0.698
287	595683.59	4139812.41	Offsite-1.5m	0.0036	0.0038	0.0032	0.0005	0.00005	0.00436	0.00577	0.63135	0.61757	0.08197	0.01370	1.345	0.01752	0.00873	0.00068	0.02693	1.345	0.027	1.372

288	595689.61	4139807.13	Offsite-1.5m	0.0039	0.0040	0.0034	0.0005	0.00005	0.00440	0.00583	0.68471	0.66356	0.08895	0.01370	1.451	0.01752	0.00881	0.00069	0.02702	1.451	0.027	1.478
289	595616.69	4139881.72	Offsite-1.5m	0.0016	0.0019	0.0014	0.0004	0.00004	0.00367	0.00487	0.28277	0.30386	0.03646	0.01034	0.633	0.01402	0.00734	0.00057	0.02194	0.633	0.022	0.655
290	595622.70	4139876.44	Offsite-1.5m	0.0017	0.0019	0.0015	0.0004	0.00004	0.00371	0.00492	0.29700	0.31700	0.03853	0.01060	0.663	0.01402	0.00742	0.00058	0.02202	0.663	0.022	0.685
291	595628.72	4139871.17	Offsite-1.5m	0.0018	0.0020	0.0016	0.0004	0.00004	0.00376	0.00498	0.31479	0.33178	0.04060	0.01086	0.698	0.01402	0.00752	0.00059	0.02213	0.698	0.022	0.720
292	595634.73	4139865.89	Offsite-1.5m	0.0019	0.0021	0.0017	0.0004	0.00004	0.00380	0.00504	0.33257	0.34820	0.04292	0.01112	0.735	0.01402	0.00760	0.00059	0.02222	0.735	0.022	0.757
293	595640.75	4139860.62	Offsite-1.5m	0.0020	0.0022	0.0018	0.0004	0.00004	0.00384	0.00509	0.35213	0.36627	0.04551	0.01138	0.775	0.01402	0.00769	0.00060	0.02231	0.775	0.022	0.798
294	595664.81	4139839.52	Offsite-1.5m	0.0026	0.0028	0.0023	0.0005	0.00005	0.00401	0.00532	0.45884	0.46153	0.05921	0.01215	0.992	0.01752	0.00803	0.00063	0.02618	0.992	0.026	1.018
295	595670.82	4139834.24	Offsite-1.5m	0.0028	0.0030	0.0025	0.0005	0.00005	0.00405	0.00537	0.49441	0.49438	0.06413	0.01215	1.065	0.01752	0.00811	0.00063	0.02626	1.065	0.026	1.091
296	595676.84	4139828.97	Offsite-1.5m	0.0030	0.0032	0.0027	0.0005	0.00005	0.00410	0.00543	0.53532	0.53052	0.06956	0.01241	1.148	0.01752	0.00821	0.00064	0.02637	1.148	0.026	1.174
297	595682.85	4139823.70	Offsite-1.5m	0.0033	0.0035	0.0029	0.0005	0.00005	0.00414	0.00548	0.58333	0.57158	0.07576	0.01267	1.243	0.01752	0.00829	0.00065	0.02646	1.243	0.026	1.270
298	595688.87	4139818.42	Offsite-1.5m	0.0036	0.0038	0.0032	0.0005	0.00005	0.00418	0.00553	0.63491	0.61592	0.08249	0.01267	1.346	0.01752	0.00837	0.00065	0.02654	1.346	0.027	1.373
299	595694.88	4139813.15	Offsite-1.5m	0.00388	0.00405	0.00348	0.00050	0.00005	0.00421	0.00558	0.69004	0.66520	0.08998	0.01293	1.458	0.01752	0.00843	0.00066	0.02661	1.458	0.0266	1.485
300	595621.96	4139887.73	Offsite-1.5m	0.0016	0.0018	0.0014	0.0004	0.00004	0.00354	0.00469	0.27744	0.29564	0.03568	0.01008	0.619	0.01402	0.00708	0.00055	0.02166	0.619	0.022	0.641
301	595627.98	4139882.46	Offsite-1.5m	0.0016	0.0019	0.0015	0.0004	0.00004	0.00358	0.00474	0.29167	0.30878	0.03775	0.01008	0.648	0.01402	0.00716	0.00056	0.02174	0.648	0.022	0.670
302	595633.99	4139877.18	Offsite-1.5m	0.0017	0.0020	0.0015	0.0004	0.00004	0.00362	0.00479	0.30767	0.32357	0.03982	0.01034	0.681	0.01402	0.00724	0.00057	0.02183	0.681	0.022	0.703
303	595640.01	4139871.91	Offsite-1.5m	0.0018	0.0021	0.0016	0.0004	0.00004	0.00366	0.00485	0.32546	0.33999	0.04189	0.01060	0.718	0.01402	0.00732	0.00057	0.02192	0.718	0.022	0.740
304	595646.02	4139866.63	Offsite-1.5m	0.0019	0.0022	0.0017	0.0004	0.00004	0.00370	0.00490	0.34502	0.35806	0.04447	0.01060	0.758	0.01402	0.00740	0.00058	0.02200	0.758	0.022	0.780
305	595670.08	4139845.53	Offsite-1.5m	0.0025	0.0028	0.0023	0.0004	0.00004	0.00385	0.00511	0.45173	0.45332	0.05844	0.01138	0.975	0.01402	0.00771	0.00060	0.02233	0.975	0.022	0.997
306	595676.10	4139840.26	Offsite-1.5m	0.0028	0.0030	0.0025	0.0005	0.00004	0.00389	0.00516	0.48908	0.48617	0.06335	0.01164	1.050	0.01402	0.00779	0.00061	0.02241	1.050	0.022	1.073
307	595682.11	4139834.98	Offsite-1.5m	0.0030	0.0032	0.0027	0.0005	0.00004	0.00393	0.00521	0.52998	0.52230	0.06878	0.01164	1.133	0.01402	0.00787	0.00061	0.02250	1.133	0.022	1.155
308	595688.13	4139829.71	Offsite-1.5m	0.0033	0.0034	0.0029	0.0005	0.00004	0.00397	0.00526	0.57800	0.56337	0.07499	0.01189	1.228	0.01402	0.00795	0.00062	0.02259	1.228	0.023	1.251
309	595694.14	4139824.43	Offsite-1.5m	0.0036	0.0037	0.0032	0.0005	0.00005	0.00401	0.00531	0.63135	0.60935	0.08197	0.01189	1.335	0.01752	0.00803	0.00063	0.02618	1.335	0.026	1.361
310	595700.16	4139819.16	Offsite-1.5m	0.0039	0.0040	0.0035	0.0005	0.00005	0.00404	0.00536	0.68649	0.65863	0.08947	0.01215	1.447	0.01752	0.00809	0.00063	0.02624	1.447	0.026	1.473
311	595627.24	4139893.75	Offsite-1.5m	0.0015	0.0018	0.0014	0.0004	0.00004	0.00341	0.00452	0.26855	0.28743	0.03491	0.00957	0.600	0.01402	0.00682	0.00053	0.02138	0.600	0.021	0.622
312	595633.25	4139888.47	Offsite-1.5m	0.0016	0.0018	0.0014	0.0004	0.00004	0.00345	0.00457	0.28277	0.30057	0.03672	0.00983	0.630	0.01402	0.00690	0.00054	0.02146	0.630	0.021	0.651
313	595639.27	4139883.20	Offsite-1.5m	0.0017	0.0019	0.0015	0.0004	0.00004	0.00348	0.00462	0.29878	0.31535	0.03853	0.00983	0.662	0.01402	0.00696	0.00055	0.02153	0.662	0.022	0.684
314	595645.28	4139877.92	Offsite-1.5m	0.0018	0.0020	0.0016	0.0004	0.00004	0.00352	0.00467	0.31657	0.33014	0.04085	0.01008	0.698	0.01402	0.00704	0.00055	0.02162	0.698	0.022	0.719
315	595651.30	4139872.65	Offsite-1.5m	0.0019	0.0021	0.0017	0.0004	0.00004	0.00356	0.00471	0.33613	0.34820	0.04344	0.01008	0.738	0.01402	0.00712	0.00056	0.02170	0.738	0.022	0.760
316	595675.36	4139851.55	Offsite-1.5m	0.0025	0.0027	0.0022	0.0004	0.00004	0.00370	0.00491	0.44106	0.44182	0.05715	0.01086	0.951	0.01402	0.00740	0.00058	0.02200	0.951	0.022	0.973
317	595681.37	4139846.27	Offsite-1.5m	0.0027	0.0029	0.0024	0.0004	0.00004	0.00374	0.00496	0.47841	0.47303	0.06206	0.01086	1.024	0.01402	0.00748	0.00059	0.02209	1.024	0.022	1.046
318	595687.39	4139841.00	Offsite-1.5m	0.0029	0.0031	0.0026	0.0004	0.00004	0.00378	0.00500	0.51931	0.50916	0.06749	0.01112	1.107	0.01402	0.00756	0.00059	0.02217	1.107	0.022	1.129
319	595693.40	4139835.72	Offsite-1.5m	0.0032	0.0034	0.0029	0.0004	0.00004	0.00381	0.00505	0.56733	0.55023	0.07369	0.01112	1.202	0.01402	0.00763	0.00060	0.02224	1.202	0.022	1.225
320	595699.42	4139830.45	Offsite-1.5m	0.0035	0.0036	0.0031	0.0004	0.00004	0.00385	0.00510	0.61890	0.59622	0.08068	0.01138	1.307	0.01402	0.00771	0.00060	0.02233	1.307	0.022	1.329
321	595705.43	4139825.17	Offsite-1.5m	0.0038	0.0039	0.0034	0.0004	0.00004	0.00388	0.00514	0.67404	0.64385	0.08792	0.01138	1.417	0.01402	0.00777	0.00061	0.02239	1.417	0.022	1.440
322	595538.00	4139862.21	Offsite-1.5m	0.0013	0.0017	0.0012	0.0005	0.00006	0.00476	0.00631	0.23298	0.27265	0.03051	0.01319	0.549	0.02103	0.00953	0.00074	0.03130	0.549	0.031	0.581
323	595543.28	4139868.23	Offsite-1.5m	0.0013	0.0017	0.0012	0.0005	0.00005	0.00456	0.00604	0.23476	0.27101	0.03051	0.01267	0.549	0.01752	0.00913	0.00071	0.02736	0.549	0.027	0.576
324	595548.55	4139874.24	Offsite-1.5m	0.0013	0.0016	0.0012	0.0005	0.00005	0.00437	0.00579	0.23476	0.26936	0.03051	0.01215	0.547	0.01752	0.00875	0.00068	0.02695	0.547	0.027	0.574
325	595518.51	4139839.13	Offsite-1.5m	0.0013	0.0017	0.0012	0.0006	0.00007	0.00567	0.00752	0.22764	0.27429	0.03051	0.01551	0.548	0.02453	0.01135	0.00089	0.03677	0.548	0.037	0.585
326	595523.78	4139845.14	Offsite-1.5m	0.0013	0.0017	0.0012	0.0006	0.00006	0.00541	0.00716	0.22942	0.27429	0.03051	0.01500	0.549	0.02103	0.01083	0.00085	0.03270	0.549	0.033	0.582
327	595529.06	4139851.16	Offsite-1.5m	0.0013	0.0017	0.0012	0.0006	0.00006	0.00516	0.00684	0.23120	0.27429	0.03051	0.01422	0.550	0.02103	0.01033	0.00081	0.03216	0.550	0.032	0.582
328	595423.72	4139795.40	Offsite-1.5m	0.0010	0.0014	0.0011	0.0008	0.00012	0.00983	0.01303	0.17607	0.22666	0.02767	0.01991	0.450	0.04206	0.01967	0.00154	0.06327	0.450	0.063	0.514
329	595431.44	4139793.30	Offsite-1.5m	0.0010	0.0014	0.0011	0.0008	0.00012	0.00989	0.01310	0.17962	0.23323	0.02818	0.02043	0.461	0.04206	0.01979	0.00155	0.06340	0.461	0.063	0.525
330	595437.60	4139800.23	Offsite-1.5m	0.0010	0.0014	0.0011	0.0008	0.00011	0.00916	0.01214	0.18318	0.23652	0.02818	0.01965	0.468	0.03855	0.01833	0.00143	0.05832	0.468	0.058	0.526
331	595439.69	4139807.95	Offsite-1.5m	0.0010	0.0014	0.0011	0.0007	0.00010	0.00853	0.01130	0.18318	0.23487	0.02793	0.01913	0.465	0.03505	0.01707	0.00133	0.05345	0.465	0.053	0.519
332	595441.79	4139815.67	Offsite-1.5m	0.0010	0.0014	0.0011	0.0007	0.00010	0.00797	0.01056	0.18318	0.23487	0.02741	0.01836	0.464	0.03505	0.01595	0.00125	0.05225	0.464	0.052	0.516
333	595434.00	4139827.35	Offsite-1.5m	0.0010	0.0014	0.0010	0.0007	0.00009	0.00738	0.00978	0.17785	0.22666	0.02637	0.01707	0.448	0.03154	0.01477	0.00115	0.04747	0.448	0.047	0.495
334	595441.56	4139824.72	Offsite-1.5m	0.0010	0.0014	0.0010	0.0007	0.00009	0.00743	0.00985	0.18140	0.23159	0.02689	0.01732	0.457	0.03154	0.01487	0.00116	0.04758	0.457	0.048	0.505
335	595393.07	4139720.73	Offsite-1.5m	0.0009	0.0013	0.0011	0.0009	0.00033	0.02915	0.03863	0.15295	0.20531	0.02844	0.02353	0.410	0.11566	0.05834	0.00456	0.17856	0.410	0.179	0.589
336	595399.43	4139715.87	Offsite-1.5m	0.0009	0.0013	0.0011	0.0009	0.00037	0.03318	0.04398	0.15473	0.21024	0.02948	0.02431	0.419	0.12968	0.06640	0.00519	0.20127	0.419	0.201	0.620
337	595407.75	4139719.97	Offsite-1.5m	0.0009	0.0013	0.0012	0.0010	0.00033	0.03008	0.03987	0.16184	0.21681	0.03025	0.02508	0.434	0.11566	0.06020	0.00471	0.18057	0.434	0.181	0.615
338	595412.60	4139726.33	Offsite-1.5m	0.0009	0.0014	0.0012	0.0010	0.00029	0.02583	0.03424	0.16540	0.22173	0.03051	0.02508	0.443	0.10164	0.05169	0.00404	0.15738	0.443	0.157	0.600
339	595417.46	4139732.68	Offsite-1.5m	0.0010	0.0014	0.0012	0.0010	0.00026	0.02247	0.02978	0.17073	0.22666	0.03077	0.02508	0.453	0.09113	0.04497	0.00351	0.13961	0.453	0.140	0.593
340	595420.66	4139741.15	Offsite-1.5m	0.0010	0.0014	0.0012	0.0010	0.00022	0.01919	0.02543	0.17429	0.22995	0.03051	0.02482	0.460	0.07711	0.03841	0.00300	0.11851	0.460	0.119	0.578
341	595425.38	4139749.45	Offsite-1.5m	0.0010	0.0014	0.0012	0.0009	0.00019	0.01666	0.02208	0.17785	0.23323	0.03051	0.02431	0.466	0.06659	0.03334	0.00261	0.10254	0.466	0.103	0.568
342	595429.85	4139756.09	Offsite-1.5m	0.0010	0.0014	0.0012	0.0009	0.00018	0.01500	0.01988	0.17962	0.23652	0.03051	0.02405	0.471	0.06309	0.03002	0.00235	0.09545	0.471	0.095	0.566
343	595420.08	4139768.63	Offsite-1.5m	0.0010	0.0014	0.0011	0.0009	0.00016	0.01313	0.01740	0.17429	0.22830	0.02896	0.02224	0.454	0.05608	0.02628	0.00205	0.08441	0.454	0.084	0.538
344	595428.44	4139764.22	Offsite-1.5m	0.0010	0.0014	0.0012	0.0009	0.00016	0.01358	0.01800	0.17962	0.23487	0.02999	0.02301	0.468	0.05608	0.02718	0.00212	0.08538	0.468	0.085	0.553
345	595489.36	4139807.39	Offsite-1.5m	0.0012	0.0016	0.0012	0.0008	0.00009	0.00757	0.01003	0.21519	0.26936	0.03077	0.01939	0.535	0.03154	0.01515	0.00118	0.04788	0.535	0.048	0.583
346	595489.55	4139815.39	Offsite-1.5m	0.0012	0.0016	0.0012	0.0007	0.00008	0.00713	0.00945	0.21342	0.26608	0.03025	0.01836	0.528	0.02804	0.01427	0.00112	0.04342	0.528	0.043	0.572
347	595489.74	4139823.39	Offsite-1.5m	0.0012	0.0016	0.0012	0.0007	0.00008	0.00673	0.00892	0.21164	0.26279	0.02974	0.01758	0.522	0.02804	0.01347	0.00105	0.04256	0.522	0.043	0.564
348	595546.71	4139912.61	Offsite-1.5m	0.0012	0.0014	0.0010	0.0004	0.00004	0.00365	0.00484	0.20452	0.23323	0.02637	0.00983	0.474	0.01402	0.00730	0.00057	0.02190	0.474	0.022	0.496
349	595554.19	4139915.43	Offsite-1.5m	0.0012	0.0014	0.0010	0.0004	0.00004	0.00356	0.00472	0.20452	0.23159	0.02663	0.00957	0.472	0.01402	0.00712	0.00056	0.02170	0.472	0.022	0.494
350	595561.68	4139918.24	Offsite-1.5m	0.0012	0.0014	0.0010	0.0004	0.00004	0.00347	0.00460	0.20630	0.23159	0.02663	0.00931	0.474	0.01402	0.00694	0.00054	0.02151	0.474	0.022	0.495
351	595580.00	4139924.04	Offsite-1.5m	0.0012	0.0014	0.0010	0.0003	0.00004	0.00328	0.00434	0.20630	0.22995	0.02663	0.00879	0.472	0.01402	0.00656	0.00051	0.02110	0.472	0.021	0.493
352	595587.54	4139926.71	Offsite-1.5m	0.0012	0.0014	0.0010	0.0003	0.00004	0.00320	0.00424	0.20452	0.22666	0.02637	0.00853	0.466	0.01402	0.00640	0.00050	0.02092	0.466	0.021	0.487
353	595595.08	4139929.39	Offsite-1.5m	0.0011	0.0014	0.0010	0.0003	0.00004	0.00312	0.00414	0.20274	0.22502	0.02637	0.00827	0.462	0.01402	0.00624	0.00049	0.02075	0.462	0.021	0.483
354	595605.09	4139959.39	Offsite-1.5m	0.0010	0.0012	0.0008	0.0003	0.00003	0.00273	0.00362	0.16895	0.18888	0.02172	0.00724	0.387	0.01051	0.00546	0.00043	0.01641	0.387	0.016	0.403
355	595601.90	4139966.73	Offsite-1.5m	0.0009	0.0011	0.0008	0.0003	0.00003	0.00267	0.00354	0.16006	0.18067	0.02094	0.00698	0.369	0.01051	0.00534	0.00042	0.01628	0.369	0.016	0.385
356	595598.72	4139974.07	Offsite-1.5m	0.0009	0.0011	0.0008	0.0003	0.00003	0.00261	0.00346	0.15295	0.17410	0.01991	0.00672	0.354	0.01051	0.00522	0.00041	0.01615	0.354	0.016	0.370
357	595631.69	4139982.64	Offsite-1.5m	0.0008	0.0010	0.0007	0.0002	0.00003	0.00240	0.00319	0.14228	0.16096	0.01836	0.00621	0.328	0.01051	0.00480	0.00038	0.01569	0.328	0.016	0.343
358	595638.84	4139986.22	Offsite-1.5m	0.0008	0.0010	0.0007	0.0002	0.00003	0.00235	0.00311	0.13694	0.15768	0.01784	0.00595	0.318	0.01051	0.00470	0.00037	0.01558	0.318	0.016	0.334
359	595645.99	4139989.81	Offsite-1.5m	0.0008	0.0009	0.0007	0.0002	0.00003	0.00229	0.00304	0.13338	0.15275	0.01732	0.00569	0.309	0.01051	0.00458	0.00036	0.01546	0.309	0.015	0.325
360	595658.19	4139997.65	Offsite-1.5m	0.0007	0.0009	0.0006	0.0002	0.00003	0.00219	0.00290	0.12449	0.14454	0.01603	0.00543	0.290	0.01051	0.00438	0.00034	0.01524	0.290	0.015	0.306
361	595663.47	4140003.67	Offsite-1.5m	0.0007	0.0008	0.0006	0.0002	0.00002	0.00213	0.00282	0.11916	0.13797	0.01526	0.00517	0.278	0.00701	0.00426	0.00033	0.01161	0.278	0.012	0.289
362	595668.74	4140009.68	Offsite-1.5m	0.0006	0.0008	0.0006	0.0002	0.00002	0.00207	0.00274	0.11382	0.13304	0.01474	0.00491	0.267	0.00701	0.00414	0.00032	0.01148	0.267	0.011	0.278
		Max		**0.00388**	**0.00405**	**0.00348**	**0.00243**	**0.00104**	**0.13784**	**0.18266**	**0.690**	**0.665**	**0.090**	**0.063**	**1.458**	**0.365**	**0.276**	**0.022**	**0.662**	**1.458**	**0.662**	**1.485**

Health Risks at Off-Site Receptors From Generator Operation

681 E. Trimble, San Jose, CA - AERMOD Modeling Parameters
Project 670 Horsepower Diesel Emergency Generator
Off-Site Residential Receptors - 1st Floor Receptor Heights (1.5 meters)

DPM Emission Rates				
	Annual	**DPM Emissions**		
	Operation	**Daily**	**Annual**	**Annual**
Source Type	**(hr)**	**(lb/day)**	**(lb/yr)**	**(tons/yr)**
Generator	50	0.0221	8.08	4.04E-03

Modeling Information	
Model:	AERMOD
Source	Diesel Engine - 670 hp emergency generator
Source Type	Point
Receptor Spacing	at off-site residences
Receptor Height	1.5 meters
Meteorological Data	2013-2017 BAAQMD San Josed Airport data
Point Source Stack Parameters	
Stack Height** (ft)	12
Stack Diameter** (ft)	0.60
Stack Exit Velocity** (ft/sec)	149
Exhaust Temperature** (F)	872
Annual Emission Rate (lb/year)	8.08
Hourly Emission Rate (lb/hr)	9.22E-04
Hourly Emission Rate (g/sec)	1.16E-04

** BAAQMD default generator parameters

681 E. Trimble, San Jose, CA - DPM Cancer Risks
Project 670 Horsepower Diesel Emergency Generator
Off-Site Residential Receptors - 1st Floor Receptor Heights (1.5 meters)
26-Year Exposure at Off-Site Project Cancer Risk MEI

Cancer Risk Calculation Method

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)
10^{-6} = Conversion factor

Values

Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$

TAC	CPF
DPM	1.10E+00

	Infant/Child			Adult
Age -->	**3rd Trimester**	**0 - 2**	**2 - 16**	**16 +**
Parameter				
ASF	10	10	3	1
DBR* =	361	1090	572	261
A =	1	1	1	1
EF =	350	350	350	350
ED =	0.25	2	14	14
AT =	70	70	70	70
FAH =	1.00	1.00	1.00	0.73

* 95th percentile breathing rates for infants and 80th percentile for children and adults

Off-Site Project MEI Cancer Risk Receptor

Exposure Duration (years)	Age	Age Sensitivity Factor	DPM Annual Conc (ug/m3)	DPM Cancer Risk (per million)
0	-0.25 - 0*	10	0.00000	0.00
0	0 - 2	10	0.00000	0.00
12	2 - 16	3	0.00024	0.07
14	16+_	1	0.00024	0.01
Total Increased Cancer Risk				**0.08**

* Third trimester of pregnancy

Attachment 5: Cumulative Community Risk from Existing TAC Sources

Attachment 5: Cumulative Community Risk from Existing TAC Sources

File Name:	Santa Clara (SF) - 2024 - Annual-BAAQMD Trucks.EF
CT-EMFAC2017 Version:	1.0.2.27401
Run Date:	7/11/2022 17:37
Area:	Santa Clara (SF)
Analysis Year:	2024
Season:	Annual

===

Vehicle Category	VMT Fraction Across Category	Diesel VMT Fraction Within Category	Gas VMT Fraction Within Category
Truck 1	0.015	0.495	0.505
Truck 2	0.02	0.937	0.048
Non-Truck	0.965	0.014	0.955

===

Road Type:	Major/Collector	
Silt Loading Factor:	CARB	0.032 g/m2
Precipitation Correction:	CARB	P = 64 days N = 365 days

===

Fleet Average Running Exhaust Emission Factors (grams/veh-mile)

Pollutant Name	<= 5 mph	10 mph	15 mph	20 mph	25 mph	30 mph	35 mph	40 mph	45 mph	50 mph	55 mph
PM2.5	0.008837	0.005727	0.003882	0.002774	0.002102	0.001693	0.001451	0.001324	0.001283	0.001313	0.001408
TOG	0.182802	0.119558	0.080373	0.056919	0.043051	0.034349	0.028781	0.025311	0.023359	0.022626	0.023011
Diesel PM	0.000842	0.000689	0.000532	0.000425	0.000365	0.000339	0.000339	0.000361	0.000404	0.000467	0.00055
DEOG	0.011829	0.008537	0.004556	0.002335	0.001644	0.00131	0.001086	0.000937	0.000846	0.000804	0.000807

===

Fleet Average Running Loss Emission Factors (grams/veh-hour)

Pollutant Name	Emission Factor
TOG	1.303551

===

Fleet Average Tire Wear Factors (grams/veh-mile)

Pollutant Name	Emission Factor
PM2.5	0.002108

===

Fleet Average Brake Wear Factors (grams/veh-mile)

Pollutant Name	Emission Factor
PM2.5	0.016805

===

Fleet Average Road Dust Factors (grams/veh-mile)

Pollutant Name	Emission Factor
PM2.5	0.01484

==============================END===

681 E Seely, San Jose, CA - Roadway Modeling Emissions

Montague Expressway - Background Traffic

DPM Modeling - Roadway Links, Traffic Volumes, and DPM Emissions

Year = 2024

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
DPM_NBME	Northbound Montague Expy	NW-SW	4	809	0.50	14.6	48.0	3.4	40	31,280
DPM_SBME	Southbound Montague Expy	NW-SW	4	809	0.50	14.6	48.0	3.4	40	31,280
										62,560

Emission Factors - DPM

Speed Category	1	2	3	4
Travel Speed (mph)	40			
Emissions per Vehicle (g/VMT)	0.00036			

Emisson Factors from CT-EMFAC2017

2024 Hourly Traffic Volumes and DPM Emissions - DPM_NBME

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	3.90%	1219	6.14E-05	9	6.42%	2008	1.01E-04	17	5.62%	1757	8.85E-05
2	2.58%	807	4.06E-05	10	7.34%	2294	1.16E-04	18	3.27%	1022	5.15E-05
3	2.87%	896	4.52E-05	11	6.42%	2008	1.01E-04	19	2.35%	735	3.70E-05
4	3.32%	1040	5.24E-05	12	6.88%	2151	1.08E-04	20	0.86%	269	1.35E-05
5	2.18%	681	3.43E-05	13	6.25%	1954	9.85E-05	21	3.09%	968	4.88E-05
6	3.38%	1058	5.33E-05	14	6.19%	1936	9.76E-05	22	4.13%	1291	6.50E-05
7	6.02%	1882	9.48E-05	15	5.10%	1595	8.04E-05	23	2.52%	789	3.97E-05
8	4.64%	1452	7.32E-05	16	3.78%	1183	5.96E-05	24	0.92%	287	1.45E-05
								Total		31,280	

2024 Hourly Traffic Volumes Per Direction and DPM Emissions - DPM_SBME

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	3.90%	1219	6.14E-05	9	6.42%	2008	1.01E-04	17	5.62%	1757	8.85E-05
2	2.58%	807	4.06E-05	10	7.34%	2294	1.16E-04	18	3.27%	1022	5.15E-05
3	2.87%	896	4.52E-05	11	6.42%	2008	1.01E-04	19	2.35%	735	3.70E-05
4	3.32%	1040	5.24E-05	12	6.88%	2151	1.08E-04	20	0.86%	269	1.35E-05
5	2.18%	681	3.43E-05	13	6.25%	1954	9.85E-05	21	3.09%	968	4.88E-05
6	3.38%	1058	5.33E-05	14	6.19%	1936	9.76E-05	22	4.13%	1291	6.50E-05
7	6.02%	1882	9.48E-05	15	5.10%	1595	8.04E-05	23	2.52%	789	3.97E-05
8	4.64%	1452	7.32E-05	16	3.78%	1183	5.96E-05	24	0.92%	287	1.45E-05
								Total		31,280	

681 E Seely, San Jose, CA - Roadway Modeling Emissions
Montague Expressway - Background Traffic
PM2.5 Modeling - Roadway Links, Traffic Volumes, and PM2.5 Emissions
Year = 2024

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
PM25_NBME	Northbound Montague Expy	NW-SW	4	809	0.50	14.6	48	1.3	40	31,280
PM25_SBME	Southbound Montague Expy	NW-SW	4	809	0.50	14.6	48	1.3	40	31,280
									Total	62,560

Emission Factors - PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	40			
Emissions per Vehicle (g/VMT)	0.001324			

Emisson Factors from CT-EMFAC2017

2024 Hourly Traffic Volumes and PM2.5 Emissions - PM25_NBME

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.15%	360	6.66E-05	9	7.11%	2225	4.11E-04	17	7.39%	2310	4.27E-04
2	0.42%	131	2.41E-05	10	4.39%	1372	2.54E-04	18	8.18%	2557	4.73E-04
3	0.41%	127	2.35E-05	11	4.66%	1459	2.70E-04	19	5.70%	1781	3.29E-04
4	0.26%	82	1.51E-05	12	5.89%	1842	3.40E-04	20	4.27%	1337	2.47E-04
5	0.50%	156	2.89E-05	13	6.15%	1924	3.56E-04	21	3.26%	1019	1.88E-04
6	0.90%	283	5.22E-05	14	6.04%	1888	3.49E-04	22	3.30%	1031	1.91E-04
7	3.79%	1186	2.19E-04	15	7.01%	2194	4.06E-04	23	2.46%	770	1.42E-04
8	7.76%	2429	4.49E-04	16	7.14%	2233	4.13E-04	24	1.87%	584	1.08E-04
								Total		31,280	

2024 Hourly Traffic Volumes Per Direction and PM2.5 Emissions - PM25_SBME

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.15%	360	6.66E-05	9	7.11%	2225	4.11E-04	17	7.39%	2310	4.27E-04
2	0.42%	131	2.41E-05	10	4.39%	1372	2.54E-04	18	8.18%	2557	4.73E-04
3	0.41%	127	2.35E-05	11	4.66%	1459	2.70E-04	19	5.70%	1781	3.29E-04
4	0.26%	82	1.51E-05	12	5.89%	1842	3.40E-04	20	4.27%	1337	2.47E-04
5	0.50%	156	2.89E-05	13	6.15%	1924	3.56E-04	21	3.26%	1019	1.88E-04
6	0.90%	283	5.22E-05	14	6.04%	1888	3.49E-04	22	3.30%	1031	1.91E-04
7	3.79%	1186	2.19E-04	15	7.01%	2194	4.06E-04	23	2.46%	770	1.42E-04
8	7.76%	2429	4.49E-04	16	7.14%	2233	4.13E-04	24	1.87%	584	1.08E-04
								Total		31,280	

681 E Seely, San Jose, CA - Roadway Modeling Emissions
Montague Expressway - Background Traffic
TOG Exhaust Modeling - Roadway Links, Traffic Volumes, and TOG Exhaust Emissions
Year = 2024

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
TEXH_NBME	Northbound Montague Expy	NW-SW	4	809	0.50	14.6	48	1.3	40	31,280
TEXH_SBME	Southbound Montague Expy	NW-SW	4	809	0.50	14.6	48	1.3	40	31,280
									Total	62,560

Emission Factors - TOG Exhaust

Speed Category	1	2	3	4
Travel Speed (mph)	40			
All Vehicles TOG Emissions per Vehicle (g/VMT)	0.02531			
Diesel Vehicles TOG Emissions per Vehicle (g/VMT)	0.00094			
Gasoline Vehicles Emissions per Vehicle (g/VMT)	0.02437			

Emisson Factors from CT-EMFAC2017

2024 Hourly Traffic Volumes and TOG Exhaust Emissions - TEXH_NBME

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.15%	360	1.23E-03	9	7.11%	2225	7.57E-03	17	7.39%	2310	7.86E-03
2	0.42%	131	4.45E-04	10	4.39%	1372	4.67E-03	18	8.18%	2557	8.70E-03
3	0.41%	127	4.32E-04	11	4.66%	1459	4.96E-03	19	5.70%	1781	6.06E-03
4	0.26%	82	2.78E-04	12	5.89%	1842	6.27E-03	20	4.27%	1337	4.55E-03
5	0.50%	156	5.32E-04	13	6.15%	1924	6.55E-03	21	3.26%	1019	3.47E-03
6	0.90%	283	9.62E-04	14	6.04%	1888	6.42E-03	22	3.30%	1031	3.51E-03
7	3.79%	1186	4.03E-03	15	7.01%	2194	7.47E-03	23	2.46%	770	2.62E-03
8	7.76%	2429	8.26E-03	16	7.14%	2233	7.60E-03	24	1.87%	584	1.99E-03
								Total		31,280	

2024 Hourly Traffic Volumes Per Direction and TOG Exhaust Emissions - TEXH_SBME

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.15%	360	1.23E-03	9	7.11%	2225	7.57E-03	17	7.39%	2310	7.86E-03
2	0.42%	131	4.45E-04	10	4.39%	1372	4.67E-03	18	8.18%	2557	8.70E-03
3	0.41%	127	4.32E-04	11	4.66%	1459	4.96E-03	19	5.70%	1781	6.06E-03
4	0.26%	82	2.78E-04	12	5.89%	1842	6.27E-03	20	4.27%	1337	4.55E-03
5	0.50%	156	5.32E-04	13	6.15%	1924	6.55E-03	21	3.26%	1019	3.47E-03
6	0.90%	283	9.62E-04	14	6.04%	1888	6.42E-03	22	3.30%	1031	3.51E-03
7	3.79%	1186	4.03E-03	15	7.01%	2194	7.47E-03	23	2.46%	770	2.62E-03
8	7.76%	2429	8.26E-03	16	7.14%	2233	7.60E-03	24	1.87%	584	1.99E-03
								Total		31,280	

681 E Seely, San Jose, CA - Roadway Modeling Emissions

Montague Expressway - Background Traffic

TOG Evaporative Emissions Modeling - Roadway Links, Traffic Volumes, and TOG Evaporative Emissions

Year = 2024

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
TEVAP_NBME	Northbound Montague Expy	NW-SW	4	809	0.50	14.6	48	1.3	40	31,280
TEVAP_SBME	Southbound Montague Expy	NW-SW	4	809	0.50	14.6	48	1.3	40	31,280
									Total	62,560

Emission Factors - PM2.5 - Evaporative TOG

Speed Category	1	2	3	4
Travel Speed (mph)	40			
Emissions per Vehicle per Hour (g/hour)	1.30355			
Emissions per Vehicle per Mile (g/VMT)	0.03259			

Emisson Factors from CT-EMFAC2017

2024 Hourly Traffic Volumes and TOG Evaporative Emissions - TEVAP_NBME

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.15%	360	1.64E-03	9	7.11%	2225	1.01E-02	17	7.39%	2310	1.05E-02
2	0.42%	131	5.94E-04	10	4.39%	1372	6.24E-03	18	8.18%	2557	1.16E-02
3	0.41%	127	5.78E-04	11	4.66%	1459	6.64E-03	19	5.70%	1781	8.10E-03
4	0.26%	82	3.72E-04	12	5.89%	1842	8.38E-03	20	4.27%	1337	6.08E-03
5	0.50%	156	7.11E-04	13	6.15%	1924	8.75E-03	21	3.26%	1019	4.64E-03
6	0.90%	283	1.29E-03	14	6.04%	1888	8.59E-03	22	3.30%	1031	4.69E-03
7	3.79%	1186	5.39E-03	15	7.01%	2194	9.98E-03	23	2.46%	770	3.50E-03
8	7.76%	2429	1.10E-02	16	7.14%	2233	1.02E-02	24	1.87%	584	2.66E-03
								Total		31,280	

2024 Hourly Traffic Volumes Per Direction and TOG Evaporative Emissions - TEVAP_SBME

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.15%	360	1.64E-03	9	7.11%	2225	1.01E-02	17	7.39%	2310	1.05E-02
2	0.42%	131	5.94E-04	10	4.39%	1372	6.24E-03	18	8.18%	2557	1.16E-02
3	0.41%	127	5.78E-04	11	4.66%	1459	6.64E-03	19	5.70%	1781	8.10E-03
4	0.26%	82	3.72E-04	12	5.89%	1842	8.38E-03	20	4.27%	1337	6.08E-03
5	0.50%	156	7.11E-04	13	6.15%	1924	8.75E-03	21	3.26%	1019	4.64E-03
6	0.90%	283	1.29E-03	14	6.04%	1888	8.59E-03	22	3.30%	1031	4.69E-03
7	3.79%	1186	5.39E-03	15	7.01%	2194	9.98E-03	23	2.46%	770	3.50E-03
8	7.76%	2429	1.10E-02	16	7.14%	2233	1.02E-02	24	1.87%	584	2.66E-03
								Total		31,280	

681 E Seely, San Jose, CA - Roadway Modeling Emissions
Montague Expressway - Background Traffic
Fugitive Road PM2.5 Modeling - Roadway Links, Traffic Volumes, and Fugitive Road PM2.5 Emissions
Year = 2024

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
FUG_NBME	Northbound Montague Expy	NW-SW	4	809	0.50	14.6	48	1.3	40	31,280
FUG_SBME	Southbound Montague Expy	NW-SW	4	809	0.50	14.6	48	1.3	40	31,280
									Total	62,560

Emission Factors - Fugitive PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	40			
Tire Wear - Emissions per Vehicle (g/VMT)	0.00211			
Brake Wear - Emissions per Vehicle (g/VMT)	0.01681			
Road Dust - Emissions per Vehicle (g/VMT)	0.01484			
Total Fugitive PM2.5 - Emissions per Vehicle (g/VMT)	0.03375			

Emisson Factors from CT-EMFAC2017

2024 Hourly Traffic Volumes and Fugitive PM2.5 Emissions - FUG_NBME

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.15%	360	1.70E-03	9	7.11%	2225	1.05E-02	17	7.39%	2310	1.09E-02
2	0.42%	131	6.16E-04	10	4.39%	1372	6.46E-03	18	8.18%	2557	1.20E-02
3	0.41%	127	5.98E-04	11	4.66%	1459	6.87E-03	19	5.70%	1781	8.39E-03
4	0.26%	82	3.85E-04	12	5.89%	1842	8.68E-03	20	4.27%	1337	6.30E-03
5	0.50%	156	7.36E-04	13	6.15%	1924	9.07E-03	21	3.26%	1019	4.80E-03
6	0.90%	283	1.33E-03	14	6.04%	1888	8.90E-03	22	3.30%	1031	4.86E-03
7	3.79%	1186	5.59E-03	15	7.01%	2194	1.03E-02	23	2.46%	770	3.63E-03
8	7.76%	2429	1.14E-02	16	7.14%	2233	1.05E-02	24	1.87%	584	2.75E-03
								Total		31,280	

2024 Hourly Traffic Volumes Per Direction and Fugitive PM2.5 Emissions - FUG_SBME

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.15%	360	1.70E-03	9	7.11%	2225	1.05E-02	17	7.39%	2310	1.09E-02
2	0.42%	131	6.16E-04	10	4.39%	1372	6.46E-03	18	8.18%	2557	1.20E-02
3	0.41%	127	5.98E-04	11	4.66%	1459	6.87E-03	19	5.70%	1781	8.39E-03
4	0.26%	82	3.85E-04	12	5.89%	1842	8.68E-03	20	4.27%	1337	6.30E-03
5	0.50%	156	7.36E-04	13	6.15%	1924	9.07E-03	21	3.26%	1019	4.80E-03
6	0.90%	283	1.33E-03	14	6.04%	1888	8.90E-03	22	3.30%	1031	4.86E-03
7	3.79%	1186	5.59E-03	15	7.01%	2194	1.03E-02	23	2.46%	770	3.63E-03
8	7.76%	2429	1.14E-02	16	7.14%	2233	1.05E-02	24	1.87%	584	2.75E-03
								Total		31,280	

681 E Seely, San Jose, CA - Roadway Modeling
River Oaks Parkway - Background Traffic
DPM Modeling - Roadway Links, Traffic Volumes, and DPM Emissions
Year = 2024

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
DPM_ROAK	River Oaks Parkway	NW-SW	2	322	0.20	7.3	24.0	3.4	30	11,940

Emission Factors - DPM

Speed Category	1	2	3	4
Travel Speed (mph)	30			
Emissions per Vehicle (g/VMT)	0.00034			

Emisson Factors from CT-EMFAC2017

2024 Hourly Traffic Volumes and DPM Emissions - DPM_ROAK

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	3.90%	465	8.76E-06	9	6.42%	766	1.44E-05	17	5.62%	671	1.26E-05
2	2.58%	308	5.80E-06	10	7.34%	876	1.65E-05	18	3.27%	390	7.34E-06
3	2.87%	342	6.44E-06	11	6.42%	766	1.44E-05	19	2.35%	281	5.28E-06
4	3.32%	397	7.47E-06	12	6.88%	821	1.55E-05	20	0.86%	103	1.93E-06
5	2.18%	260	4.89E-06	13	6.25%	746	1.40E-05	21	3.09%	369	6.96E-06
6	3.38%	404	7.60E-06	14	6.19%	739	1.39E-05	22	4.13%	493	9.27E-06
7	6.02%	718	1.35E-05	15	5.10%	609	1.15E-05	23	2.52%	301	5.67E-06
8	4.64%	554	1.04E-05	16	3.78%	452	8.50E-06	24	0.92%	109	2.06E-06
								Total		11,940	

681 E Seely, San Jose, CA - Roadway Modeling
River Oaks Parkway - Background Traffic
PM2.5 Modeling - Roadway Links, Traffic Volumes, and PM2.5 Emissions
Year = 2024

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
PM25_ROAK	River Oaks Parkway	NW-SW	2	322	0.20	7.3	24	1.3	30	11,940

Emission Factors - PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	30			
Emissions per Vehicle (g/VMT)	0.001693			

Emisson Factors from CT-EMFAC2017

2024 Hourly Traffic Volumes and PM2.5 Emissions - PM25_ROAK

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.15%	137	1.29E-05	9	7.11%	849	7.98E-05	17	7.39%	882	8.29E-05
2	0.42%	50	4.69E-06	10	4.39%	524	4.92E-05	18	8.18%	976	9.18E-05
3	0.41%	48	4.56E-06	11	4.66%	557	5.24E-05	19	5.70%	680	6.39E-05
4	0.26%	31	2.94E-06	12	5.89%	703	6.61E-05	20	4.27%	510	4.80E-05
5	0.50%	60	5.61E-06	13	6.15%	735	6.91E-05	21	3.26%	389	3.66E-05
6	0.90%	108	1.01E-05	14	6.04%	721	6.78E-05	22	3.30%	394	3.70E-05
7	3.79%	453	4.25E-05	15	7.01%	838	7.87E-05	23	2.46%	294	2.76E-05
8	7.76%	927	8.72E-05	16	7.14%	852	8.01E-05	24	1.87%	223	2.09E-05
								Total		11,940	

681 E Seely, San Jose, CA - Roadway Modeling
River Oaks Parkway - Background Traffic
TOG Exhaust Modeling - Roadway Links, Traffic Volumes, and TOG Exhaust Emissions
Year = 2024

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
TEXH_ROAK	River Oaks Parkway	NW-SW	2	322	0.20	7.3	24	1.3	30	11,940

Emission Factors - TOG Exhaust

Speed Category	1	2	3	4
Travel Speed (mph)	30			
All Vehicles TOG Emissions per Vehicle (g/VMT)	0.03435			
Diesel Vehicles TOG Emissions per Vehicle (g/VMT)	0.00131			
Gasoline Vehicles Emissions per Vehicle (g/VMT)	0.03304			

Emisson Factors from CT-EMFAC2017

2024 Hourly Traffic Volumes and TOG Exhaust Emissions - TEXH_ROAK

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.15%	137	2.52E-04	9	7.11%	849	1.56E-03	17	7.39%	882	1.62E-03
2	0.42%	50	9.15E-05	10	4.39%	524	9.61E-04	18	8.18%	976	1.79E-03
3	0.41%	48	8.89E-05	11	4.66%	557	1.02E-03	19	5.70%	680	1.25E-03
4	0.26%	31	5.73E-05	12	5.89%	703	1.29E-03	20	4.27%	510	9.36E-04
5	0.50%	60	1.09E-04	13	6.15%	735	1.35E-03	21	3.26%	389	7.14E-04
6	0.90%	108	1.98E-04	14	6.04%	721	1.32E-03	22	3.30%	394	7.22E-04
7	3.79%	453	8.30E-04	15	7.01%	838	1.54E-03	23	2.46%	294	5.39E-04
8	7.76%	927	1.70E-03	16	7.14%	852	1.56E-03	24	1.87%	223	4.09E-04
								Total		11,940	

681 E Seely, San Jose, CA - Roadway Modeling
River Oaks Parkway - Background Traffic
TOG Evaporative Emissions Modeling - Roadway Links, Traffic Volumes, and TOG Evaporative Emissions
Year = 2024

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
TEVAP_ROAK	River Oaks Parkway	NW-SW	2	322	0.20	7.3	24	1.3	30	11,940

Emission Factors - PM2.5 - Evaporative TOG

Speed Category	1	2	3	4
Travel Speed (mph)	30			
Emissions per Vehicle per Hour (g/hour)	1.30355			
Emissions per Vehicle per Mile (g/VMT)	0.04345			

Emisson Factors from CT-EMFAC2017

2024 Hourly Traffic Volumes and TOG Evaporative Emissions - TEVAP_ROAK

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.15%	137	3.32E-04	9	7.11%	849	2.05E-03	17	7.39%	882	2.13E-03
2	0.42%	50	1.20E-04	10	4.39%	524	1.26E-03	18	8.18%	976	2.36E-03
3	0.41%	48	1.17E-04	11	4.66%	557	1.34E-03	19	5.70%	680	1.64E-03
4	0.26%	31	7.53E-05	12	5.89%	703	1.70E-03	20	4.27%	510	1.23E-03
5	0.50%	60	1.44E-04	13	6.15%	735	1.77E-03	21	3.26%	389	9.38E-04
6	0.90%	108	2.60E-04	14	6.04%	721	1.74E-03	22	3.30%	394	9.50E-04
7	3.79%	453	1.09E-03	15	7.01%	838	2.02E-03	23	2.46%	294	7.09E-04
8	7.76%	927	2.24E-03	16	7.14%	852	2.06E-03	24	1.87%	223	5.38E-04
								Total		11,940	

681 E Seely, San Jose, CA - Roadway Modeling

River Oaks Parkway - Background Traffic

Fugitive Road PM2.5 Modeling - Roadway Links, Traffic Volumes, and Fugitive Road PM2.5 Emissions

Year = 2024

Road Link	Description	Direction	No. Lanes	Link Length (m)	Link Length (mi)	Link Width (m)	Link Width (ft)	Release Height (m)	Average Speed (mph)	Average Vehicles per Day
FUG_ROAK	River Oaks Parkway	NW-SW	2	322	0.20	7.3	24	1.3	30	11,940

Emission Factors - Fugitive PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	30			
Tire Wear - Emissions per Vehicle (g/VMT)	0.00211			
Brake Wear - Emissions per Vehicle (g/VMT)	0.01681			
Road Dust - Emissions per Vehicle (g/VMT)	0.12615			
Total Fugitive PM2.5 - Emissions per Vehicle (g/VMT)	0.14506			

Emisson Factors from CT-EMFAC2017

2024 Hourly Traffic Volumes and Fugitive PM2.5 Emissions - FUG_ROAK

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.15%	137	1.11E-03	9	7.11%	849	6.84E-03	17	7.39%	882	7.10E-03
2	0.42%	50	4.02E-04	10	4.39%	524	4.22E-03	18	8.18%	976	7.86E-03
3	0.41%	48	3.90E-04	11	4.66%	557	4.49E-03	19	5.70%	680	5.48E-03
4	0.26%	31	2.52E-04	12	5.89%	703	5.66E-03	20	4.27%	510	4.11E-03
5	0.50%	60	4.81E-04	13	6.15%	735	5.92E-03	21	3.26%	389	3.13E-03
6	0.90%	108	8.69E-04	14	6.04%	721	5.81E-03	22	3.30%	394	3.17E-03
7	3.79%	453	3.65E-03	15	7.01%	838	6.75E-03	23	2.46%	294	2.37E-03
8	7.76%	927	7.47E-03	16	7.14%	852	6.87E-03	24	1.87%	223	1.79E-03
								Total		11,940	

681 Trimble - River Oaks Parkway Background Traffic - TACs & PM2.5
AERMOD Risk Modeling Parameters and Maximum Concentrations
Off-Site Maximum Residential Cancer Risk Receptor (1.5 meter receptor height)

Emissions Year	2024
Receptor Information	
Number of Receptors	1
Receptor Height =	1.5 meters above ground level
Receptor distances =	receptor at residential cancer risk MEI location

Meteorological Conditions	
BAAQMDSan Jose Airport Met Data	2013-2017
Land Use Classification	urban
Wind speed =	variable
Wind direction =	variable

MEI Maximum Concentrations

Emission Years	Concentration (μg/m^3)		
	DPM	**Exhaust TOG**	**Evaporative TOG**
2024-2053	0.00012	0.0127	0.0167

681 Trimble - Montague Expressway Background Traffic - TACs & PM2.5
AERMOD Risk Modeling Parameters and Maximum Concentrations
Off-Site Maximum Residential Cancer Risk Receptor (1.5 meter receptor height)

Emissions Year	2024
Receptor Information	
Number of Receptors	1
Receptor Height =	1.5 meters above ground level
Receptor distances =	receptor at residential cancer risk MEI location

Meteorological Conditions	
BAAQMDSan Jose Airport Met Data	2013-2017
Land Use Classification	urban
Wind speed =	variable
Wind direction =	variable

MEI Maximum Concentrations

Emission Years	Concentration (μg/m^3)		
	DPM	**Exhaust TOG**	**Evaporative TOG**
2024-2053	0.00048	0.0221	0.0296

681 Trimble - River Oaks Parkway Background Traffic Maximum Cancer Risks
Off-Site Maximum Residential Cancer Risk Receptor (1.5 meter receptor height)
30-Year Residential Exposure

Cancer Risk Calculation Method

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)
10^{-6} = Conversion factor

Values

Cancer Potency Factors (mg/kg-day)$^{-1}$

TAC	CPF
DPM	1.10E+00
Vehicle TOG Exhaust	6.28E-03
Vehicle TOG Evaporative	3.70E-04

	Infant/Child			Adult
Age -->	**3rd Trimester**	**0 - <2**	**2 - <16**	**16 - 30**
Parameter				
ASF	10	10	3	1
DBR* =	361	1090	572	261
A =	1	1	1	1
EF =	350	350	350	350
ED =	0.25	2	14	14
AT =	70	70	70	70
FAH =	1.00	1.00	1.00	0.73

* 95th percentile breathing rates

Road Traffic Cancer Risk by Year - Maximum Impact Receptor Location

				Maximum - Exposure Information				Cancer Risk (per million)			
		Exposure		Age	Annual TAC Conc (ug/m3)						
Exposure		Duration		Sensitivity		Exhaust	Evaporative		Exhaust	Evaporative	
Year	Year	(years)	Age	Factor	DPM	TOG	TOG	DPM	TOG	TOG	Total
0	2024	0.25	-0.25 - 0*	10	0.0001	0.0127	0.0167	0.002	0.001	0.000	0.00
1	2024	1	1	10	0.0001	0.0127	0.0167	0.02	0.012	0.001	0.03
2	2025	1	2	10	0.0001	0.0127	0.0167	0.02	0.012	0.001	0.03
3	2026	1	3	3	0.0001	0.0127	0.0167	0.00	0.002	0.000	0.01
4	2027	1	4	3	0.0001	0.0127	0.0167	0.00	0.002	0.000	0.01
5	2028	1	5	3	0.0001	0.0127	0.0167	0.00	0.002	0.000	0.01
6	2029	1	6	3	0.0001	0.0127	0.0167	0.00	0.002	0.000	0.01
7	2030	1	7	3	0.0001	0.0127	0.0167	0.00	0.002	0.000	0.01
8	2031	1	8	3	0.0001	0.0127	0.0167	0.00	0.002	0.000	0.01
9	2032	1	9	3	0.0001	0.0127	0.0167	0.00	0.002	0.000	0.01
10	2033	1	10	3	0.0001	0.0127	0.0167	0.00	0.002	0.000	0.01
11	2034	1	11	3	0.0001	0.0127	0.0167	0.00	0.002	0.000	0.01
12	2035	1	12	3	0.0001	0.0127	0.0167	0.00	0.002	0.000	0.01
13	2036	1	13	3	0.0001	0.0127	0.0167	0.00	0.002	0.000	0.01
14	2037	1	14	3	0.0001	0.0127	0.0167	0.00	0.002	0.000	0.01
15	2038	1	15	3	0.0001	0.0127	0.0167	0.00	0.002	0.000	0.01
16	2039	1	16	3	0.0001	0.0127	0.0167	0.00	0.002	0.000	0.01
17	2040	1	17	1	0.0001	0.0127	0.0167	0.00	0.000	0.000	0.001
18	2041	1	18	1	0.0001	0.0127	0.0167	0.00	0.000	0.000	0.001
19	2042	1	19	1	0.0001	0.0127	0.0167	0.00	0.000	0.000	0.001
20	2043	1	20	1	0.0001	0.0127	0.0167	0.00	0.000	0.000	0.001
21	2044	1	21	1	0.0001	0.0127	0.0167	0.00	0.000	0.000	0.001
22	2045	1	22	1	0.0001	0.0127	0.0167	0.00	0.000	0.000	0.001
23	2046	1	23	1	0.0001	0.0127	0.0167	0.00	0.000	0.000	0.001
24	2047	1	24	1	0.0001	0.0127	0.0167	0.00	0.000	0.000	0.001
25	2048	1	25	1	0.0001	0.0127	0.0167	0.00	0.000	0.000	0.001
26	2049	1	26	1	0.0001	0.0127	0.0167	0.00	0.000	0.000	0.001
27	2050	1	27	1	0.0001	0.0127	0.0167	0.00	0.000	0.000	0.001
28	2051	1	28	1	0.0001	0.0127	0.0167	0.00	0.000	0.000	0.001
29	2052	1	29	1	0.0001	0.0127	0.0167	0.00	0.000	0.000	0.001
30	2053	1	30	1	0.0001	0.0127	0.0167	0.00	0.000	0.000	0.001
Total Increased Cancer Risk			**Total**					0.09	0.054	0.004	**0.15**

* Third trimester of pregnancy

681 Trimble - Montague Expressway Background Traffic Maximum Cancer Risks
Off-Site Maximum Residential Cancer Risk Receptor (1.5 meter receptor height)
30-Year Residential Exposure

Cancer Risk Calculation Method

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)
10^{-6} = Conversion factor

Values

Cancer Potency Factors (mg/kg-day)$^{-1}$

TAC	CPF
DPM	1.10E+00
Vehicle TOG Exhaust	6.28E-03
Vehicle TOG Evaporative	3.70E-04

	Infant/Child			Adult
Age -->	3rd Trimester	0 - <2	2 - <16	16 - 30
Parameter				
ASF	10	10	3	1
DBR* =	361	1090	572	261
A =	1	1	1	1
EF =	350	350	350	350
ED =	0.25	2	14	14
AT =	70	70	70	70
FAH =	1.00	1.00	1.00	0.73

* 95th percentile breathing rates

Road Traffic Cancer Risk by Year - Maximum Impact Receptor Location

		Maximum - Exposure Information						Cancer Risk (per million)			
		Exposure		Age	Annual TAC Conc (ug/m3)						
Exposure		Duration		Sensitivity		Exhaust	Evaporative		Exhaust	Evaporative	
Year	Year	(years)	Age	Factor	DPM	TOG	TOG	DPM	TOG	TOG	Total
0	2024	0.25	-0.25 - 0*	10	0.0005	0.0221	0.0296	0.007	0.002	0.000	0.01
1	2024	1	1	10	0.0005	0.0221	0.0296	0.08	0.021	0.002	0.10
2	2025	1	2	10	0.0005	0.0221	0.0296	0.08	0.021	0.002	0.10
3	2026	1	3	3	0.0005	0.0221	0.0296	0.01	0.003	0.000	0.02
4	2027	1	4	3	0.0005	0.0221	0.0296	0.01	0.003	0.000	0.02
5	2028	1	5	3	0.0005	0.0221	0.0296	0.01	0.003	0.000	0.02
6	2029	1	6	3	0.0005	0.0221	0.0296	0.01	0.003	0.000	0.02
7	2030	1	7	3	0.0005	0.0221	0.0296	0.01	0.003	0.000	0.02
8	2031	1	8	3	0.0005	0.0221	0.0296	0.01	0.003	0.000	0.02
9	2032	1	9	3	0.0005	0.0221	0.0296	0.01	0.003	0.000	0.02
10	2033	1	10	3	0.0005	0.0221	0.0296	0.01	0.003	0.000	0.02
11	2034	1	11	3	0.0005	0.0221	0.0296	0.01	0.003	0.000	0.02
12	2035	1	12	3	0.0005	0.0221	0.0296	0.01	0.003	0.000	0.02
13	2036	1	13	3	0.0005	0.0221	0.0296	0.01	0.003	0.000	0.02
14	2037	1	14	3	0.0005	0.0221	0.0296	0.01	0.003	0.000	0.02
15	2038	1	15	3	0.0005	0.0221	0.0296	0.01	0.003	0.000	0.02
16	2039	1	16	3	0.0005	0.0221	0.0296	0.01	0.003	0.000	0.02
17	2040	1	17	1	0.0005	0.0221	0.0296	0.00	0.000	0.000	0.002
18	2041	1	18	1	0.0005	0.0221	0.0296	0.00	0.000	0.000	0.002
19	2042	1	19	1	0.0005	0.0221	0.0296	0.00	0.000	0.000	0.002
20	2043	1	20	1	0.0005	0.0221	0.0296	0.00	0.000	0.000	0.002
21	2044	1	21	1	0.0005	0.0221	0.0296	0.00	0.000	0.000	0.002
22	2045	1	22	1	0.0005	0.0221	0.0296	0.00	0.000	0.000	0.002
23	2046	1	23	1	0.0005	0.0221	0.0296	0.00	0.000	0.000	0.002
24	2047	1	24	1	0.0005	0.0221	0.0296	0.00	0.000	0.000	0.002
25	2048	1	25	1	0.0005	0.0221	0.0296	0.00	0.000	0.000	0.002
26	2049	1	26	1	0.0005	0.0221	0.0296	0.00	0.000	0.000	0.002
27	2050	1	27	1	0.0005	0.0221	0.0296	0.00	0.000	0.000	0.002
28	2051	1	28	1	0.0005	0.0221	0.0296	0.00	0.000	0.000	0.002
29	2052	1	29	1	0.0005	0.0221	0.0296	0.00	0.000	0.000	0.002
30	2053	1	30	1	0.0005	0.0221	0.0296	0.00	0.000	0.000	0.002
Total Increased Cancer Risk			Total					0.36	0.094	0.007	**0.46**

* Third trimester of pregnancy

681 Trimble - River Oaks Parkway Background Traffic - TACs & PM2.5
AERMOD Risk Modeling Parameters and Maximum Concentrations
Off-Site Maximum Residential PM2.5 Concentration Receptor (1.5 meter receptor height)

Emissions Year	2024
Receptor Information	
Number of Receptors	1
Receptor Height =	1.5 meters above ground level
Receptor distances =	receptor at residential PM2.5 concentration MEI location
Meteorological Conditions	
BAAQMDSan Jose Airport Met Data	2013-2017
Land Use Classification	urban
Wind speed =	variable
Wind direction =	variable

MEI Maximum Concentrations

	PM2.5 Concentrations ($\mu g/m^3$)
Emission Years	**Total PM2.5**
2024-2053	0.1633

681 Trimble - Montague Expressway Background Traffic - TACs & PM2.5
AERMOD Risk Modeling Parameters and Maximum Concentrations
Off-Site Maximum Residential PM2.5 Concentration Receptor (1.5 meter receptor height)

Emissions Year	2024
Receptor Information	
Number of Receptors	1
Receptor Height =	1.5 meters above ground level
Receptor distances =	receptor at residential PM2.5 concentration MEI location
Meteorological Conditions	
BAAQMDSan Jose Airport Met Data	2013-2017
Land Use Classification	urban
Wind speed =	variable
Wind direction =	variable

MEI Maximum Concentrations

	PM2.5 Concentrations ($\mu g/m^3$)
Emission Years	**Total PM2.5**
2024-2053	0.0343

681 E Trimble/Seeley-Construction DPM/PM2.5 Modeling Information
AERMOD Risk Modeling Parameters and Maximum Concentrations
Construction Impacts - Unmitigated Emissions
On-Site Residential Receptors, Building 1, 1st Floor (1.5 meter receptor heights)

Receptor Information

Number of Receptors	61
Receptor Height =	1.5 meters
Receptor spacing =	8-meter spacing in residential areas

Meteorological Conditions

San Jose Airport BAAQMD Hourly Data	2013-2017
Land Use Classification	Urban
Wind speed =	variable
Wind direction =	variable

MEI Maximum Concentrations

Emission Period	DPM Concentration ($\mu g/m^3$)
2026 - Construction	0.05986
2027 - Construction	0.06512

681 E Trimble/Seeley-Construction DPM/PM2.5 Modeling Information
AERMOD Risk Modeling Parameters and Maximum Concentrations
Construction Impacts - Mitigated Emissions
On-Site Residential Receptors, Building 1, 1st Floor (1.5 meter receptor heights)

Receptor Information

Number of Receptors	61
Receptor Height =	1.5 meters
Receptor spacing =	8-meter spacing in residential areas

Meteorological Conditions

San Jose Airport BAAQMD Hourly Data	2013-2017
Land Use Classification	Urban
Wind speed =	variable
Wind direction =	variable

MEI Maximum Concentrations

Emission Period	DPM Concentration ($\mu g/m^3$)
2026 - Construction	0.01211
2027 - Construction	0.01171

681 E Trimble/Seeley-Construction DPM/PM2.5 Modeling Information
AERMOD Risk Modeling Parameters and Maximum Concentrations
Construction Impacts - Unmitigated Emissions
On-Site Residential Receptors, Building 1, 2nd Floor (6.1 meter receptor heights)

Receptor Information

Number of Receptors	61
Receptor Height =	6.1 meters
Receptor spacing =	8-meter spacing in residential areas

Meteorological Conditions

San Jose Airport BAAQMD Hourly Data	2013-2017
Land Use Classification	Urban
Wind speed =	variable
Wind direction =	variable

MEI Maximum Concentrations

Emission Period	DPM Concentration ($\mu g/m^3$)
2026 - Construction	0.06798
2027 - Construction	0.04983

681 E Trimble/Seeley Residential, San Jose - Construction Impacts
Maximum DPM Cancer Risk Calculations From Construction - Unmitigated
On-Site Residential Receptors, Building 1, 1st Floor (1.5 meter receptor heights)
Residential Exposure (30-year)

Cancer Risk Calculation Method

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)

10^{-6} = Conversion factor

Values

Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$

TAC	CPF
DPM	1.10E+00

	Infant/Child			Adult
Age -->	3rd Trimester	0 - <2	2 - 16	16 - 70
Parameter				
ASF	10	10	3	1
DBR* =	361	1090	572	261
A =	1	1	1	1
EF =	350	350	350	350
AT =	70	70	70	70
FAH =	1.00	1.00	1.00	0.73

* 95th percentile breathing rates for infants and 80th percentile for children and adults

Construction Cancer Risk by Year - Maximum Impact Receptor Location

				Maximum - Exposure Information			Maximum	
Exposure Year	Year	Exposure Duration (years)	Age	Age Sensitivity Factor	Annual DPM Conc. (ug/m3)	DPM Cancer Risk (per million)	Hazard Index	Total PM2.5
3rd Trimester	2026	0.25	-0.25 - 0*	10	0.0599	0.81	-	-
1	2026	1	1	10	0.0599	9.83	0.0120	**0.075**
2	2027	1	2	10	0.0651	10.70	0.0130	0.072
3	2028	1	3	3	0.0000	0.00		
4	2029	1	4	3	0.0000	0.00		
5	2030	1	5	3	0.0000	0.00		
6	2031	1	6	3	0.0000	0.00		
7	2032	1	7	3	0.0000	0.00		
8	2033	1	8	3	0.0000	0.00		
9	2034	1	9	3	0.0000	0.00		
10	2035	1	10	3	0.0000	0.00		
11	2036	1	11	3	0.0000	0.00		
12	2037	1	12	3	0.0000	0.00		
13	2038	1	13	3	0.0000	0.00		
14	2039	1	14	3	0.0000	0.00		
15	2040	1	15	3	0.0000	0.00		
16	2041	1	16	3	0.0000	0.00		
17	2042	1	17	1	0.0000	0.000		
18	2043	1	18	1	0.0000	0.000		
19	2044	1	19	1	0.0000	0.000		
20	2045	1	20	1	0.0000	0.000		
21	2046	1	21	1	0.0000	0.000		
22	2047	1	22	1	0.0000	0.000		
23	2048	1	23	1	0.0000	0.000		
24	2049	1	24	1	0.0000	0.000		
25	2050	1	25	1	0.0000	0.000		
26	2051	1	26	1	0.0000	0.000		
27	2052	1	27	1	0.0000	0.000		
28	2053	1	28	1	0.0000	0.000		
29	2054	1	29	1	0.0000	0.000		
30	2055	1	30	1	0.0000	0.000		
Total Increased Cancer Risk						**21.34**		

* Third trimester of pregnancy

681 E Trimble/Seeley Residential, San Jose - Construction Impacts
Maximum DPM Cancer Risk Calculations From Construction - Mitigated
On-Site Residential Receptors, Building 1, 1st Floor (1.5 meter receptor heights)
Residential Exposure (30-year)

Cancer Risk Calculation Method

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)

10^{-6} = Conversion factor

Values

Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$

TAC	CPF
DPM	1.10E+00

	Infant/Child			Adult
Age -->	3rd Trimester	0 - <2	2 - 16	16 - 70
Parameter				
ASF	10	10	3	1
DBR* =	361	1090	572	261
A =	1	1	1	1
EF =	350	350	350	350
AT =	70	70	70	70
FAH =	1.00	1.00	1.00	0.73

* 95th percentile breathing rates for infants and 80th percentile for children and adults

Construction Cancer Risk by Year - Maximum Impact Receptor Location

				Maximum - Exposure Information			Maximum	
Exposure Year	Year	Exposure Duration (years)	Age	Age Sensitivity Factor	Annual DPM Conc. (ug/m3)	DPM Cancer Risk (per million)	Hazard Index	Total PM2.5
3rd Trimester	2026	0.25	-0.25 - 0*	10	0.0121	0.16	-	-
1	2026	1	1	10	0.0121	1.99	0.0024	**0.025**
2	2027	1	2	10	0.0117	1.92	0.0023	0.018
3	2028	1	3	3	0.0000	0.00		
4	2029	1	4	3	0.0000	0.00		
5	2030	1	5	3	0.0000	0.00		
6	2031	1	6	3	0.0000	0.00		
7	2032	1	7	3	0.0000	0.00		
8	2033	1	8	3	0.0000	0.00		
9	2034	1	9	3	0.0000	0.00		
10	2035	1	10	3	0.0000	0.00		
11	2036	1	11	3	0.0000	0.00		
12	2037	1	12	3	0.0000	0.00		
13	2038	1	13	3	0.0000	0.00		
14	2039	1	14	3	0.0000	0.00		
15	2040	1	15	3	0.0000	0.00		
16	2041	1	16	3	0.0000	0.00		
17	2042	1	17	1	0.0000	0.000		
18	2043	1	18	1	0.0000	0.000		
19	2044	1	19	1	0.0000	0.000		
20	2045	1	20	1	0.0000	0.000		
21	2046	1	21	1	0.0000	0.000		
22	2047	1	22	1	0.0000	0.000		
23	2048	1	23	1	0.0000	0.000		
24	2049	1	24	1	0.0000	0.000		
25	2050	1	25	1	0.0000	0.000		
26	2051	1	26	1	0.0000	0.000		
27	2052	1	27	1	0.0000	0.000		
28	2053	1	28	1	0.0000	0.000		
29	2054	1	29	1	0.0000	0.000		
30	2055	1	30	1	0.0000	0.000		
Total Increased Cancer Risk						**4.08**		

* Third trimester of pregnancy

681 E Trimble/Seeley Residential, San Jose - Construction Impacts
Maximum DPM Cancer Risk Calculations From Construction - Unmitigated
On-Site Residential Receptors, Building 1, 2nd Floor (6.1 meter receptor heights)
Residential Exposure (30-year)

Cancer Risk Calculation Method

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)

10^{-6} = Conversion factor

Values

Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$

TAC	CPF
DPM	1.10E+00

	Infant/Child			Adult
Age -->	**3rd Trimester**	**0 - <2**	**2 - 16**	**16 - 70**
Parameter				
ASF	10	10	3	1
DBR* =	361	1090	572	261
A =	1	1	1	1
EF =	350	350	350	350
AT =	70	70	70	70
FAH =	1.00	1.00	1.00	0.73

* 95th percentile breathing rates for infants and 80th percentile for children and adults

Construction Cancer Risk by Year - Maximum Impact Receptor Location

				Maximum - Exposure Information			Maximum	
Exposure Year	**Year**	**Exposure Duration (years)**	**Age**	**Age Sensitivity Factor**	**Annual DPM Conc. (ug/m3)**	**DPM Cancer Risk (per million)**	**Hazard Index**	**Total PM2.5**
3rd Trimester	2026	0.25	-0.25 - 0*	10	0.0680	0.92	-	-
1	2026	1	1	10	0.0680	11.17	0.0136	**0.075**
2	2027	1	2	10	0.0498	8.18	0.0100	0.058
3	2028	1	3	3	0.0000	0.00		
4	2029	1	4	3	0.0000	0.00		
5	2030	1	5	3	0.0000	0.00		
6	2031	1	6	3	0.0000	0.00		
7	2032	1	7	3	0.0000	0.00		
8	2033	1	8	3	0.0000	0.00		
9	2034	1	9	3	0.0000	0.00		
10	2035	1	10	3	0.0000	0.00		
11	2036	1	11	3	0.0000	0.00		
12	2037	1	12	3	0.0000	0.00		
13	2038	1	13	3	0.0000	0.00		
14	2039	1	14	3	0.0000	0.00		
15	2040	1	15	3	0.0000	0.00		
16	2041	1	16	3	0.0000	0.00		
17	2042	1	17	1	0.0000	0.000		
18	2043	1	18	1	0.0000	0.000		
19	2044	1	19	1	0.0000	0.000		
20	2045	1	20	1	0.0000	0.000		
21	2046	1	21	1	0.0000	0.000		
22	2047	1	22	1	0.0000	0.000		
23	2048	1	23	1	0.0000	0.000		
24	2049	1	24	1	0.0000	0.000		
25	2050	1	25	1	0.0000	0.000		
26	2051	1	26	1	0.0000	0.000		
27	2052	1	27	1	0.0000	0.000		
28	2053	1	28	1	0.0000	0.000		
29	2054	1	29	1	0.0000	0.000		
30	2055	1	30	1	0.0000	0.000		
Total Increased Cancer Risk						**20.27**		

* Third trimester of pregnancy

681 Trimble - River Oaks Parkway Background Traffic - TACs & PM2.5
AERMOD Risk Modeling Parameters and Maximum Concentrations
On-Site Maximum Residential Cancer Risk Receptor (1.5 meter receptor height)

Emissions Year	2024
Receptor Information	
Number of Receptors	1
Receptor Height =	1.5 meters above ground level
Receptor distances =	receptor at residential cancer risk MEI location
Meteorological Conditions	
BAAQMDSan Jose Airport Met Data	2013-2017
Land Use Classification	urban
Wind speed =	variable
Wind direction =	variable

MEI Maximum Concentrations

	Concentration (µg/m^3)		
Emission Years	**DPM**	**Exhaust TOG**	**Evaporative TOG**
2028-2053	0.00007	0.0085	0.0111

681 Trimble - Montague Expressway Background Traffic - TACs & PM2.5
AERMOD Risk Modeling Parameters and Maximum Concentrations
On-Site Maximum Residential Cancer Risk Receptor (1.5 meter receptor height)

Emissions Year	2024
Receptor Information	
Number of Receptors	1
Receptor Height =	1.5 meters above ground level
Receptor distances =	receptor at residential cancer risk MEI location
Meteorological Conditions	
BAAQMDSan Jose Airport Met Data	2013-2017
Land Use Classification	urban
Wind speed =	variable
Wind direction =	variable

MEI Maximum Concentrations

	Concentration (µg/m^3)		
Emission Years	**DPM**	**Exhaust TOG**	**Evaporative TOG**
2028-2053	0.00143	0.0703	0.0941

681 Trimble - River Oaks Parkway Background Traffic Maximum Cancer Risks
On-Site Maximum Residential Cancer Risk Receptor (1.5 meter receptor height)
30-Year Residential Exposure

Cancer Risk Calculation Method

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)
10^{-6} = Conversion factor

Values

Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$

TAC	CPF
DPM	1.10E+00
Vehicle TOG Exhaust	6.28E-03
Vehicle TOG Evaporative	3.70E-04

	Infant/Child			Adult
Age -->	3rd Trimester	0 - <2	2 - <16	16 - 30
Parameter				
ASF	10	10	3	1
DBR* =	361	1090	572	261
A =	1	1	1	1
EF =	350	350	350	350
ED =	0.25	2	14	14
AT =	70	70	70	70
FAH =	1.00	1.00	1.00	0.73

* 95th percentile breathing rates

Road Traffic Cancer Risk by Year - Maximum Impact Receptor Location

				Maximum - Exposure Information				Cancer Risk (per million)			
		Exposure		Age	Annual TAC Conc (ug/m3)						
Exposure		Duration		Sensitivity		Exhaust	Evaporative		Exhaust	Evaporative	
Year	Year	(years)	Age	Factor	DPM	TOG	TOG	DPM	TOG	TOG	Total
0	2024	0.25	-0.25 - 0*	10	0.00000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
1	2024	1	1	10	0.00000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2	2025	1	2	10	0.00000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
3	2026	1	3	3	0.00000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
4	2027	1	4	3	0.00000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5	2028	1	5	3	0.00007	0.0085	0.0111	0.0018	0.0013	0.0001	0.0032
6	2029	1	6	3	0.00007	0.0085	0.0111	0.0018	0.0013	0.0001	0.0032
7	2030	1	7	3	0.00007	0.0085	0.0111	0.0018	0.0013	0.0001	0.0032
8	2031	1	8	3	0.00007	0.0085	0.0111	0.0018	0.0013	0.0001	0.0032
9	2032	1	9	3	0.00007	0.0085	0.0111	0.0018	0.0013	0.0001	0.0032
10	2033	1	10	3	0.00007	0.0085	0.0111	0.0018	0.0013	0.0001	0.0032
11	2034	1	11	3	0.00007	0.0085	0.0111	0.0018	0.0013	0.0001	0.0032
12	2035	1	12	3	0.00007	0.0085	0.0111	0.0018	0.0013	0.0001	0.0032
13	2036	1	13	3	0.00007	0.0085	0.0111	0.0018	0.0013	0.0001	0.0032
14	2037	1	14	3	0.00007	0.0085	0.0111	0.0018	0.0013	0.0001	0.0032
15	2038	1	15	3	0.00007	0.0085	0.0111	0.0018	0.0013	0.0001	0.0032
16	2039	1	16	3	0.00007	0.0085	0.0111	0.0018	0.0013	0.0001	0.0032
17	2040	1	17	1	0.00007	0.0085	0.0111	0.0002	0.0001	0.0000	0.0004
18	2041	1	18	1	0.00007	0.0085	0.0111	0.0002	0.0001	0.0000	0.0004
19	2042	1	19	1	0.00007	0.0085	0.0111	0.0002	0.0001	0.0000	0.0004
20	2043	1	20	1	0.00007	0.0085	0.0111	0.0002	0.0001	0.0000	0.0004
21	2044	1	21	1	0.00007	0.0085	0.0111	0.0002	0.0001	0.0000	0.0004
22	2045	1	22	1	0.00007	0.0085	0.0111	0.0002	0.0001	0.0000	0.0004
23	2046	1	23	1	0.00007	0.0085	0.0111	0.0002	0.0001	0.0000	0.0004
24	2047	1	24	1	0.00007	0.0085	0.0111	0.0002	0.0001	0.0000	0.0004
25	2048	1	25	1	0.00007	0.0085	0.0111	0.0002	0.0001	0.0000	0.0004
26	2049	1	26	1	0.00007	0.0085	0.0111	0.0002	0.0001	0.0000	0.0004
27	2050	1	27	1	0.00007	0.0085	0.0111	0.0002	0.0001	0.0000	0.0004
28	2051	1	28	1	0.00007	0.0085	0.0111	0.0002	0.0001	0.0000	0.0004
29	2052	1	29	1	0.00007	0.0085	0.0111	0.0002	0.0001	0.0000	0.0004
30	2053	1	30	1	0.00007	0.0085	0.0111	0.0002	0.0001	0.0000	0.0004
Total Increased Cancer Risk			**Total**					0.02	0.017	0.001	**0.04**

* Third trimester of pregnancy

681 Trimble - Montague Expressway Background Traffic Maximum Cancer Risks
On-Site Maximum Residential Cancer Risk Receptor (1.5 meter receptor height)
30-Year Residential Exposure

Cancer Risk Calculation Method

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)
10^{-6} = Conversion factor

Values

Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$

TAC	CPF
DPM	1.10E+00
Vehicle TOG Exhaust	6.28E-03
Vehicle TOG Evaporative	3.70E-04

	Infant/Child			Adult
Age -->	3rd Trimester	0 - <2	2 - <16	16 - 30
Parameter				
ASF	10	10	3	1
DBR* =	361	1090	572	261
A =	1	1	1	1
EF =	350	350	350	350
ED =	0.25	2	14	14
AT =	70	70	70	70
FAH =	1.00	1.00	1.00	0.73

* 95th percentile breathing rates

Road Traffic Cancer Risk by Year - Maximum Impact Receptor Location

				Maximum - Exposure Information				Cancer Risk (per million)			
		Exposure		Age	Annual TAC Conc (ug/m3)						
Exposure		Duration		Sensitivity		Exhaust	Evaporative		Exhaust	Evaporative	
Year	Year	(years)	Age	Factor	DPM	TOG	TOG	DPM	TOG	TOG	Total
0	2024	0.25	-0.25 - 0*	10	0.00000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
1	2024	1	1	10	0.00000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2	2025	1	2	10	0.00000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
3	2026	1	3	3	0.00000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
4	2027	1	4	3	0.00000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5	2028	1	5	3	0.00143	0.0703	0.0941	0.0370	0.0104	0.0008	0.0482
6	2029	1	6	3	0.00143	0.0703	0.0941	0.0370	0.0104	0.0008	0.0482
7	2030	1	7	3	0.00143	0.0703	0.0941	0.0370	0.0104	0.0008	0.0482
8	2031	1	8	3	0.00143	0.0703	0.0941	0.0370	0.0104	0.0008	0.0482
9	2032	1	9	3	0.00143	0.0703	0.0941	0.0370	0.0104	0.0008	0.0482
10	2033	1	10	3	0.00143	0.0703	0.0941	0.0370	0.0104	0.0008	0.0482
11	2034	1	11	3	0.00143	0.0703	0.0941	0.0370	0.0104	0.0008	0.0482
12	2035	1	12	3	0.00143	0.0703	0.0941	0.0370	0.0104	0.0008	0.0482
13	2036	1	13	3	0.00143	0.0703	0.0941	0.0370	0.0104	0.0008	0.0482
14	2037	1	14	3	0.00143	0.0703	0.0941	0.0370	0.0104	0.0008	0.0482
15	2038	1	15	3	0.00143	0.0703	0.0941	0.0370	0.0104	0.0008	0.0482
16	2039	1	16	3	0.00143	0.0703	0.0941	0.0370	0.0104	0.0008	0.0482
17	2040	1	17	1	0.00143	0.0703	0.0941	0.0041	0.0012	0.0001	0.0053
18	2041	1	18	1	0.00143	0.0703	0.0941	0.0041	0.0012	0.0001	0.0053
19	2042	1	19	1	0.00143	0.0703	0.0941	0.0041	0.0012	0.0001	0.0053
20	2043	1	20	1	0.00143	0.0703	0.0941	0.0041	0.0012	0.0001	0.0053
21	2044	1	21	1	0.00143	0.0703	0.0941	0.0041	0.0012	0.0001	0.0053
22	2045	1	22	1	0.00143	0.0703	0.0941	0.0041	0.0012	0.0001	0.0053
23	2046	1	23	1	0.00143	0.0703	0.0941	0.0041	0.0012	0.0001	0.0053
24	2047	1	24	1	0.00143	0.0703	0.0941	0.0041	0.0012	0.0001	0.0053
25	2048	1	25	1	0.00143	0.0703	0.0941	0.0041	0.0012	0.0001	0.0053
26	2049	1	26	1	0.00143	0.0703	0.0941	0.0041	0.0012	0.0001	0.0053
27	2050	1	27	1	0.00143	0.0703	0.0941	0.0041	0.0012	0.0001	0.0053
28	2051	1	28	1	0.00143	0.0703	0.0941	0.0041	0.0012	0.0001	0.0053
29	2052	1	29	1	0.00143	0.0703	0.0941	0.0041	0.0012	0.0001	0.0053
30	2053	1	30	1	0.00143	0.0703	0.0941	0.0041	0.0012	0.0001	0.0053
Total Increased Cancer Risk			Total					0.50	0.141	0.011	**0.65**

* Third trimester of pregnancy

681 Trimble - River Oaks Parkway Background Traffic - TACs & PM2.5
AERMOD Risk Modeling Parameters and Maximum Concentrations
On-Site Maximum Residential PM2.5 Concentration Receptor (1.5 meter receptor height)

Emissions Year	2024
Receptor Information	
Number of Receptors	1
Receptor Height =	1.5 meters above ground level
Receptor distances =	receptor at residential PM2.5 concentration MEI location
Meteorological Conditions	
BAAQMDSan Jose Airport Met Data	2013-2017
Land Use Classification	urban
Wind speed =	variable
Wind direction =	variable

MEI Maximum Concentrations

	PM2.5 Concentrations (μg/m^3)
Emission Years	**Total PM2.5**
2028-2053	0.0438

681 Trimble - Montague Expressway Background Traffic - TACs & PM2.5
AERMOD Risk Modeling Parameters and Maximum Concentrations
On-Site Maximum Residential PM2.5 Concentration Receptor (1.5 meter receptor height)

Emissions Year	2024
Receptor Information	
Number of Receptors	1
Receptor Height =	1.5 meters above ground level
Receptor distances =	receptor at residential PM2.5 concentration MEI location
Meteorological Conditions	
BAAQMDSan Jose Airport Met Data	2013-2017
Land Use Classification	urban
Wind speed =	variable
Wind direction =	variable

MEI Maximum Concentrations

	PM2.5 Concentrations (μg/m^3)
Emission Years	**Total PM2.5**
2028-2053	0.0822

Health Risks at On-Site Receptors From Generator Operation

681 E. Trimble, San Jose, CA - AERMOD Modeling Parameters
Project 670 Horsepower Diesel Emergency Generator
On-Site Residential Receptors - Project MEI Receptor (1.5 meter Receptor Height)

DPM Emission Rates				
	Annual	**DPM Emissions**		
	Operation	**Daily**	**Annual**	**Annual**
Source Type	**(hr)**	**(lb/day)**	**(lb/yr)**	**(tons/yr)**
Generator	50	0.0221	8.08	4.04E-03

Modeling Information	
Model:	AERMOD
Source	Diesel Engine - 670 hp emergency generator
Source Type	Point
Receptor Spacing	at on-site residences
Receptor Height	various
Meteorological Data	2013-2017 BAAQMD San Josed Airport data
Point Source Stack Parameters	
Stack Height** (ft)	12
Stack Diameter** (ft)	0.60
Stack Exit Velocity** (ft/sec)	149
Exhaust Temperature** (F)	872
Annual Emission Rate (lb/year)	8.08
Hourly Emission Rate (lb/hr)	9.22E-04
Hourly Emission Rate (g/sec)	1.16E-04

** BAAQMD default generator parameters

681 E. Trimble, San Jose, CA - DPM Cancer Risks
Project 670 Horsepower Diesel Emergency Generator
On-Site Residential Receptors - Project MEI Receptor (1.5 meter Receptor Height)
30-Year Exposure

Cancer Risk Calculation Method

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)
10^{-6} = Conversion factor

Values

Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$

TAC	CPF
DPM	1.10E+00

	Infant/Child			Adult
Age -->	**3rd Trimester**	**0 - 2**	**2 - 16**	**16 +**
Parameter				
ASF	10	10	3	1
DBR* =	361	1090	572	261
A =	1	1	1	1
EF =	350	350	350	350
ED =	0.25	2	14	14
AT =	70	70	70	70
FAH =	1.00	1.00	1.00	0.73

* 95th percentile breathing rates for infants and 80th percentile for children and adults

On-Site Project MEI Cancer Risk Receptor

Exposure Duration (years)	Age	Age Sensitivity Factor	DPM Annual Conc (ug/m3)	DPM Cancer Risk (per million)
0.25	-0.25 - 0*	10	0.00070	0.01
2	0 - 2	10	0.00070	0.23
12	2 - 16	3	0.00070	0.22
14	16+_	1	0.00070	0.03
Total Increased Cancer Risk				**0.48**

* Third trimester of pregnancy

681 E. Trimble, San Jose, CA - DPM Cancer Risks
Project 670 Horsepower Diesel Emergency Generator
On-Site Residential Receptors - 1st Residential Floor Level Receptor Heights
30-Year Exposure

Cancer Risk Calculation Method

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)
10^{-6} = Conversion factor

Values

Cancer Potency Factors (mg/kg-day)$^{-1}$

TAC	CPF
DPM	1.10E+00

	Infant/Child			Adult
Age --> Parameter	3rd Trimester	0 - 2	2 - 16	16 +
ASF	10	10	3	1
DBR* =	361	1090	572	261
A =	1	1	1	1
EF =	350	350	350	350
ED =	0.25	2	14	14
AT =	70	70	70	70
FAH =	1.00	1.00	1.00	0.73

* 95th percentile breathing rates for infants and 80th percentile for children and adults

On-Site Maximum Generator Cancer Risk Receptor

Exposure Duration (years)	Age	Age Sensitivity Factor	DPM Annual Conc (ug/m3)	DPM Cancer Risk (per million)
0.25	-0.25 - 0*	10	0.00758	0.10
2	0 - 2	10	0.00758	2.49
12	2 - 16	3	0.00758	2.35
14	16+_	1	0.00758	0.30
Total Increased Cancer Risk				**5.25**

* Third trimester of pregnancy

681 E. Trimble, San Jose, CA - DPM Cancer Risks
Project 670 Horsepower Diesel Emergency Generator
On-Site Residential Receptors - 2nd Residential Floor Level Receptor Heights
30-Year Exposure

Cancer Risk Calculation Method

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)
10^{-6} = Conversion factor

Values

Cancer Potency Factors (mg/kg-day)$^{-1}$

TAC	CPF
DPM	1.10E+00

	Infant/Child			Adult
Age -->	3rd Trimester	0 - 2	2 - 16	16 +
Parameter				
ASF	10	10	3	1
DBR* =	361	1090	572	261
A =	1	1	1	1
EF =	350	350	350	350
ED =	0.25	2	14	14
AT =	70	70	70	70
FAH =	1.00	1.00	1.00	0.73

* 95th percentile breathing rates for infants and 80th percentile for children and adults

On-Site Maximum Generator Cancer Risk Receptor

Exposure Duration (years)	Age	Age Sensitivity Factor	DPM Annual Conc (ug/m3)	DPM Cancer Risk (per million)
0.25	-0.25 - 0*	10	0.01821	0.25
2	0 - 2	10	0.01821	5.98
12	2 - 16	3	0.01821	5.65
14	16+_	1	0.01821	0.73
Total Increased Cancer Risk				**12.61**

* Third trimester of pregnancy

681 E. Trimble, San Jose, CA - DPM Cancer Risks
Project 670 Horsepower Diesel Emergency Generator
On-Site Residential Receptors - 3rd Residential Floor Level Receptor Heights
30-Year Exposure at On-Site Generator Cancer Risk MEI

Cancer Risk Calculation Method

Cancer Risk (per million) = CPF x Inhalation Dose x ASF x ED/AT x FAH x 1.0E6

Where: CPF = Cancer potency factor $(mg/kg\text{-}day)^{-1}$
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (years)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

Inhalation Dose = C_{air} x DBR x A x (EF/365) x 10^{-6}

Where: C_{air} = concentration in air ($\mu g/m^3$)
DBR = daily breathing rate (L/kg body weight-day)
A = Inhalation absorption factor
EF = Exposure frequency (days/year)
10^{-6} = Conversion factor

Values

Cancer Potency Factors $(mg/kg\text{-}day)^{-1}$

TAC	CPF
DPM	1.10E+00

	Infant/Child			Adult
Age -->	3rd Trimester	0 - 2	2 - 16	16 +
Parameter				
ASF	10	10	3	1
DBR* =	361	1090	572	261
A =	1	1	1	1
EF =	350	350	350	350
ED =	0.25	2	14	14
AT =	70	70	70	70
FAH =	1.00	1.00	1.00	0.73

* 95th percentile breathing rates for infants and 80th percentile for children and adults

On-Site Maximum Generator Cancer Risk Receptor

Exposure Duration (years)	Age	Age Sensitivity Factor	DPM Annual Conc (ug/m3)	DPM Cancer Risk (per million)
0.25	-0.25 - 0*	10	0.02192	0.30
2	0 - 2	10	0.02192	7.20
12	2 - 16	3	0.02192	6.80
14	16+_	1	0.02192	0.88
Total Increased Cancer Risk				**15.18**

* Third trimester of pregnancy

GENERATOR EMISSION CALCULATIONS

Operating Hours Per Year (hr/yr)	50	
From Manufacturer's Data		
Load Factor (from CalEEMod)	0.73	
Brake Horsepower of Engine (HP)	670	(500 Kw Generator)

From CARB/EPA Certified Data Pollutant	Emission Factor (g/hp-hr)	Annual Emissions (lb/yr)	Annual Emissions (TPY)	Max. Daily (lb/day)	Avg Daily (lb/day)
ROG	1.02	54.92	0.03	36.11	0.15
NOx	2.85	153.52	0.08	100.94	0.42
PM10	0.15	8.08	0.004	5.31	0.02
PM2.5	0.15	8.08	0.004	5.31	0.02
PM10 (mitigated with DPF or Tier 4)	0.02	1.21	0.001	0.80	0.00
PM2.5 (mitigated with DPF or Tier 4	0.02	1.21	0.001	0.80	0.00

Table G-40. Emergency Generator and Fire Pump Emission Factors

Equipment	Fuel	Low HP	High HP	Unit of Emission Factor	TOG	ROG	CO	NOX	SO2	PM10	PM2.5	CO2	CH4	N2O
Emergency Generator	Diesel	0	11	g/bhp-hr.	1.120	1.020	5.970	5.317	0.005	0.597	0.597	521.640	0.021	0.004
Emergency Generator	Diesel	11	25	g/bhp-hr.	1.120	1.020	4.925	5.317	0.005	0.597	0.597	521.640	0.021	0.004
Emergency Generator	Diesel	25	50	g/bhp-hr.	1.120	1.020	4.104	5.317	0.005	0.448	0.448	521.640	0.021	0.004
Emergency Generator	Diesel	50	75	g/bhp-hr.	1.120	1.020	3.700	3.325	0.005	0.150	0.150	521.640	0.021	0.004
Emergency Generator	Diesel	75	100	g/bhp-hr.	1.120	1.020	3.700	3.325	0.005	0.150	0.150	521.640	0.021	0.004
Emergency Generator	Diesel	100	175	g/bhp-hr.	1.120	1.020	3.700	2.850	0.005	0.150	0.150	521.640	0.021	0.004
Emergency Generator	Diesel	175	300	g/bhp-hr.	1.120	1.020	2.600	2.850	0.005	0.150	0.150	521.640	0.021	0.004
Emergency Generator	Diesel	300	600	g/bhp-hr.	1.120	1.020	2.600	2.850	0.005	0.150	0.150	521.640	0.021	0.004
Emergency Generator	Diesel	600	750	g/bhp-hr.	1.120	1.020	2.600	2.850	0.005	0.150	0.150	521.640	0.021	0.004
Emergency Generator	Diesel	750	9999	g/bhp-hr.	1.120	1.020	2.600	4.560	0.005	0.150	0.150	521.640	0.021	0.004
Emergency Generator	CNG	0	500	g/bhp-hr.	1.137	5.467	14.239	0.526	0.002	0.030	0.030	349.272	0.730	0.000
Emergency Generator	CNG	500	9999	g/bhp-hr.	1.137	5.467	14.239	0.421	0.002	0.030	0.030	349.272	0.730	0.000
Fire Pump	Diesel	0	11	g/bhp-hr.	1.120	1.020	5.970	5.317	0.005	0.597	0.597	521.640	0.021	0.004
Fire Pump	Diesel	11	25	g/bhp-hr.	1.120	1.020	4.925	5.317	0.005	0.597	0.597	521.640	0.021	0.004
Fire Pump	Diesel	25	50	g/bhp-hr.	1.120	1.020	4.104	5.317	0.005	0.448	0.448	521.640	0.021	0.004
Fire Pump	Diesel	50	75	g/bhp-hr.	1.120	1.020	3.700	3.325	0.005	0.150	0.150	521.640	0.021	0.004
Fire Pump	Diesel	75	100	g/bhp-hr.	1.120	1.020	3.700	3.325	0.005	0.150	0.150	521.640	0.021	0.004
Fire Pump	Diesel	100	175	g/bhp-hr.	1.120	1.020	3.700	2.850	0.005	0.150	0.150	521.640	0.021	0.004
Fire Pump	Diesel	175	300	g/bhp-hr.	1.120	1.020	2.600	2.850	0.005	0.150	0.150	521.640	0.021	0.004
Fire Pump	Diesel	300	600	g/bhp-hr.	1.120	1.020	2.600	2.850	0.005	0.150	0.150	521.640	0.021	0.004
Fire Pump	Diesel	600	750	g/bhp-hr.	1.120	1.020	2.600	2.850	0.005	0.150	0.150	521.640	0.021	0.004
Fire Pump	Diesel	750	9999	g/bhp-hr.	1.120	1.020	2.600	4.560	0.005	0.150	0.150	521.640	0.021	0.004

Sources: See below.

Pollutant	Emission Factor Source and Assumptions for Diesel Emergency Generators
TOG	AP42 Table 3.3-1
ROG	AP42 Table 3.3-1 and assumes ROG accounts for 91% of TOG
CO	CCR 2423 for engines < 50 hp, CARB ATCM Final Regulation for engines >= 50 hp
NOx	CCR 2423 for engines < 50 hp, CARB ATCM Final Regulation for engines >= 50 hpassumes NOx accounts for 95% of (NMHC+NOx)
SO2	Based on diesel fuel sulfur content 15 ppmw, diesel heat value 19300 BTU/lb, Brake specific fuel consumption (BSFC) of 7000 BTU/hp-hr.
PM10	CCR 2423 for engines < 50 hp, CARB ATCM Final Regulation for engines >= 50 hp
PM2.5	CCR 2423 for engines < 50 hp, CARB ATCM Final Regulation for engines >= 50 hp,assumes all PM10 is PM2.5
CO2	AP42 Table 3.3-1
CH4	AP42 Table 3.4-1; U.S. Environmental Protection Agency (USEPA). 2020. Emission Factors for Greenhouse Gas Inventories. Available: https://www.epa.gov/sites/default/files/2020-04/documents/ghg-emission-factors-hub.pdf. Accessed: August 18, 2021
N2O	AP42 Table 3.4-1

Pollutant	Emission Factor Source and Assumptions for Diesel Fire Pumps
TOG	AP42 Table 3.3-1
ROG	AP42 Table 3.3-1 and assumes ROG accounts for 91% of TOG
CO	40 CFR 60.4202 for engines < 50 hp, CARB ATCM Final Regulation for engines >= 50 hp
NOx	40 CFR 60.4202 for engines < 50 hp, CARB ATCM Final Regulation for engines >= 50 hp, assumes NOx accounts for 95% of (NMHC+NOx)
SO2	Based on diesel fuel sulfur content 15 ppmw, diesel heat value 19,300 BTU/lb, Brake specific fuel consumption (BSFC) of 7,000 BTU/hp-hr.
PM10	40 CFR 60.4202 for engines < 50 hp, CARB ATCM Final Regulation for engines >= 50 hp
PM2.5	40 CFR 60.4202 for engines < 50 hp, CARB ATCM Final Regulation for engines >= 50 hp, assumes all PM10 is PM2.5
CO2	AP42 Table 3.3-1
CH4	AP42 Table 3.4-1; U.S. Environmental Protection Agency (USEPA). 2020. Emission Factors for Greenhouse Gas Inventories. Available: https://www.epa.gov/sites/default/files/2020-04/documents/ghg-emission-factors-hub.pdf. Accessed: August 18, 2021
N2O	AP42 Table 3.4-1

Pollutant	Emission Factor Source and Assumptions for Natural Gas Emergency Generators
TOG	AP42 Table 3.2-3
ROG	South Coast AQMD Rule 1110.2
CO	South Coast AQMD Rule 1110.2
NOx	South Coast AQMD Rule 1110.2
SO2	AP42 Table 3.2-3, assumes 100% conversion of fuel sulfur to SO2 and sulfur content of 2,000 gr/106 scf
PM10	AP42 Table 3.2-3
PM2.5	AP42 Table 3.2-3
CO2	AP42 Table 3.2-3
CH4	AP42 Table 3.2-3
N2O	No data available