

Appendix B

Air Quality/GHG Assessment

Ravenswood/Four Corners Specific Plan Update SEIR

RAVENSWOOD/4 CORNERS TOD SPECIFIC PLAN UPDATE AIR QUALITY & GREENHOUSE GAS ASSESSMENT

East Palo Alto, California

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Prepared for:

**Amber Sharpe
Project Manager
David J. Powers & Associates, Inc.
1871 The Alameda, Suite 200
San José, CA 95126**

Prepared by:

**James A. Reyff
Casey Divine
Jordyn Bauer**

ILLINGWORTH & RODKIN, INC.
//// Acoustics • Air Quality ///

429 East Cotati Avenue
Cotati, CA 94931
(707) 794-0400

I&R Project: #22-111

INTRODUCTION

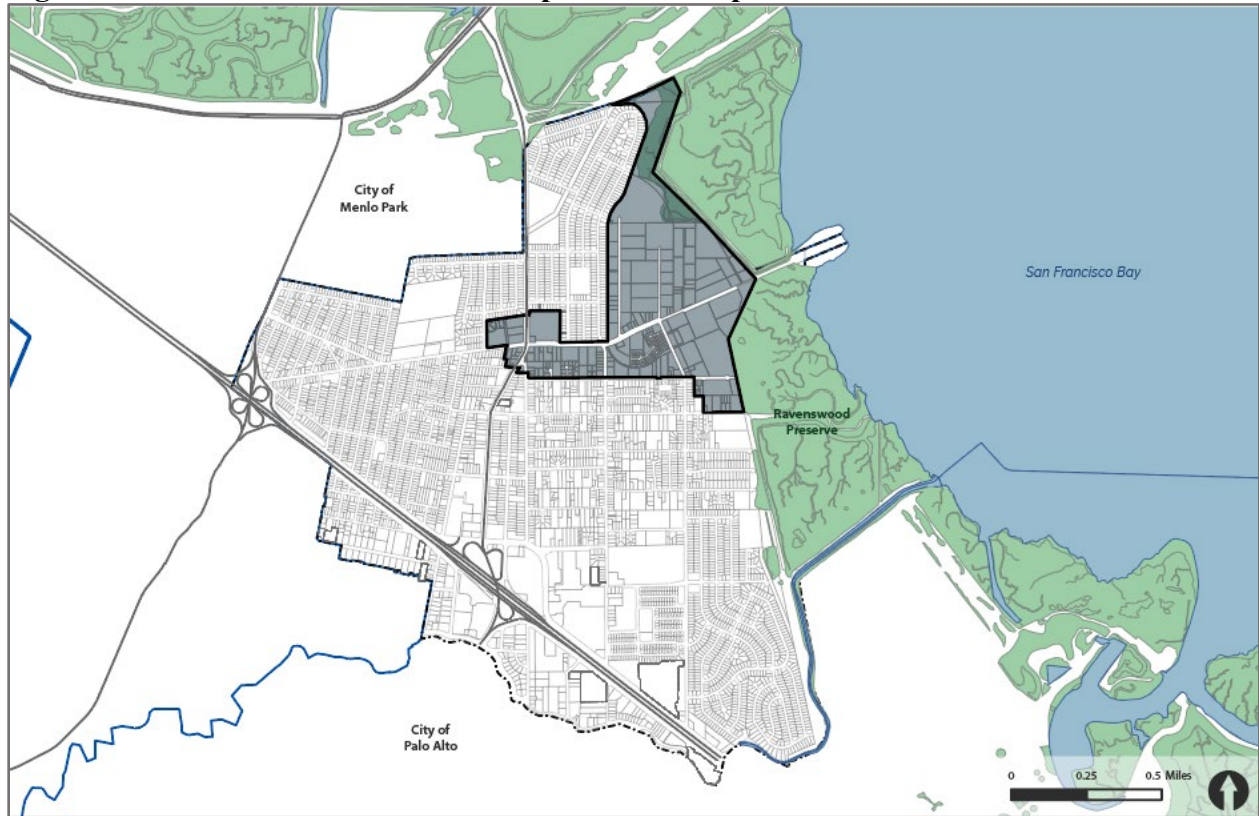
The purpose of this report is to address air quality, health risk, and greenhouse gas (GHG) impacts associated with buildout of the proposed mixed-use Ravenswood/4 Corners Transit-Oriented Development (TOD) Specific Plan Update (SPU) located in East Palo Alto, California. The air quality impacts from this Ravenswood SPU would be associated with demolition of the existing land uses, construction of the new buildings and infrastructure, and operation of the project. Air pollutants associated with construction are addressed qualitatively since construction details are not known at the level necessary to predict meaningful impacts. Impacts from the operation of the new buildings and the traffic they would generate were predicted using appropriate emissions models. In addition, the potential project health risk impacts from traffic increases were predicted. The impact of existing toxic air contaminant (TAC) sources affecting the proposed sensitive receptors that could be included in the Ravenswood SPU were also evaluated. All analyses were conducted following guidance provided by the Bay Area Air Quality Management District (BAAQMD).¹

BACKGROUND

The City of East Palo Alto adopted the existing Ravenswood Specific Plan in 2013, which allows for development of up to 1.27 million square feet (sf) of office uses, 351,820-sf of industrial or research and development (R&D) uses, 112,400-sf of retail uses, 61,000-sf of civic/community uses, and 835 housing units (comprised of 816 multi-family and 19 single-family units). The approximately 207-acre Ravenswood SPU area is located in the northeastern area of the City of East Palo Alto. The plan area is bounded by the City limits and the Union Pacific Railroad (UPRR) tracks to the north, the western edge of the UPRR easement along the back of Illinois Street to the west, Weeks Street or Runnymede Street to the south, and the Ravenswood Open Space Preserve and Palo Alto Baylands Nature Preserve to the east. A regional map and vicinity map of the Specific Plan area are shown in Figure 1. Existing development within the Specific Plan area includes residential, retail, medial office, light and heavy industrial, and institutional land uses.

¹ Bay Area Air Quality Management District, 2017. *CEQA Air Quality Guidelines*, May. Web: https://www.baaqmd.gov/~media/files/planning-and-research/ceqa/ceqa_guidelines_may2017-pdf.pdf?la=en

Figure 1. Ravenswood/4 Corners Specific Plan Update Area



REGULATORY FRAMEWORK

Air pollutants are governed by multiple federal and state standards to regulate and mitigate health impacts. The pollutants regulated by the US EPA include "criteria" pollutants and 188 air toxics referred to as hazardous air pollutants (HAPs). Considering all the HAPs, the EPA has identified nine compounds with significant contributions from mobile sources that are among the national and regional-scale cancer risk drivers or contributors and non-hazard contributors. These are 1,3-butadiene, acetaldehyde, acrolein, benzene, diesel particulate matter (DPM), ethylbenzene, formaldehyde, naphthalene, and polycyclic organic matter.

The State of California also regulates criteria pollutants, which include the federal list but also adds pollutants specific to certain industries, such as hydrogen sulfide and vinyl chloride. The State also regulates HAPs, which are referred to as TACs. The common pollutants, their potential sources, and effects are summarized in Table 1.

Table 1. Health Effects of Air Pollutants

Pollutants	Sources	Primary Effects
Carbon Monoxide (CO)	<ul style="list-style-type: none"> • Incomplete combustion of fuels and other carbon-containing substances, such as motor exhaust. • Natural events, such as decomposition of organic matter. 	<ul style="list-style-type: none"> • Reduced tolerance for exercise. • Impairment of mental function. • Impairment of fetal development. • Death at high levels of exposure. • Aggravation of some heart diseases (angina).
Nitrogen Dioxide (NO ₂)	<ul style="list-style-type: none"> • Motor vehicle exhaust. • High temperature stationary combustion. • Atmospheric reactions. 	<ul style="list-style-type: none"> • Aggravation of respiratory illness. • Reduced visibility. • Reduced plant growth. • Formation of acid rain.
Ozone (O ₃)	<ul style="list-style-type: none"> • Atmospheric reaction of organic gases with nitrogen oxides in sunlight. 	<ul style="list-style-type: none"> • Aggravation of respiratory and cardiovascular diseases. • Irritation of eyes. • Impairment of cardiopulmonary function. • Plant leaf injury.
Lead (Pb)	<ul style="list-style-type: none"> • Contaminated soil. 	<ul style="list-style-type: none"> • Impairment of blood functions and nerve construction. • Behavioral and hearing problems in children.
Suspended Particulate Matter (PM _{2.5} and PM ₁₀)	<ul style="list-style-type: none"> • Stationary combustion of solid fuels. • Construction activities. • Industrial processes. • Atmospheric chemical reactions. 	<ul style="list-style-type: none"> • Reduced lung function. • Aggravation of the effects of gaseous pollutants. • Aggravation of respiratory and cardiorespiratory diseases. • Increased cough and chest discomfort. • Soiling. • Reduced visibility.
Sulfur Dioxide (SO ₂)	<ul style="list-style-type: none"> • Combustion of sulfur-containing fossil fuels. • Smelting of sulfur-bearing metal ores. • Industrial processes. 	<ul style="list-style-type: none"> • Aggravation of respiratory diseases (asthma, emphysema). • Reduced lung function. • Irritation of eyes. • Reduced visibility. • Plant injury. • Deterioration of metals, textiles, leather, finishes, coatings, etc.
Toxic Air Contaminants	<ul style="list-style-type: none"> • Cars and trucks, especially diesel engines. • Industrial sources such as chrome platers. • Neighborhood businesses such as dry cleaners and service stations. • Building materials and product. 	<ul style="list-style-type: none"> • Cancer. • Chronic eye, lung, or skin irritation. • Neurological and reproductive disorders.

Source: CARB, 2009. ARB Fact Sheet: Air Pollution and Health, see: <https://www.arb.ca.gov/research/health/fs/fs1/fs1.htm>

Federal Air Quality Regulations

At the federal level, the EPA has been charged with implementing national air quality programs. EPA's air quality mandates are drawn primarily from the Federal Clean Air Act (FCAA), which was enacted in 1963. The FCAA was amended in 1970, 1977, and 1990. Pursuant to the FCAA of 1970, the EPA established National Ambient Air Quality Standards (NAAQS) for the following criteria pollutants:

Ozone (O₃) -Ozone is a secondary air pollutant produced in the atmosphere through a complex series of photochemical reactions involving reactive organic gases (ROG) and oxides of nitrogen (NO_x). The main sources of ROG and NO_x, often referred to as ozone precursors, are combustion processes (including combustion in motor vehicle engines) and the evaporation of solvents, paints, and fuels. In the Bay Area, automobiles are the single largest source of ozone precursors. Ozone is referred to as a regional air pollutant because its precursors are transported and diffused by wind concurrently with ozone production through the photochemical reaction process. Ozone is a powerful oxidant that is harmful to public health at high concentrations. Ozone, at high levels, can damage the tissues of the lungs and respiratory tract. High concentrations of ozone irritate the nose, throat, and respiratory system and constrict the airways.² Ozone also can aggravate other respiratory conditions such as asthma, bronchitis, and emphysema, causing increased hospital admissions. Repeated exposure to high ozone levels can make people more susceptible to respiratory infection and lung inflammation and permanently damage lung tissue. Ozone can also have negative cardiovascular impacts, including chronic hardening of the arteries and acute triggering of heart attacks.

Carbon Monoxide - Carbon monoxide (CO) is an odorless, colorless gas usually formed as the result of the incomplete combustion of fuels. The single largest source of CO is motor vehicles. While CO transport is limited, it disperses with distance from the source under normal meteorological conditions. However, under certain extreme meteorological conditions, CO concentrations near congested roadways or intersections may reach unhealthful levels that adversely affect local sensitive receptors (e.g., residents, schoolchildren, the elderly, hospital patients, etc.). Typically, high CO concentrations are associated with roadways or intersections operating at unacceptable levels of service (LOS) or with extremely high traffic volumes. Exposure to high concentrations of CO reduces the oxygen-carrying capacity of the blood and can cause headaches, nausea, dizziness, fatigue, impair central nervous system function, and induce angina (chest pain) in persons with serious heart disease. Very high levels of CO can be fatal.

Nitrogen Dioxide - Nitrogen Dioxide (NO₂) is a reddish-brown gas that is a byproduct of combustion processes. Automobiles and industrial operations are the main sources of NO₂. Aside from its contribution to ozone formation, NO₂ also contributes to other pollution problems, including a high concentration of fine particulate matter, poor visibility, and acid deposition. NO₂ may be visible as a coloring component on high pollution days, especially in conjunction with high ozone levels. NO₂ decreases lung function and may reduce resistance to infection.

Sulfur Dioxide - Sulfur dioxide (SO₂) is a colorless, irritating gas formed primarily from incomplete combustion of fuels containing sulfur. Industrial facilities also contribute to gaseous SO₂ levels in the region. SO₂ irritates the respiratory tract, can injure lung tissue when combined with fine particulate matter, and reduces visibility and the level of sunlight.

² See: California Air Resource Board, Web: <https://ww2.arb.ca.gov/resources/ozone-and-health>

Particulate Matter - Particulate matter is the term used for a mixture of solid particles and liquid droplets found in the air. Coarse particles are those that are larger than 2.5 microns but smaller than 10 microns (PM₁₀). PM_{2.5} refers to fine suspended particulate matter with an aerodynamic diameter of 2.5 microns or less that is not readily filtered out by the lungs. Nitrates, sulfates, dust, and combustion particulates are major components of PM₁₀ and PM_{2.5}. These small particles can be directly emitted into the atmosphere as by-products of fuel combustion, through abrasion, such as tire or brake lining wear, or through fugitive dust (wind or mechanical erosion of soil). They can also be formed in the atmosphere through chemical reactions. Particulates may transport carcinogens and other toxic compounds that adhere to the particle surfaces and can enter the human body through the lungs.

Lead - Lead is a metal found naturally in the environment as well as in manufactured products. The major sources of lead emissions have historically been mobile and industrial sources. As a result of the phase-out of leaded gasoline in the 1990's, metal processing is currently the primary source of lead emissions. The highest levels of lead emissions are generally found near lead smelters. Other stationary sources are waste incinerators, utilities, and lead-acid battery manufactures.

NAAQS include both primary and secondary standards. Primary standards set limits to protect public health, including the health of sensitive populations such as asthmatics, children, and the elderly. Secondary standards set limits to protect public welfare, including protection against decreased visibility, damage to animals, crops, vegetation, and buildings.³ Areas (i.e., air basins) that do not meet the NAAQS, or nonattainment areas, are required to develop State Implementation Plans (SIPs) that are designed to bring them into attainment of the NAAQS by specific dates.

The FCAA Amendments of 1990 changed deadlines for attaining NAAQS as well as the remedial actions required of areas of the nation that exceed the standards. Conformity with an area's SIP requirements satisfy the FCAA requirements for a given project.

State Air Quality Regulations

California Clean Air Act

In 1988, the CCAA established its own, more stringent ambient air quality standards, known as California Ambient Air Quality Standards (CAAQS). The CCAA requires that all air basins in the state endeavor to achieve and maintain CAAQS for CO, O₃, SO₂, and NO₂ by the earliest practical date. The CCAA establishes local air districts and provides them with authority to regulate indirect sources and mandates that air quality districts focus particular attention on reducing emissions from transportation and area-wide emission sources. Each nonattainment area in the State is required to adopt a plan to achieve a 5 percent annual reduction, averaged over consecutive 3-year periods, for each nonattainment pollutant or its precursors. A Clean Air Plan is a SIP that shows how a district would reduce emissions to achieve air quality standards.

³ See: U.S. Environmental Protection Agency, Web: <https://www.epa.gov/criteria-air-pollutants/naqs-table>, Accessed 13 August 2020

California Air Resources Board

The California Air Resources Board (CARB) is the agency responsible for coordination with the EPA and developing SIPs to achieve and maintain both the NAAQS and CAAQS. As a result, it has oversight of the state's air pollution control programs. Other CARB duties include monitoring air quality (in conjunction with air monitoring networks maintained by air pollution control and air quality management districts), determining and updating area designations and maps, and setting emissions standards for new mobile sources, consumer products, small utility engines, and off-road vehicles.

California Air Resources Board Handbook

In 1998, CARB identified particulate matter from diesel-fueled engines (i.e., DPM) as a toxic air contaminant. CARB has completed a risk management process that identified potential cancer risks for a range of activities using diesel-fueled engines.⁴ CARB subsequently developed an Air Quality and Land Use Handbook⁵ (Handbook) in 2005 that is intended to serve as a general reference guide for evaluating and reducing air pollution impacts associated with new projects that go through the land use decision-making process. The 2005 CARB Handbook recommends that planning agencies consider proximity to air pollution sources when considering new locations for "sensitive" land uses, such as residences, medical facilities, daycare centers, schools, and playgrounds.

Air pollution sources of concern include freeways, rail yards, ports, refineries, distribution centers, chrome plating facilities, dry cleaners, and large gasoline service stations. Key recommendations in the Handbook relative to the Plan Area include taking steps to consider or avoid siting new, sensitive land uses:

- Within 500 feet of a freeway, urban roads with 100,000 vehicles/day or rural roads with 50,000 vehicles/day.
- Within 300 feet of gasoline fueling stations (note that new fueling stations utilize enhanced vapor recovery systems that substantially reduce emissions).
- Within 300 feet of dry-cleaning operations (note that dry cleaning with TACs is being phased out and will be prohibited in 2023).

Advanced Clean Cars

The Advanced Clean Cars Program, adopted by CARB in 2012, was designed to bring together CARB's traditional passenger vehicle requirements to meet federal air quality standards and also support California's AB 32 goals to develop and implement programs to reduce GHG emissions

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

⁵ California Air Resources Board, 2005. *Air Quality and Land Use Handbook: A Community Health Perspective*. April.

back down to 1990 levels by 2020, a goal achieved in 2016 as a result of numerous emissions reduction programs.

This recent rule, *Advanced Clean Cars II (ACC II)* is phase two of the original rule. ACC II establishes a year-by-year process, starting in 2026, to have all new cars and light trucks sold in California be zero emission vehicles (ZEVs) by 2035. The regulation codifies the light-duty vehicle goals set out in Governor Newsom's Executive Order N-79-20. Currently, 16 percent of new light-duty vehicles sold in California are zero emissions or plug-in hybrids. By 2030, 68 percent of new vehicles sold in California would be zero emissions and 100 percent by 2035.

On-road Heavy-Duty Diesel Vehicle Regulations

CARB is actively enforcing on-road heavy-duty diesel vehicle regulations that require fleets to replace or retrofit older heavy-duty diesel vehicles. As of January 1, 2020, the DMV cannot register any vehicle that does not meet the diesel engine replace/retrofit requirements. Other CARB diesel programs affecting heavy-duty diesel vehicles include:

- Idling limits of no more than 5 minutes with special exceptions.
- Emission Control Labels must be affixed to engines of all commercial heavy-duty diesel vehicles, and must be legible as proof the engine, at minimum, meets U.S. federal emissions standards for the engine model year.
- The Periodic Smoke Inspection Program requires owners of California-based fleets of two or more diesel vehicles to perform annual smoke opacity tests and to keep records for at least two years for each vehicle.
- The Heavy-Duty Vehicle Inspection Program uses random roadside inspections to verify that diesel engines do not smoke excessively and are tamper-free.

Advanced Clean Trucks (ACT)

California's Advanced Clean Trucks (ACT) rule increases the percentage of medium and heavy-duty trucks sold as ZEVs beginning in 2024. By 2035, 40 to 75 percent of new trucks sold, depending on size, would have to meet ZEV requirements. In addition, large employers including retailers, manufacturers, brokers, and others are required to report about their existing fleet operations and report information about shipments and shuttle services with 50 or more trucks,.

Off-Road Vehicle and Equipment Regulations

CARB has adopted and implemented regulations to reduce DPM and nitrogen oxides (NOx) 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 NOx 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, is expected to substantially reduce emissions of DPM and NOx.

Fleet owners must report the vehicle and engine information for all vehicles within their fleets operating in California. Fleet owners must also report owner information using DOORS, which is CARB's online reporting tool. CARB issues a unique Equipment Identification Number (EIN) that is assigned to each vehicle. The fleet owner must label their vehicles with the EIN.

Other CARB diesel programs affecting off-road vehicles and equipment include:

- Idling limits of no more than 5 minutes with special exceptions.
- Portable engines 50 hp or greater may require a permit or registration to legally operate.

Bay Area Air Quality Management District

The BAAQMD is the local air quality management authority charged with attainment of the NAAQS/CAAQS and maintenance of air quality in the San Francisco Bay Area Air Basin (SFBAAB). They do this through a comprehensive program of planning, regulation, enforcement, technical innovation, and education. The BAAQMD also inspects stationary sources and responds to citizen complaints, monitors ambient air quality and meteorological conditions, and implements programs and regulations required by law.

BAAQMD Rules and Regulations

Emissions from appliances and equipment installed within the planning area are subject to BAAQMD permitting rules and regulations. The BAAQMD Rules and Regulations that apply to the planning area include:

- Regulation 2 – Permits
 - Rule 2-1: General Requirements
 - Rule 2-2: New Source Review
 - Rule 2-5: New Source Review of Toxic Air Contaminants
- Regulation 6 – Particulate Matter and Visible Emissions
 - Rule 6-2: Commercial Cooking Equipment
 - Rule 6-3: Wood-Burning Devices
 - Rule 6-7: Odorous Substances
- Regulation 7 – Odorous Substances
- Regulation 9 – Inorganic Gaseous Pollutants
 - Rule 9-1: Sulfur Dioxide
 - Rule 9-7: Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, And Process Heaters
 - Rule 9-8: Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines

Permits

Rule 2-1-301 requires that any person installing, modifying, or replacing any equipment, the use of which may reduce or control the emission of air contaminants, shall first obtain an Authority to Construct (ATC).

Rule 2-1-302 requires that written authorization from the BAAQMD in the form of a Permit to Operate (PTO) be secured before any such equipment is used or operated.

Rule 2-1 lists sources that are exempt from permitting.

New Source Review

Rule 2-2, New Source Review (NSR), applies to all new and modified sources or facilities that are subject to the requirements of Rule 2-1-301. The purpose of the rule is to provide for review of such sources and to provide mechanisms by which no net increase in emissions will result.

Rule 2-2-301 requires that an applicant for an ATC or PTO apply Best Available Control Technology (BACT) to any new or modified source that results in an increase in emissions and has emissions of precursor organic compounds, non-precursor organic compounds, NO_x, SO₂, PM₁₀, or CO of 10.0 pounds or more per highest day. Based on the estimated emissions from the proposed project, BACT will be required for NO_x emissions from the diesel-fueled generator engines.

Rule 2-5 applies to new and modified sources of TAC emissions. BAAQMD evaluates the TAC emissions in order to evaluate potential public exposure and health risk, to mitigate potentially significant health risks resulting from these exposures, and to provide net health risk benefits by improving the level of control when existing sources are modified or replaced. Toxics BACT (or TBACT) is applied to any new or modified source of TACs where the source risk is a cancer risk greater than 1.0 in one million and/or a chronic hazard index greater than 0.20. Permits are not issued for any new or modified source that has risks or net project risks that exceed a cancer risk of 10.0 in one million or a chronic or acute hazard index of 1.0.

Stationary Diesel Airborne Toxic Control Measure

The BAAQMD administers the CARB's Airborne Toxic Control Measure (ACTM) for Stationary Diesel engines (section 93115, title 17 CA Code of Regulations). The project's stationary sources will be new stationary emergency stationary emergency standby diesel engines larger than 50 hp. These limits vary based on maximum engine power. All engines are limited to PM emission rates of 0.15 g/hp-hour, regardless of size. This ACTM limits engine operation 50 hours per year for routine testing and maintenance.

Offsets

Rule 2-2-302 requires that offsets be provided for a new or modified source that emits more than 10 tons per year of NO_x or precursor organic compounds.

Prohibitory Rules

Regulation 6 pertains to particulate matter and visible emissions. Although the engines will be fueled with diesel, they will be modern, low emission engines. Thus, the engines are expected to comply with Regulation 6.

Rule 6-2 applies to emissions from commercial kitchens. Effective January 1, 2009, no person shall operate a charbroiler unless it is equipped and operated with a certified catalytic oxidizer or exhausted through a certified controlled device.

Rule 6-3 applies to emissions from wood-burning devices. Effective November 1, 2016, no person or builder shall install a wood-burning device in a new building construction.

Regulation 7 places general limitations on odorous substances and specific emission limitations on certain odorous compounds when the District receives odor complaints. The regulation prohibits discharge of odorous substance that causes the ambient air at or beyond the property line to be odorous and to remain odorous after dilution with four parts of odor-free air and places limits on certain odorous compounds or family of compounds.

Rule 9-1 applies to sulfur dioxide. The engines will use ultra-low sulfur diesel fuel (less than 15 ppm sulfur) and will not be a significant source of sulfur dioxide emissions and are expected to comply with the requirements of Rule 9-1.

Rule 9-7 limits the emissions of NO_x CO from industrial, institutional and commercial boilers, steam generators and process heaters. This regulation typically applies to boilers with a heat rating of 2 million British Thermal Units (BTU) per hour

Rule 9-8 prescribes NO_x and CO emission limits for stationary internal combustion engines. Since the proposed engines will be used with emergency standby generators, Regulation 9-8-110 exempts the engines from the requirements of this Rule, except for the recordkeeping requirements (9-8-530) and limitations on hours of operation for reliability-related operation (maintenance and testing). The engines will not operate more than 50 hours per year, which will satisfy the requirements of 9-8-111.

BACT for Diesel Generator Engines

Since the generators will be used exclusively for emergency use during involuntary loss of power, the BACT levels listed for IC compression engines in the BAAQMD BACT Guidelines would apply. These are provided for two separate size ranges of diesel engines:

- I.C. Engine – Compression Ignition >50hp and <1,000hp: BAAQMD applies BACT 2 emission limits based on the ATCM for stationary emergency standby diesel engines larger than 50 brake-horsepower (BHP). NO_x emission factor limit is subject to the CARB ACTM that ranges from 3.0 to 3.5 grams per horsepower hour (g/hp-hr). The PM (PM₁₀ or PM_{2.5}) limit is 0.15 g/hp-hr per CARB's ACTM.

- I.C. Engine – Compression Ignition >999hp: BAAQMD applies specific BACT emission limits for stationary emergency standby diesel engines equal or larger than 1,000 brake-horsepower (BHP). NOx emission factor limit is 0.5 g/hp-hr. The PM (PM₁₀ or PM_{2.5}) limit is 0.02 g/hp-hr. POC (i.e., ROG) limits are 0.14 g/hp-hr.

Clean Air Plan

The BAAQMD is responsible for developing a Clean Air Plan which guides the region’s air quality planning efforts to attain the NAAQS and CAAQS. The BAAQMD’s *2017 Clean Air Plan* is the latest air quality plan which contains district-wide control measures to reduce ozone precursor emissions (i.e., ROG and NO_x), particulate matter, and greenhouse gas (GHG) emissions. The *2017 Clean Air Plan*, which was adopted on April 19, 2017 by the BAAQMD’s board of directors:

- Updates the Bay Area 2010 Clean Air Plan in accordance with the requirements of the CCAA to implement “all feasible measures” to reduce ozone;
- Provides a control strategy to reduce ozone, particulate matter, air toxics, and GHGs in a single, integrated plan;
- Reviews progress in improving air quality in recent years; and
- Continues and updates emission control measures.

Planning Healthy Places

BAAQMD developed a guidebook that provides air quality and public health information intended to assist local governments in addressing potential air quality issues related to exposure of sensitive receptors to exposure of emissions from local sources of air pollutants. The guidance provides tools and recommends best practices that can be implemented to reduce exposures. The information is provided as recommendations to develop policies and measures in city or county General Plans, neighborhood or specific plans, land use development ordinances, or into projects.

BAAQMD California Environmental Quality Act Air Quality Guidelines

The BAAQMD California Environmental Quality Act (CEQA) Air Quality Guidelines⁶ 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 TACs, odors, and GHG emissions. In June 2010, the BAAQMD’s Board of Directors adopted CEQA thresholds of significance and an update of their CEQA Guidelines. In May 2011, the updated BAAQMD CEQA Air Quality Guidelines were amended to include a health risk and hazards threshold for new receptors and modify procedures for assessing

⁶ Bay Area Air Quality Management District, 2017. *CEQA Air Quality Guidelines*. May.

impacts related to TAC impacts. The Guidelines were updated again in May 2017 and this version serves as the air district’s most recent CEQA guidance.

Per Appendix G of the CEQA Guidelines, air quality and GHG impacts are considered significant if implementation of the General Plan (or specific area plan) would:

- 1) Conflict with or obstruct implementation of an applicable air quality plan.
- 2) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or state ambient air quality standard.
- 3) Expose sensitive receptors to substantial pollutant concentrations.
- 4) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.
- 5) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment.
- 6) Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases.

Additionally, specific projects within a planning area that have TAC emissions that could adversely affect sensitive receptors must prepare a health risk assessment to quantify the potential risks to the community and, if appropriate, identify mitigation measures to reduce impacts.

The BAAQMD’s current significance thresholds are listed in Table 2 and Table 3. Though not necessarily a CEQA issue, the effect of existing TAC sources on future sensitive receptors (e.g., residences) is requested by BAAQMD to comply with the 2017 Clean Air Plan’s key goal of reducing population TAC exposure and protecting public health in the Bay Area.

Table 2. BAAQMD Plan-Level Air Quality Significance Thresholds

Pollutant/Contaminant	Construction	Operational
Criteria Air Pollutants and Precursors	None	<ol style="list-style-type: none"> 1. Consistency with Current Air Quality Plan control measures 2. Projected VMT or vehicle trip increase is less than or equal to projected population increase
Risks and Hazards	None	<ol style="list-style-type: none"> 1. Overlay zones around existing and planned sources of TACs (including adopted Risk Reduction Plan areas) 2. Overlay zones of at least 500 feet from all freeways and high-volume roadways <p>For this analysis – overlay zones are based on potential for sources to result in the following impacts:</p> <ol style="list-style-type: none"> 1. Excess cancer risk >10.0 chances per million 2. Annual PM2.5 Concentration > 0.3 µg/m³ 3. Hazard Index >1.0
Odors	None	Identify the location, and include policies to reduce the impacts, of existing or planned sources of odors

Table 3. BAAQMD Project-Level Air Quality 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
CO	Not Applicable	9.0 ppm (8-hour average) or 20.0 ppm (1-hour average)	
Fugitive Dust	Construction Dust Ordinance or other Best Management Practices	Not Applicable	
Health Risks and Hazards	Single Sources Within 1,000-foot Zone of Influence	Combined Sources (Cumulative from all Sources within 1,000-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	
Odors	Complaints		
Detection	5 confirmed complaints per year averaged over three years		
Note: ROG = reactive organic gases, NO _x = 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.			

Source: Bay Area Air Quality Management District, 2017

CARE Program

The 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.⁷ 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 has been 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 has been 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. 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.

⁷ See BAAQMD: <https://www.baaqmd.gov/community-health/community-health-protection-program/community-air-risk-evaluation-care-program>.

Overburdened Communities Program

To address localized health impacts in Bay Area communities, BAAQMD staff met with community advocacy organizations to develop concepts and recommendations on how the air district could be more health protective. Through a series of public workshops and a public comment period, BAAQMD amended Rule 2 (i.e., Regulation 2-1-24) in 2021. It identifies an *overburdened* community as an area located (i) within a census tract identified by the California Office of Environmental Health Hazard Assessment's (OEHHA's) Communities Environmental Health Screening Tool (CalEnviroScreen), Version 4.0, as having an overall score at or above the 70th percentile, or (ii) within 1,000 feet of any such census tract. Projects in overburdened communities must conduct specific public involvement activities and stationary sources are subject to specific permitting requirements.

City of East Palo Alto

Vista 2035 East Palo Alto General Plan

On October 4, 2016, the City of East Palo Alto adopted the *Vista 2035 East Palo Alto General Plan*, which was an update to the City's 1999 General Plan and Zoning Ordinance.⁸ The final version was published March 2017. The General Plan is the foundation for establishing goals, purposes, zoning, and activities allowed on each land parcel to provide compatibility and continuity to the entire region as well as each individual neighborhood. This general plan includes goals and policies to improve air quality within East Palo Alto. The goals, policies, and programs relevant to air quality are contained in the *Land Use and Urban Design, Transportation, Health and Equity, and Parks, Open Space, and Conservation* Chapters.

Land Use and Urban Design.

Goal LU-1. Maintain an urban form and land use pattern that enhances the quality of life and meets the community's vision for its future.

Intent: To provide housing, employment, retail and services, recreation, arts, education and entertainment for the City's residents and businesses in an urban environment that promotes health, equity, prosperity, and well-being.

Policies:

1.1 Balanced land uses. Create a balanced land use pattern to support a jobs-housing balance, minimize traffic and vehicle miles traveled, reduce greenhouse gas emissions, and promote a broad range of housing choices, retail businesses, employment opportunities, cultural venues, educational institutions and other supportive land uses.

⁸ City of East Palo Alto, 2017. *Vista 2035 East Palo Alto General Plan*. March. Web: <http://www.ci.east-palo-alto.ca.us/DocumentCenter/View/3187>

Goal LU-9. Provide an urban environment that is tailored to the pedestrian.

Intent: To support and increase pedestrian activity and walkability throughout the City, encouraging a vibrant public realm and walking as a safe, comfortable, healthy and viable mode of transportation.

Policies:

9.3 Landscaping. Require development projects to incorporate drought tolerant, native species landscaping in order to extend and enhance the green space network of the City.

Goal LU-17. Preserve the single-family character of the University Village area.

Intent: To enhance the character and identity of University Village as development occurs in the Ravenswood area.

Policies:

17.10 Transit Stop. Continue to work with regional agencies to monitor the use of Dumbarton rail corridor for commuter rail service and seek to protect the University Village from noise, air quality, and other impacts.

Transportation

Goal T-8. Adopt transportation demand management and roadway system efficiency strategies.

Intent: To increase transportation choices, improve public health, reduce pollution, make effective use of roadway capacity and decrease automobile traffic by improving management of existing roadways and implementing complementary policies promoting transit, walking, bicycling and complete streets.

Policies:

8.1 Transportation Demand Management (TDM). Promote effective TDM programs to reduce travel demand from existing and new development, shifting trips to alternative modes. Regularly update the TDM ordinance to establish effective requirements that reduce travel demand from existing and new development. Require projects to implement TDM programs, as defined in the TDM ordinance.

Health and Equity

Goal HE-4. Safely and Systemically address toxics, legacy pollutants, and hazardous materials.

Intent: To protect residents and visitors against harmful health and other impacts associated with dangerous materials that may pose a threat to life and property, and may dictate costly public improvements. Reduction or elimination of these hazards can be accomplished with concerted efforts.

Policies:

4.1 Toxic Waste. Prohibit new non-residential uses that are known to release or emit toxic waste at levels that are harmful to human health while continuing to allow R&D uses, and other necessary services such as dry cleaners.

4.2 Pollutants. Continue to work with state, federal, regional, and local agencies to eliminate and reduce concentrations of regulated legacy pollutants.

Goal HE-10. Improve respiratory health through the City and strive to reduce incidence of asthma and other respiratory illnesses.

Intent: To use policies and regulations that reduce the impact of air pollution on residents in East Palo Alto.

Policies:

10.1 Highway buffers. Discourage the development of sensitive land uses (schools, health care clinics, and elder and childcare facilities) within 500 feet of freeways and stationary sources of air pollution.

10.2 Air pollution mitigation. Require that new multi-family development located within 500 feet of freeways or along University Avenue implement appropriate mitigation measures such as air filtration/ventilation systems, landscaping and other physical improvements as recommended by the California Air Resources Board (CARB) and/or the Bay Area Air Quality Management District to reduce indoor air pollution.

10.3 Landscape barriers. Plant landscape buffers between Highway 101 and residential areas to reduce noise and air pollution for residential areas.

10.4 No new truck routes. Prohibit the designation of new truck routes on residential and collector streets in East Palo Alto.

10.6 Electric vehicle fleet. Improve air quality and respiratory health through City programs and operations such as converting to a clean-air and primarily electric fleet.

10.7 Other mobility strategies. Implement the strategies in the Transportation Element that improve air quality. These include transit, walking, biking and Transportation Demand Management strategies.

Goal HE-13. All housing is designed and built in a way that facilitates health, sustainability, and efficiency.

Intent: To ensure that all housing has healthy indoor air that is free from pollutants such as tobacco smoke, mold, carbon monoxide, and radon, and is constructed from materials that do not contain hazardous elements, such as lead or asbestos.

Policies:

13.1 Healthy design guidelines. Support creativity in the construction of new housing by proactively developing zoning and healthy design guidelines. Solicit broad public input during the drafting.

13.2 Healthy housing codes. Review, revise, and update the building code (as well as other relevant plans, procedures, regulations, guidelines, programs, and design manuals) as needed, in order to promote healthy housing quality.

13.3 Healthy design checklists. Work with developers to prioritize health in planned construction, using healthy designed checklists and/or review tools (such as the Building Design Checklist by the Center for Active Design).

Parks, Open Space, and Conservation

Goal POC-6. Preserve and expand the urban forest on both public and private property.

Intent: To maximize the benefits of a healthy urban forest, especially to counteract the impacts of highways and other sources of air pollution.

Policies:

6.2 New tree planting. Prioritize the planting of new trees on sites designated as sensitive receptors (e.g., schools, health centers) or that are in close proximity to sources of air pollution such as freeways and heavily traveled road corridors.

6.4 Urban forestry programs. Support education and outreach programs to inform community members about the benefits of urban trees, including shade, improved air quality, filtration of stormwater, and wildlife habitat. Educate the community about proper tree maintenance.

Safety and Noise

Goal SN-8. Coordinate land use planning to prevent new odor complaints.

Intent: To avoid conflicts related to bad odors, especially between incompatible use.

Policies:

8.1 Identify potential for odor complaints. Use BAAQMD Odor Screening Distances or City-specific screening distances to identify odor potential. Evaluate odors from sources within these screening distances based on odor potential, wind conditions, setback distance and receptor type.

8.2 Odor sources. Prohibit new sources of odors that have the potential to result in frequent odor complaints unless it can be shown that potential odor complaints can be mitigated.

8.3 Sensitive receptors near odor sources. Prohibit sensitive receptors from locating near odor sources where frequent odor complaints would occur, unless it can be shown that potential odor complaints can be mitigated.

City of East Palo Alto General Plan Update FEIR

The City of East Palo Alto adopted the City of East Palo Alto General Plan Update Final Environmental Impact Report (FEIR) in August 2016. The FEIR addressed air quality impacts associated with implementation of *Vista 2035 East Palo Alto General Plan*. Mitigation measures applicable to individual projects were included in the FEIR to reduce impacts from construction and operation, as BAAQMD emissions and health risk thresholds still apply to individual projects. Mitigation measures required by the *Vista 2035 East Palo Alto General Plan* include:

MM AQ-1: Implement BAAQMD-Recommended Measures to Control Particulate Matter Emissions during Construction. Measures to reduce DPM and PM₁₀ from construction are recommended to ensure that short-term health impacts to nearby sensitive receptors are avoided. These measures are listed below:

- Water all active construction areas at least twice daily and more often during windy periods. Active areas adjacent to residences should be kept damp at all times.
- Cover all hauling trucks or maintain at least two feet of freeboard.
- Pave, apply water at least twice daily, or apply (non-toxic) soil stabilizers on all unpaved access roads, parking areas, and staging areas.
- Sweep daily (with water sweepers) all paved access roads, parking areas, and staging areas and sweep streets daily (with water sweepers) if visible soil material is deposited onto the adjacent roads.

- Hydroseed or apply (nontoxic) soil stabilizers to inactive construction areas (i.e., previously graded areas that are inactive for 10 days or more).
- Enclose, cover, water twice daily, or apply (non-toxic) soil binders to exposed stockpiles.
- Limit traffic speeds on any unpaved roads to 15 mph.
- Replant vegetation in disturbed areas as quickly as possible.
- Suspend construction activities that cause visible dust plumes to extend beyond the construction site.
- Post a publicly visible sign(s) 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.
- Measures to reduce exhaust emissions from large construction projects:
- The developer or contractor shall provide a plan for approval by the City or BAAQMD demonstrating that the heavy-duty (>50 horsepower) off-road vehicles to be used in the construction project, including owned, leased, and subcontractor vehicles, will achieve a project wide fleet-average 20 percent NOx reduction and 45 percent particulate reduction compared to the most recent CARB fleet average for the year 2011.
- Clear signage at all construction sites will be posted indicating that diesel equipment standing idle for more than five minutes shall be turned off. This would include trucks waiting to deliver or receive soil, aggregate or other bulk materials. Rotating drum concrete trucks could keep their engines running continuously as long as they were onsite or adjacent to the construction site.
- The contractor shall install temporary electrical service whenever possible to avoid the need for independently powered equipment (e.g., compressors).
- Properly tune and maintain equipment for low emissions.

MM AQ-2: Require Project-Level Construction Health Risk Assessment. Construction health risk assessments will be required on a project-by-project basis, either through screening or refined modeling, to identify impacts and, if necessary, include measures to reduce exposure. Reduction in health risk can be accomplished through, though is not limited to, the following measures:

- Construction equipment selection;
- Use of alternative fuels, engine retrofits, and added exhaust devices;
- Modify construction schedule; and
- Implementation of BAAQMD Basic and/or Additional Construction Mitigation Measures for control of fugitive dust.

MM AQ-3: Require Project-Level Health Risk Assessment For New Development. Future development under the General Plan Update that includes sensitive receptors (such as schools, hospitals, daycare centers, or retirement homes) located within the setback

distances from highways, railroads, local roadways, and stationary sources shall require site-specific analysis to determine the level of TAC and PM_{2.5} exposure. This setback distance ranges from <50 feet to 1,000 feet, depending on the TAC source. This analysis shall be conducted following procedures outlined by BAAQMD. If the site-specific analysis reveals significant exposures, such as cancer risk greater than 10 in one million or cumulative cancer risk greater than 100 in one million, additional measures shall be employed to reduce the risk to below the threshold. If this is not possible, the sensitive receptors shall be relocated.

Future non-residential developments would be evaluated through the CEQA process or BAAQMD permit process to ensure that they do not cause a significant health risk in terms of excess cancer risk greater than 10 in one million, acute or chronic hazards with a Hazard Index greater than 1.0, or annual PM_{2.5} exposures greater than 0.3 µg/m³, or a significant cumulative health risk in terms of excess cancer risk greater than 100 in one million, acute or chronic hazards with a Hazard Index greater than 10.0, or annual PM_{2.5} exposures greater than 0.8 µg/m³.

For significant cancer risk exposure, as defined by BAAQMD, indoor air filtration systems shall be installed to effectively reduce particulate levels to a less-than-significant level. Project sponsors shall submit performance specifications and design details to demonstrate that lifetime residential exposures would result in less-than-significant cancer risks (less than 10 in one million chances or 100 in one million for cumulative sources).

Ravenswood Ravenswood/4 Corners TOD Specific Plan

In 2013, the City of East Palo Alto adopted the *Ravenswood/4 Corners TOD Specific Plan* to outline how the area would be transformed into thriving districts that provide places to live, employment opportunities, parks, open spaces, and amenities for all of East Palo Alto. The Specific Plan creates a framework for transforming the intersection of University Avenue and Bay Road into a new “downtown” for East Palo Alto. In addition, it provides detailed regulations for all new development that occurs in Ravenswood and 4 Corners area.

The Final Environmental Impact Report (FEIR) for the Plan was completed in 2012 and addresses air quality impacts associated with implementation of the plan. Mitigation measures applicable to individual projects were identified to reduce impacts from the construction and operation of projects in the area. They include:

- Mitigation Measure AQ-2: Implementation of BAAQMD Basic and/or Additional Construction Mitigation Measures for control of fugitive dust.
- Mitigation Measure AQ-3: New restaurants located in mixed-use developments, or adjacent to residential developments, shall install kitchen exhaust vents with filtration systems, re-route vents away from residential development, or use other accepted methods of odor control, in accordance with local building and fire codes.

SETTING AND EXISTING AIR QUALITY CONDITIONS

The project is located in San Mateo County, which is part of the San Francisco Bay Area Air Basin. The Air Basin includes the counties of San Francisco, Santa Clara, San Mateo, Marin, Napa, Contra Costa, and Alameda, along with the southeast portion of Sonoma County and the southwest portion of Solano County.

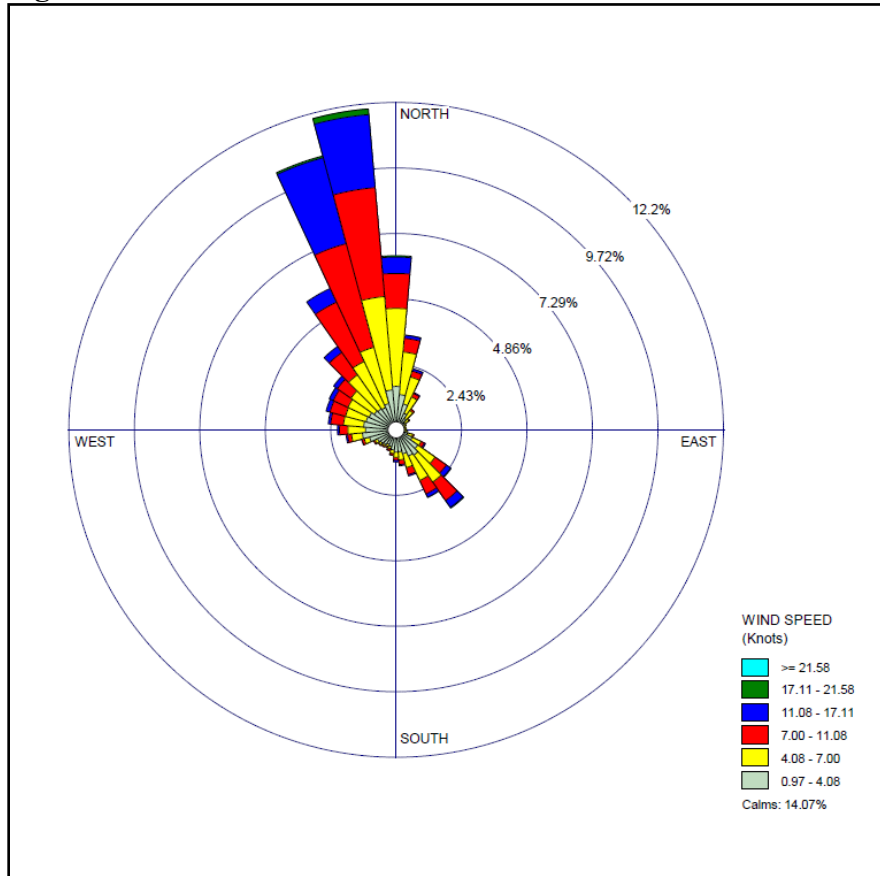
This Project is within the jurisdiction of the BAAQMD. Air quality conditions in the San Francisco Bay Area have improved significantly since the BAAQMD was created in 1955. Ambient concentrations of air pollutants, and the number of days during which the region exceeds air quality standards, have fallen dramatically. Exceedances of air quality standards occur primarily during meteorological conditions conducive to high pollution levels, such as cold, windless winter nights or hot, sunny summer afternoons.

Air quality is a function of both local climate and local sources of air pollution. Air quality is the balance of the natural dispersal capacity of the atmosphere and emissions of air pollutants from human uses of the environment. Climate and topography are major influences on air quality.

Climate and Meteorology

During the summer, mostly clear skies result in mild to warm daytime temperatures and cool nights in the San Francisco Peninsula. Winter temperatures are mild, except for very cool but generally frost-less mornings. Further inland where the moderating effect of the bay is not as strong, temperature extremes are greater. Rainfall amounts are modest, ranging from 13 inches in the lowlands to over 20 inches in the hills. Wind patterns are influenced by local terrain, with a northwesterly breeze in response to the sea breeze infiltrating San Francisco Bay typically developing during the daytime. Winds are usually stronger in the spring and summer. The southerly winds experienced are more common in late fall and winter. The wind rose shown in Figure 2 describes the patterns and frequency of winds at the project site. Wind data were collected from Moffett Federal Airfield for the years 2013 - 2017.

Figure 2. Windrose for Moffett Federal Airfield Years 2013 - 2017



Notes: Based on data provided by BAAQMD

NAAQS and CAAQS Status

Both the US EPA and CARB designate air basins as attainment, nonattainment, or unclassified based on ambient monitoring data. An “attainment” designation for an area signifies that pollutant concentrations did not violate the standard for that pollutant in that area. A “nonattainment” designation indicates that a pollutant concentration violated the standard at least once, excluding those occasions when a violation was caused by an exceptional event, as defined in the criteria. An “unclassified” designation signifies that data does not support either an attainment or nonattainment status, or that monitoring data were not available. Table 4 shows the state and federal standards for criteria pollutants and provides a summary of the attainment status for the San Francisco Bay Area.

Table 4. San Francisco Bay Area NAAQS and CAAQS Status

Pollutant	Averaging Time	State		Federal	
		Standard	Status	Standard	Status
Carbon Monoxide (CO)	8-Hour	9 ppm (10 mg/m ³)	Attainment	9 ppm (10 mg/m ³)	Attainment
	1-Hour	20 ppm (23 mg/m ³)	Attainment	35 ppm (40 mg/m ³)	Attainment
Nitrogen Dioxide (NO ₂)	Annual Mean	0.030 ppm (57 mg/m ³)	Attainment	0.053 ppm (100 µg/m ³)	Attainment
	1-Hour	0.18 ppm (338 µg/m ³)	Attainment	0.100 ppm	Unclassified
Ozone (O ₃)	8-Hour	0.07 ppm (137 µg/m ³)	Nonattainment	0.070 ppm	Nonattainment
	1-Hour	0.09 ppm (180 µg/m ³)	Nonattainment	Not Applicable	Not Applicable
Suspended Particulate Matter (PM ₁₀)	Annual Mean	20 µg/m ³	Nonattainment	Not Applicable	Not Applicable
	24-Hour	50 µg/m ³	Nonattainment	150 µg/m ³	Unclassified
Suspended Particulate Matter (PM _{2.5})	Annual Mean	12 µg/m ³	Nonattainment	12 µg/m ³	Attainment
	24-Hour	Not Applicable	Not Applicable	35 µg/m ³	Nonattainment
Sulfur Dioxide (SO ₂)	Annual Mean	Not Applicable	Not Applicable	80 µg/m ³ (0.03 ppm)	Attainment
	24-Hour	0.04 ppm (105 µg/m ³)	Attainment	365 µg/m ³ (0.14 ppm)	Attainment
	1-Hour	0.25 ppm (655 µg/m ³)	Attainment	0.075 ppm (196 µg/m ³)	Attainment

Lead (Pb) is not listed in the above table because it has attained the NAAQS/CAAQS since the 1980s. ppm = parts per million, mg/m³ = milligrams per cubic meter, µg/m³ = micrograms per cubic meter

Source: Bay Area Air Quality Management District, 2017. *Air Quality Standards and Attainment Status*. January 5.

Criteria Pollutant Concentrations

BAAQMD monitors air pollution at various sites within the airshed. The closest air monitoring station is approximately 18 miles southeast of the project site in the City of San José (158 Jackson Street). It has monitored O₃, CO, NO, NO₂, PM₁₀, and PM_{2.5} over the past 5 years (2017 through 2021). The data shows over the past few years, the specific plan area has exceeded the state and/or federal O₃, PM₁₀, and PM_{2.5} ambient air quality standards. Table 5 lists air quality trends in data collected for the past 5 years and published by the BAAQMD and CARB for the Jackson Street monitoring location, which is the most recent time-period available. Note these concentrations were influenced by smoke from wildfires.

Table 5. Ambient Air Quality Concentrations from 2017 through 2021

Pollutant		Standard	2017	2018	2019	2020	2021
Ozone							
Max 1-hr concentration			121 ppb	78 ppb	95 ppb	106 ppb	98 ppb
No. days exceeded: CAAQS	3		0	1	1	3	1
Max 8-hr concentration			99 ppb	61 ppb	82 ppb	86 ppb	85 ppb
No. days exceeded: CAAQS	4		0	2	2	4	2
NAAQS	4		0	2	2	4	2
Carbon Monoxide							
Max 1-hr concentration			2.1 ppm	2.5 ppm	1.7 ppm	--	--
No. days exceeded: CAAQS	0		0	0	--	--	--
NAAQS	0		0	0	--	--	--
Max 8-hr concentration			1.8 ppm	2.1 ppm	1.3 ppm	1.3 ppm	--
No. days exceeded: CAAQS	0		0	0	0	--	0
NAAQS	0		0	0	0	--	0
PM₁₀							
Max 24-hr concentration			70 µg/m ³	122 µg/m ³	77 µg/m ³	137 µg/m ³	45 µg/m ³
No. days exceeded: CAAQS	6		4	4	10	0	10
NAAQS	0		0	0	0	0	0
Max annual concentration			21 µg/m ³	23 µg/m ³	19 µg/m ³	25 µg/m ³	20
No. days exceeded: CAAQS	-		-	-	-	-	-
PM_{2.5}							
Max 24-hr concentration			50 µg/m ³	134 µg/m ³	34 µg/m ³	121 µg/m ³	38 µg/m ³
No. days exceeded: NAAQS	6		16	0	12	1	12
Annual Concentration			9.5 µg/m ³	12.7 µg/m ³	9.0 µg/m ³	11.5 µg/m ³	8.9 µg/m ³
No. days exceeded: CAAQS	12 µg/m ³		-	-	-	-	-
NAAQS	12 µg/m ³		-	-	-	-	-
Nitrogen Dioxide							
Max 1-hr concentration			68 ppb	86 ppb	60 ppb	52 ppb	-
No. days exceeded: CAAQS	0		0	0	0	-	0
NAAQS	0		0	0	0	-	0
Annual Concentration			12 ppb	12 ppb	11 ppb	10 ppb	-
No. days exceeded: CAAQS	0.030 ppm		-	-	-	-	-
NAAQS	0.053 ppm		-	-	-	-	-

Source: Bay Area Air Quality Management District, 2020, Web: <https://www.baaqmd.gov/about-air-quality/air-quality-summaries>. California Air Resource Board, 2021, Web: <https://arb.ca.gov/adam/select8/sc8start.php>

Ozone and PM_{2.5} are the major regional air pollutants of concern in the San Francisco Bay Area. Elevated concentrations of PM₁₀ and PM_{2.5} are the result of both region-wide (or cumulative) emissions and localized emissions. High ozone levels are caused by the cumulative emissions of ROG and NO_x. Controlling the emissions of these precursor pollutants is the focus of BAAQMD'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. Ozone frequently forms on hot summer days when the prevailing seasonal northerly winds carry ozone precursors southward across the county.

Ozone is a regional pollutant. Emissions of ROG and NO_x throughout the Bay Area contribute to ozone formation. Because emissions in one part of the region can impact air quality miles downwind, efforts to reduce ozone levels focus on reducing emissions of ROG and NO_x throughout the region. The relationship between ROG and NO_x in ozone formation is complex; the ratio between the precursor pollutants influences how ozone forms. BAAQMD's ozone

modeling indicates that the Bay Area is “ROG-limited” for ozone formation. This means that reducing ROG emissions in the Bay Area will be more productive in reducing ozone, at least in the near term. However, modeling also suggests that large reductions in NO_x emissions will be needed to achieve the ozone reductions required to attain the current health-based ozone standards. A certain amount of ozone formation occurs naturally, even in the absence of anthropogenic emissions of ROG and NO_x.⁹

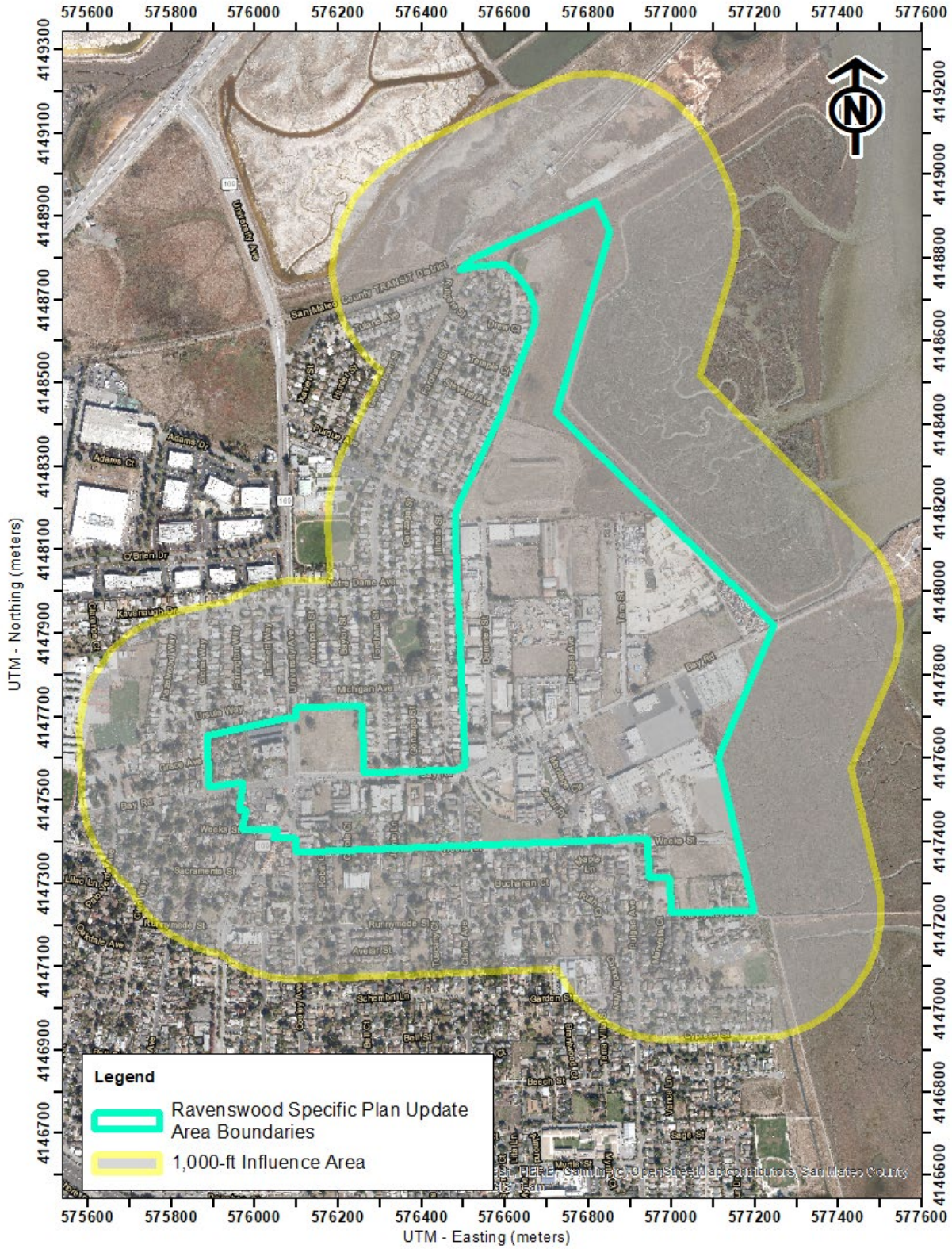
Existing Sources of TACs and Sensitive Receptors

There are groups of people more affected by air pollution than others. CARB has identified the following people 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, and elementary schools. 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 existing developments in the Ravenswood SPU area include single-family and multi-family residential, retail, medical office, light and general industrial, and civic/institutional land uses. Sensitive receptors include locations where sensitive populations would be present for extended periods of time (i.e., chronic exposures). The project would include new residential dwellings that are considered sensitive receptors. Figure 3 shows the plan area and 1,000-foot buffer.

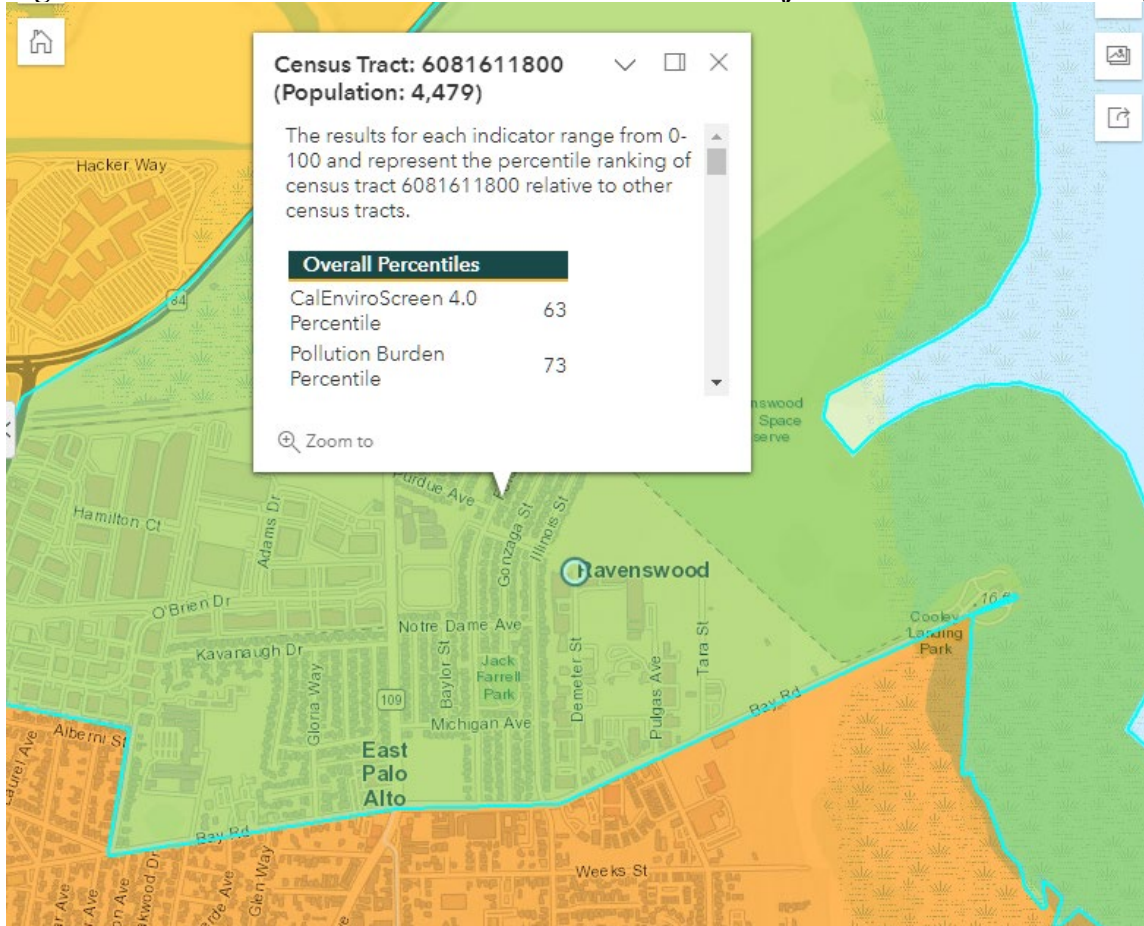
⁹ Bay Area Air Quality Management District, 2017. *Spare the Air Cool the Climate Final 2017 Clean Air Plan*. April. Web: https://www.baaqmd.gov/~/_media/files/planning-and-research/plans/2017-clean-air-plan/attachment-a_-_proposed-final-cap-vol-1-pdf.pdf?la=en

Figure 3. Ravenswood/4 Corners Specific Plan Update Project Site and 1,000-foot Area



BAAQMD has identified the planning area as an overburdened community. According to OEHHA’s CalEnviroScreen tool, the census tracts containing the planning area have an overall score of 63, 75, and 77 (see Figure 4A, 4B, 4C).¹⁰

Figure 4A. CalEnviroScreen 4.0 Results for the Project Site and Surrounding Areas



¹⁰ OEHHA, CalEnviroScreen 4.0 Indicator Maps <https://oehha.ca.gov/calenviroscreen/report/calenviroscreen-40>

Figure 4B. CalEnviroScreen 4.0 Results for the Project Site and Surrounding Areas

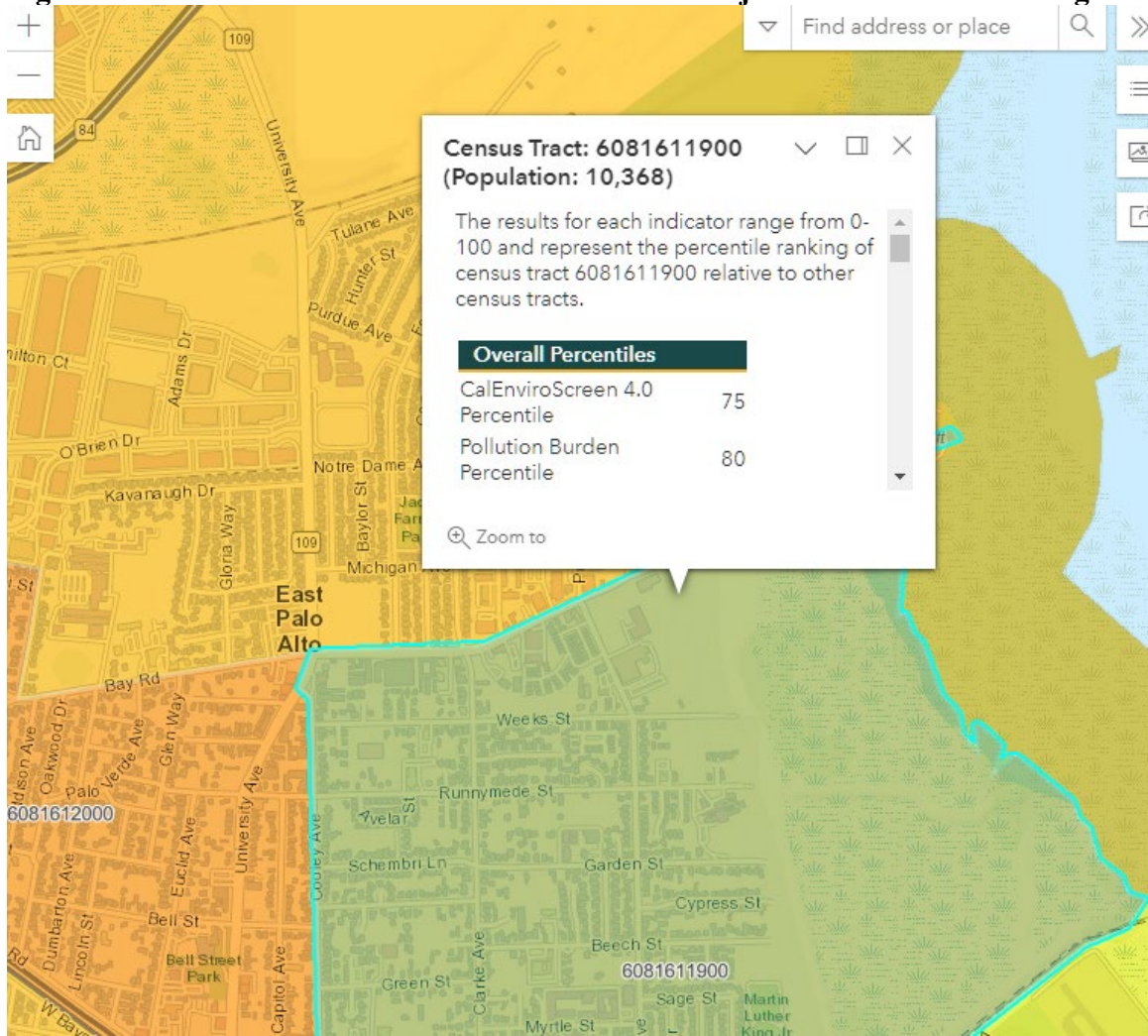
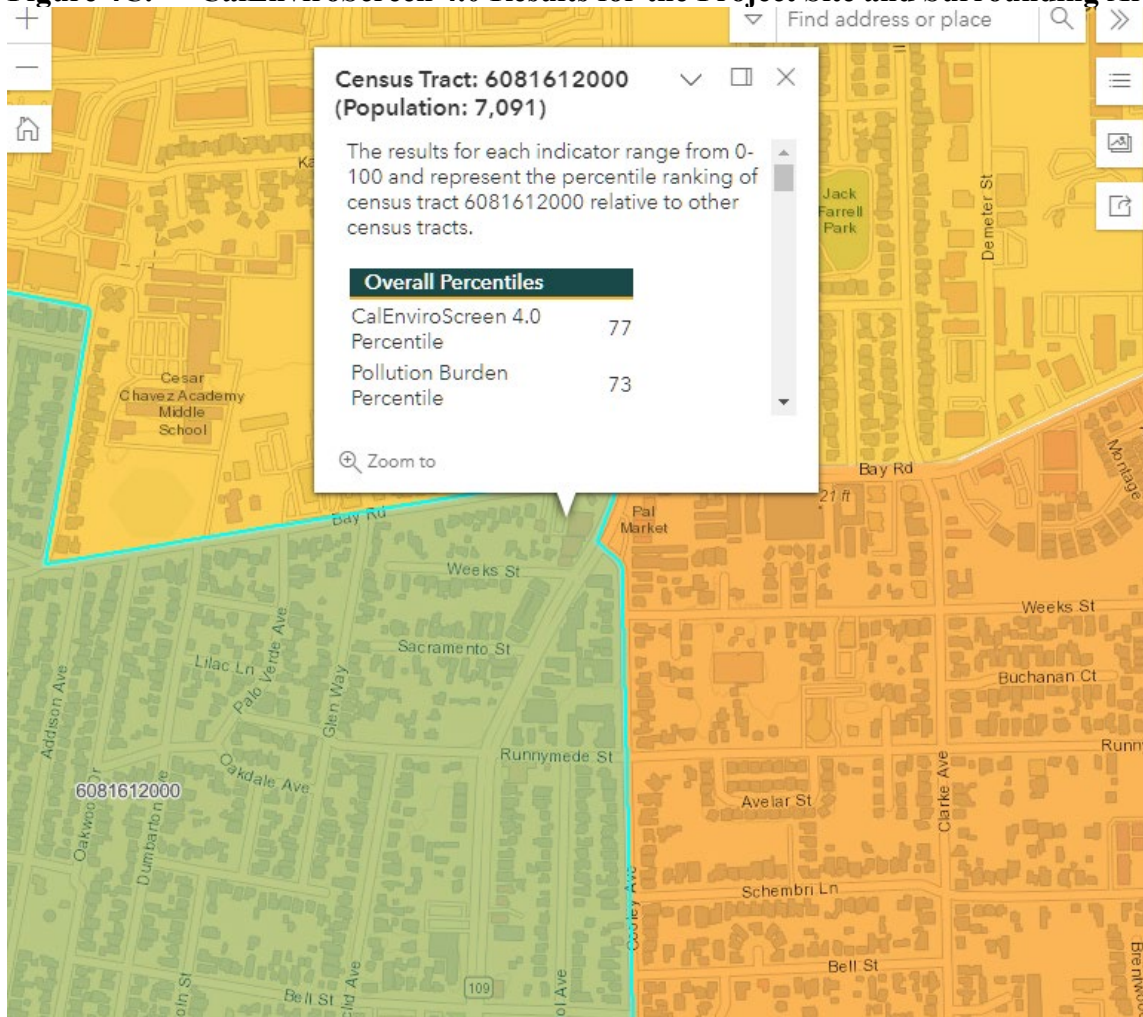


Figure 4C. CalEnviroScreen 4.0 Results for the Project Site and Surrounding Areas



PROJECT DESCRIPTION

The proposed Ravenswood SPU would increase the total amount of development allowed within the Specific Plan area by increasing the maximum square footages for office, research and development (R&D)/life science, light industrial, civic/community, and number of residential units allowed under the current Specific Plan. University Village, a single-family neighborhood located immediately east of University Avenue, is located within the current Specific Plan area, but would be removed in the SPU. Thus, no land use changes are proposed for the University Village neighborhood.

The Supplemental Environmental Impact Report (SEIR) being developed for the SPU evaluates two development scenarios:

- Scenario #1 consists of 2.82 million-sf of office and R&D and 1,350 residential units; and
- Scenario #2 consists of 3.35 million-sf of office and R&D and 1,600 residential units.

Compared to the current Specific Plan, the proposed update could result in increased allowable intensity and height for some land use designations, and a decreased allowable intensity and height

for others. Under both buildout scenarios, all proposed increases in nonresidential development square footage would occur on parcels within the Specific Plan Area that currently allow such nonresidential land uses. In contrast, the proposed Ravenswood SPU would allow for residential uses in more zones/parcels than what is allowed under the adopted 2013 Specific Plan.

Table 6 shows the proposed maximum amounts of development allowed under the two Ravenswood SPU scenarios as compared to the existing conditions and buildout totals allowed under the 2013 Specific Plan. Buildout of Scenario 1 is projected to accommodate 4,519 residents and 9,915 jobs, while Scenario 2 would accommodate 5,350 residents and 11,610 jobs. In comparison, the 2013 Specific Plan was expected to accommodate 2,793 residents and 4,851 jobs.

The proposed SPU also includes amendments to the East Palo Alto General Plan and Zoning Ordinance, that would change certain existing land use designations in the current Specific Plan Area and update existing or establish new development standards to replace current zoning provisions applicable to the Specific Plan area. The future exact allocation of that development will be determined by project-specific applications and approvals but will not exceed the totals allowed under the SPU SEIR.

Table 6: Development under Scenarios #1 and #2										
	Non-Residential (square feet)							Housing (dwelling units)		
	Office/ R&D	Office	R&D/ Lab	Light Industrial or Flex	Retail	Civic/ Community	Tenant Amenity	All	Multi- family	Single- family/ Townhouse
Existing Conditions (2022)	N/A	125,000	0	125,000	200,000	75,000	25,000	1,160	1,020	140
Existing Conditions to be Redeveloped under the Specific Plan update	N/A	65,000	0	35,000	25,000	0	0	100	100	0
Allowed Under Adopted 2013 Specific Plan	1,444,410	1,268,500	175,910	175,910	112,400	61,000	0	835	816	19
Reallocation										
	Office/ R&D	Office	R&D/ Lab	Light Industrial or Flex	Retail	Civic/ Community	Tenant Amenity	All	Multi- family	Single- family/ Townhouse
"No Project" Scenario	1,444,410	1,268,500	175,910	175,910	112,400	61,000	0	835	816	19
Scenario #1	2,824,000	1,835,600	988,400	250,000	112,400	154,700	43,870	1,350	1,270	80
<i>Net Change #1</i>	<i>+1,379,590</i>	<i>+567,100</i>	<i>+812,490</i>	<i>+74,090</i>	<i>0</i>	<i>+96,700</i>	<i>+43,870</i>	<i>+515</i>	<i>+454</i>	<i>+61</i>
Scenario #2	3,335,000	2,167,750	1,167,250	300,000	112,400	154,700	53,500	1,600	1,472	128
<i>Net Change #2</i>	<i>+1,890,590</i>	<i>+899,250</i>	<i>+911,340</i>	<i>+124,090</i>	<i>0</i>	<i>+93,700</i>	<i>+53,500</i>	<i>+765</i>	<i>+656</i>	<i>+109</i>

Land Use Zones

The Ravenswood SPU includes six land use zones: (1) 4 Corners, (2) Bay Road Central, (3) Ravenswood Employment Center, (4) Industrial Transition, (5) Waterfront Office, and (6) Urban Residential.

Open Space Areas

The Ravenswood SPU would provide 44 acres of parks and open space, including 30 acres of public parks and recreational facilities/amenities, and 14 acres of preserved/restored wetlands.

Streets Network

The proposed street network for the Specific Plan area would consist of existing streets (public and private) and new streets for vehicles and/or people who walk or bike. The 2013 Ravenswood/4 Corners TOD Specific Plan EIR assumed that a new “Loop” Road would be constructed as part of the project. The new roadway would extend northward from the current termination point of Demeter Street and would turn to the west to connect with University Avenue near the East Palo Alto city limits. The new Loop Road was intended to provide a direct route between the Plan Area and University Avenue. However, the feasibility and benefits of the Loop Road are uncertain, therefore the Ravenswood SPU was analyzed with and without the Loop Road.

AIR QUALITY IMPACTS AND PROPOSED SPECIFIC PLAN UPDATE POLICIES

Air pollutant emissions and associated health risks were predicted using emissions and dispersion models. *Attachment 1* includes a detailed description of the health risk modeling methodology used in this assessment. For construction and operational land use emissions, the latest version of the California Emissions Estimator Model (CalEEMod) Version 2020.4.0 was used to compute annual emissions, combined with motor vehicle emission factors produced by CARB’s latest version of the EMFAC model, EMFAC2021 Version 1.0.1. The model output from CalEEMod along with inputs are included as *Attachment 2* and EMFAC2021 vehicle emissions modeling outputs are included in *Attachment 3*. Dispersion modeling was conducted using the U.S. EPA’s AERMOD dispersion model.

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

BAAQMD, with assistance from Association of Bay Area Governments (ABAG) and the Metropolitan Transportation Commission (MTC), has prepared 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*.¹¹ The BAAQMD has also developed CEQA guidelines to assist lead agencies in evaluating the significance of air quality impacts. In formulating compliance strategies, BAAQMD relies on planned land uses established by local general plans. Land use

¹¹ Bay Area Air Quality Management District (BAAQMD), 2017. *Final 2017 Clean Air Plan*.

planning affects vehicle travel, which in turn affects region-wide emissions of air pollutants and GHGs.

Consistency of the SPU with Clean Air Plan control measures is demonstrated by assessing whether the proposed SPU implements the applicable Clean Air Plan control measures. The 2017 Clean Air Plan includes control measures that are intended to reduce air pollutant emissions in the Bay Area either directly or indirectly. The control measures are divided into five categories that include:

- 40 measures to reduce stationary and area sources;
- 8 mobile source measures;
- 23 transportation control measures (including land use strategies);
- 4 building sector measures;
- 2 energy sector measures;
- 4 agriculture sector measures;
- 3 natural and working lands measures;
- 4 waste sector measures;
- 2 water sector measures; and
- 3 super-GHG pollutants measures.

In developing the control measures, BAAQMD identified the full range of tools and resources available, both regulatory and non-regulatory, to develop each one. This approach relies upon lead agencies to assist in implementing some of the control measures. A key tool for local agency implementation is the development of land use policies and implementing measures that address new development or redevelopment in local communities. To address this impact, the SPU's effect on implementing the Clean Air Plan is evaluated based on consistency with Clean Air Planning projections (i.e., rate of increase in population versus vehicle travel).

Consistency with Clean Air Plan Projections

The BAAQMD, with assistance from ABAG and MTC, has prepared and implemented the Clean Air Plan to meet the applicable laws, regulations, and programs. 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 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 GHG.

Table 7 provides the Ravenswood SPU population and traffic conditions for existing and future build out conditions. Land use and zoning changes to accommodate the Ravenswood SPU under each proposed scenario would result in an increase of new jobs and the addition of new residents to the area. Compared to existing conditions, the proposed Ravenswood SPU under each scenario would increase daily trip traffic which results in additional daily vehicle miles traveled (VMT). BAAQMD CEQA Guidelines recommend considering the increase in the rate of population compared to the rate of traffic (e.g., VMT or trips) for evaluating the significance of air quality

impacts associated with the SPU. The increased VMT with respect to population growth under the Ravenswood SPU would be a significant impact when compared to the existing conditions because the rate of VMT per service population increases under all of the SPU scenarios.

However, the Ravenswood FEIR for the Adopted 2013 Specific Plan also had a significant and unavoidable impact because the Adopted 2013 Specific Plan would increase VMT at a greater rate than population growth. As shown in Table 7, the Proposed Ravenswood SPU Scenarios #1 and #2 have a greater net change compared to existing conditions for the VMT service population rate than the baseline scenario. This means that impacts under the Proposed Ravenswood SPU Scenarios #1 and #2 would be greater than that of the Adopted 2013 Specific Plan.

Table 7. Ravenswood/4 Corners Specific Plan Update Traffic and Population Projections

Scenario	Population	Jobs	Service Population	Daily VMT (with and without the loop road)
Existing Development	32,278	4,626	36,904	466,222
Allowed Development under the Adopted 2013 Specific Plan	2,894	5,366	8,260	118,243
<i>Rate of Growth</i>			+22%	+25%
Allowed Development under the Proposed Ravenswood SPU Scenario #1	4,519	9,914	14,433	191,460
<i>Rate of Growth</i>			+39%	+41%
Allowed Development under the Proposed Ravenswood SPU Scenario #2	5,352	11,609	16,691	216,157
<i>Rate of Growth</i>			+45%	+46%

Consistency with Clean Air Plan Control Measures

The BAAQMD CEQA Air Quality Guidelines establish criteria for determining consistency with the Clean Air Plan control measures. In general, a plan is considered consistent if a) the plan supports the primary goals of the Clean Air Plan; b) includes control measures; and c) does not interfere with implementation of the Clean Air Plan measures. Growth under the SPU is considered sustainable since it is a plan for infill development that would be transit-oriented and located near a mix of uses that include employment and services. The Ravenswood SPU would add housing to the area that is currently predominantly commercial and industrial uses. The City of East Palo Alto relies on measures in its adopted Climate Action Plan (CAP) to guide new development to meet GHG reduction goals. These goals are also in line with Clean Air Plan control measures. The development in the Ravenswood area under the proposed SPU is consistent with the City’s General Plan and would generally be consistent with Clean Air Plan measures intended to reduce automobile and energy use. Table 8 lists those Clean Air Plan measures relevant to the SPU and indicates consistency between the City’s General Plan and the Clean Air Plan.

Table 8. BAAQMD Control Strategy Measures from the Clean Air Plan

Applicable BAAQMD Control Strategy Measures	Consistency
Transportation Control Measures	
TR1: Clean Air Teleworking Initiative	Consistent Supported by General Land Use and Urban Design policy LU 2.19.
TR2: Trip Reduction Programs	Consistent Supported by General Plan Transportation policies T-3 3.1 T-5 5.1, 5.2, 5.3, 5.6, 5.9, T-7 7.1, 7.2, and T-8 8.1, 8.2 as well as Land Use and Urban Design policy LU-2 2.19.
TR 5: Transit Efficiency and Use	Consistent While this is mostly a regionally implemented control measure, General Plan Land Use and Urban Design policies LU-13 13.12, LU-17 17.10, as well as Transportation policies T-5 5.1, 5.2, 5.3, 5.4, 5.5, 5.6, 5.8, and 5.9 and T-7 7.3. Also supported by CAP measure TL-2.1.
TR7: Safe Routes to Schools and Safe Routes to Transit	Consistent Supported by General Plan Land Use and Urban Design policy LU-8 8.8 and Health and Equity policies HE-5 5.1, 5.2, 5.4. Also supported by Transportation policies T-1 1.3, T-4 4.1 and CAP measure TL-3.2
TR8: Ridesharing, Last-Mile Connection	Consistent Supported by General Plan Transportation policy T-5 5.4 and CAP measure TL-2.1 and TL-2.2.
TR9: Bicycle and Pedestrian Access and Facilities	Consistent Supported by General Plan Land Use and Urban Design policies LU-2 2.15, LU-8 8.8, LU-9 9.1, LU-17 17.3, 17.5, 17.13, as well as Transportation policies T-2 2.2, 2.6, 2.18, T-3 3.3, T-4 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, and 4.8. Also supported by CAP measure TL-3.1.
TR10: Land Use Strategies	Consistent Supported by General Plan Land Use and Urban Design policies LU-1 1.1, 1.5, 1.6 as well as Health and Equity policy HE-10 10.1. Also supported by CAP measures TL-1.1, TL-1.2.
TR13: Parking Policies	Consistent Supported by General Plan Transportation policies T-6 6.1, 6.2, 6.3, 6.4, T-9 9.2, 9.7 as well as Land Use and Urban Design policies LU-2 2.10, LU-13 13.10, and LU-14 14.11.
Building Control Measures	

Applicable BAAQMD Control Strategy Measures	Consistency
BL1: Green Buildings	Consistent Supported by General Plan Land Use Urban Design policies LU-4 4.5 as well as Parks Open Space, and Conservation policies POC-7 7.1, 7.2, 7.4, POC-8 8.4, 8.8, 8.9, 8.10, 8.11 along with CAP measures E-1.1, E-1.2, and MU-1.3.
BL2: Decarbonize Buildings	Consistent Supported by General Plan Land Use and Urban Design policies LU-4 4.5, as well as Parks, Open Space and Conservation policies POC-7 7.1, 7.2, 7.3, 7.4, and POC-8 8.4, 8.9. Also supported by CAP measures E-1.4, E-2.1, E-2.2, MU-1.2, and MU-1.3.
BL4: Urban Heat Island Mitigation	Consistent Supported by General Plan Parks, Open Space and Conservation policies POC-8 8.2, 8.3 as well as CAP measure TL-4.1.
Natural and Working Lands Control Measures	
NW2: Urban Tree Planting	Consistent Supported by General Plan Land Use and Urban Design policies LU-9 9.9, 9.10, LU-15 15.2 as well as Parks, Open Space and Conservation policies POC-6 6.2, 6.3, 6.4, and POC-8 8.2.
Waste Management Control Measures	
WA4: Recycling and Waste Reduction	Consistent Supported by General Plan Health and Equity policy HE-10 10.5, as well as Parks, Open Space and Conservation policies POC-8 8.12, POC-9 9.11 and Infrastructure, Services and Facilities policies ISF-4 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9. Also supported by CAP measures W-1.1, W-2.1, W-2.2, and W-3.1.
Water Control Measures	
WR2: Support Water Conservation	Consistent Supported by General Plan Infrastructure, Services, and Facilities ISF-1 1.2, 1.4, 1.5, 1.8, ISF-2 2.1, 2.2, 2.4, 2.6, 2.8, 2.9, 2.10, 2.11, 2.12, 2.13 as well as CAP Measure E-1.3.

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

The Bay Area is considered a nonattainment area for ozone and PM_{2.5} under both the NAAQS and the CAAQS and nonattainment for PM₁₀ under the CAAQS only. The area has attained the NAAQS and CAAQS for CO. As part of an effort to attain and maintain the NAAQS/CAAQS for ozone and PM₁₀, the BAAQMD has established CEQA thresholds of significance for these air

pollutants and their precursors (ROG, NO_x, PM₁₀, and PM_{2.5}). These thresholds apply to both construction period and operational period impacts. The quantified thresholds identified by BAAQMD apply only to projects.

Construction Emissions

Build-out of the proposed Ravenswood SPU would result in temporary emissions from construction activities associated with subsequent development, including demolition, site grading, asphalt paving, building construction, and architectural coating. Emissions commonly associated with construction activities include fugitive dust from soil disturbance, fuel combustion from mobile heavy-duty diesel- and gasoline-powered equipment, portable auxiliary equipment, and worker commute trips.

Fugitive dust, the dominant source of PM₁₀ and PM_{2.5} emissions during construction, is generated when wheels or blades disturb surface materials. Sources of fugitive dust 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. Uncontrolled dust from construction activities can become a nuisance and potential health hazard to those living and working nearby.

Exhaust emissions include those from construction equipment (i.e., off-road) and traffic (on-road vehicles and trucks). Off-road construction equipment is often diesel-powered and can be a substantial source of NO_x emissions, in addition to PM₁₀ and PM_{2.5} emissions. Architectural coatings and application of asphalt pavement are dominant sources of ROG emissions. The potential health risk impacts from construction is addressed under Impact 3.

Emissions associated with all of the projects that would be constructed under the Ravenswood SPU would exceed the significance thresholds. However, the pollutant emissions thresholds for construction contained in BAAQMD's CEQA Air Quality Guidelines only apply to projects and not plans. Buildout of the Ravenswood SPU would consist of numerous construction projects that would occur at various times over the next 20 years. The details of these individual construction projects are not available to make valid estimates of construction emissions impacts for the Ravenswood SPU. Therefore, project construction emissions should be analyzed individually and compared to BAAQMD thresholds .

Ravenswood SPU AQ-1: Require Future Construction Projects to Estimate Construction Period Emissions. Projects shall estimate construction period emissions using modeling methodologies recommended by BAAQMD and approved by the City.

Average daily emissions predicted for construction projects shall be estimated and compared against Project level thresholds identified in Table 3. Projects that have emissions exceeding the BAAQMD CEQA thresholds shall implement appropriate measures to achieve emissions that are below the thresholds.

Ravenswood SPU AQ-2: Implement appropriate measures recommended by BAAQMD to reduce construction period emissions. Measures to reduce DPM and PM₁₀ from construction are recommended to ensure that short-term health impacts to nearby sensitive receptors are avoided. BAAQMD recommends basic construction mitigation measures for all projects and additional enhanced measures for projects with construction emissions above significance thresholds.

The BAAQMD's CEQA Air Quality Guidelines consider construction impacts to be less-than-significant if best management practices (BMPs) are implemented to reduce fugitive dust emissions and construction related exhaust emissions. Implementation of BAAQMD's BMPs are required by the City's General Plan and included as a mitigation measure in the General Plan EIR.

BAAQMD's Basic Construction BMPs

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. All construction equipment shall be maintained and properly tuned in accordance with manufacturer's specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation.
7. Post a publicly visible sign with the telephone number and person to contact at the Lead Agency regarding dust complaints. This person shall respond and take corrective action within 48 hours. The Air District's phone number shall also be visible to ensure compliance with applicable regulations.

BAAQMD's Enhanced Construction BMPs

1. All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be watered at a frequency adequate to maintain minimum soil moisture of 12 percent. Moisture content can be verified by lab samples or moisture probe.
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 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. All construction equipment shall be maintained and properly tuned in accordance with manufacturer's specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation.
7. Post a publicly visible sign with the telephone number and person to contact at the Lead Agency regarding dust complaints. This person shall respond and take corrective action within 48 hours. The Air District's phone number shall also be visible to ensure compliance with applicable regulations.
8. All excavation, grading, and/or demolition activities shall be suspended when average wind speeds exceed 20 mph and visible dust extends beyond site boundaries.
9. Wind breaks (e.g., trees, fences) shall be installed on the windward side(s) of actively disturbed areas of construction adjacent to sensitive receptors. Wind breaks should have at maximum 50 percent air porosity.
10. Vegetative ground cover (e.g., fast-germinating native grass seed) shall be planted in disturbed areas as soon as possible and watered appropriately until vegetation is established.
11. The simultaneous occurrence of excavation, grading, and ground-disturbing construction activities on the same area at any one time shall be limited. Activities shall be phased to reduce the amount of disturbed surfaces at any one time.
12. Avoid tracking of visible soil material on to public roadways by employing the following measures if necessary: (1) Site accesses to a distance of 100 feet from public paved roads shall be treated with a 6 to 12-inch compacted layer of wood chips, mulch, or gravel and (2) washing truck tires and construction equipment of prior to leaving the site.
13. Sandbags or other erosion control measures shall be installed to prevent silt runoff to public roadways from sites with a slope greater than one percent.

Effectiveness of Ravenswood SPU AQ-1 and AQ-2:

These measures are consistent with recommendations in the BAAMQD CEQA Guidance for basic and enhanced measures to control construction emissions from projects. All projects shall implement BAAQMD's basic BMPs. The need for enhanced measures shall be determined through a project-level construction emissions analysis as required by AQ-1.

Ravenswood SPU AQ-3: Use Construction equipment that has zero or low diesel particulate matter exhaust and NO_x emissions.

Implement additional controls to reduce emissions for projects with construction emissions exceeding thresholds. Equipment exhaust emission (NO_x and PM) control measures include:

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 NO_x and PM (PM₁₀ 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 2 or 3 engines and include particulate matter emissions control equivalent to CARB Level 3 verifiable diesel emission control devices that altogether achieve a 85-percent reduction in particulate matter exhaust in comparison to uncontrolled equipment; alternatively (or in combination).
 - b. Use of alternatively fueled equipment with lower NO_x emissions that meet the NO_x and PM reduction requirements above.
 - c. Special equipment that cannot meet the above requirements must be approved as exempt by the City after considering reasons for requesting an exemption.
2. Use electric equipment such as aerial lifts, air compressors, cement mortar mixers, concrete/industrial saws, cranes, and welders.
3. Diesel engines, whether for off-road equipment or on-road vehicles, shall not be left idling for more than 2 minutes, except as provided in exceptions to the applicable state regulations (e.g., traffic conditions, safe operating conditions). The construction sites shall have posted legible and visible signs in designated queuing areas and at the construction site to clearly notify operators of idling limit.
4. Provide line power to the site during the early phases of construction to minimize the use of diesel-powered stationary equipment.
5. The City shall encourage the use of zero emission construction equipment.

Effectiveness of Ravenswood SPU AQ-3:

In general, a construction project using construction equipment with engines that meet Tier 4 Final emissions standards reduce ROG emissions by about 5 percent, NO_x emissions by over 50 percent, and PM₁₀ exhaust emissions by over 80 percent when compared to equipment that reflects the statewide fleet.

Ravenswood SPU AQ-4: Require use of low VOC coatings to reduce ROG emissions.

Projects with ROG emission that exceed thresholds 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 80 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 80 percent of coatings applied 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.¹²

Effectiveness of Ravenswood SPU AQ-4

The effectiveness of Ravenswood SPU AQ-4 could reduce ROG coating emissions by 70 percent with Ravenswood SPU AQ-4 using 80 percent interior and exterior super-compliant VOC coatings.

Significance After Implementation of Ravenswood SPU AQ-1, AQ-2, AQ-3, and AQ-4

The impact would be considered less-than-significant with the implementation of the above mitigation. Given that specific construction details are not available at this time to properly model emissions, future projects in Ravenswood SPU area would be required to complete supplemental environmental review with a construction criteria pollutant emissions analysis to identify impacts and include measures to reduce emissions below the applicable BAAQMD construction thresholds.

Operational Buildout Emissions

Air emissions from the implementation of the Ravenswood SPU would be generated primarily from autos driven by future residents, employees, customers, and vendors and evaporative emissions from architectural coatings and maintenance products (classified as consumer products). CalEEMod Version 2020.4.0 was used to estimate emissions from operation of the proposed project assuming full buildout.

¹² SCAQMD: <http://www.aqmd.gov/home/regulations/compliance/architectural-coatings/super-compliant-coatings>

CalEEMod Land Uses

CalEEMod modeling scenarios were developed for existing uses (year 2022), the adopted Specific Plan (baseline or No Project scenario), and the scenarios proposed by the Ravenswood SPU for the buildout year 2040 were developed for. Inputs are summarized in Table 9.

Table 9. Operational Land Uses Entered into CalEEMod

Project Land Uses	Size	Units
Existing Uses (Year 2022)		
General Office Building	125.00	1,000-sf
Government (Civic Center)	75.00	1,000-sf
City Park	0.57	Acres
Regional Shopping Center	200.00	1,000-sf
Apartments Mid Rise	1,020	Dwellings
Single Family Housing	140	Dwellings
Adopted 2013 Specific Plan (No Project)		
General Office Building	1,235.65	1,000-sf
Government (Civic Center)	29.89	1,000-sf
General Office Building	23.18	1,000-sf
Research & Development	176.00	1,000-sf
Library	4.58	1,000-sf
General Heavy Industry	179.18	1,000-sf
City Park	30.00	Acres
Fast Food Restaurant w/o Drive Thru	18.10	1,000-sf
High Turnover (Sit Down Restaurant)	12.59	1,000-sf
Quality Restaurant	8.65	1,000-sf
Apartments Mid Rise	816	Dwellings
Single Family Housing	19	Dwellings
Regional Shopping Center	73.06	1,000-sf
Proposed Ravenswood SPU Scenario #1		
General Office Building	1,802.95	1,000-sf
Government (Civic Center)	75.80	1,000-sf
General Office Building	58.79	1,000-sf
Research & Development	988.40	1,000-sf
Library	11.60	1,000-sf
General Heavy Industry	263.51	1,000-sf
City Park	30.00	Acres
Fast Food Restaurant w/o Drive Thru	18.10	1,000-sf
High Turnover (Sit Down Restaurant)	12.59	1,000-sf
Quality Restaurant	8.65	1,000-sf
Apartments Mid Rise	1,270	Dwellings
Single Family Housing	80	Dwellings
Regional Shopping Center	73.06	1,000-sf
Proposed Ravenswood SPU Scenario #2		
General Office Building	2,135.10	1,000-sf
Government (Civic Center)	75.80	1,000-sf
General Office Building	58.79	1,000-sf
Research & Development	1,167.25	1,000-sf
Library	11.60	1,000-sf
General Heavy Industry	333.51	1,000-sf
City Park	30.00	Acres
Fast Food Restaurant w/o Drive Thru	18.10	1,000-sf

Project Land Uses	Size	Units
High Turnover (Sit Down Restaurant)	12.59	1,000-sf
Quality Restaurant	8.65	1,000-sf
Apartments Mid Rise	1,520	Dwellings
Single Family Housing	80	Dwellings
Regional Shopping Center	73.06	1,000-sf

Trip Generation and VMT Rates

CalEEMod allows the user to enter specific vehicle trip generation rates. Daily trip generation rates provided by the traffic consultant were entered into the model.¹³ The traffic report provided trip rates for total trips per day for the Adopted 2013 Specific Plan (No Project), Proposed Ravenswood SPU Scenario #1, and Proposed Ravenswood SPU Scenario #2. These were assumed to be weekday trips. Weekend trip rates were calculated based on the ratio CalEEMod predicted weekday to Saturday and Weekday to Sunday trips. Average trip lengths were input based on the VMT forecasted in the Traffic Study for each scenario, with and without the proposed loop road. The trip generation rates and VMT provided in the traffic study reflect TDM requirements.

CT-EMFAC2021

This analysis involved the use of the CARB EMFAC2021 emissions model, known as CT-EMFAC2021. CT-EMFAC2021 provides emission factors for mobile source criteria pollutants and TACs. Emission processes modeled include running exhaust for DPM, PM_{2.5}, reactive organic compounds (ROG), and nitrogen oxides (NO_x). 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 from re-entrained roadway dust were included in these emissions.

Inputs to the model include region (San Mateo County), type of road (major/collector), traffic mix assigned by CT-EMFAC2021 for the county, truck percentage for non-state highways in San Mateo County (3.13 percent),¹⁴ year of analysis (2020 and 2040), and season (annual). Using these inputs, CT-EMFAC generates emission factors in 5 mph speed bins ranging between 0 and 70+ mph. The emission factor generated for each speed bin was matched with the VMT quantities provided by the project's traffic consultant for each individual speed bin to calculate total emissions for each pollutant mentioned above.

Energy

CalEEMod defaults for energy use were used, which include the 2019 Title 24 Building Standards. Peninsula Clean Energy (PCE) is the official electricity provider for East Palo Alto and San Mateo County. Buildings within the Ravenswood SPU area were assumed to be powered by electricity using PCE as the default provider. The model has a default rate of 0 pounds of CO₂ per megawatt of electricity produced, which is based on PCE's 2019 emissions rate.

¹³ Hexagon Transportation Consultants, Inc., Ravenswood Specific Plan Update Transportation Analysis, March 7, 2023.

¹⁴ Bay Area Air Quality Management District, 2023, Appendix E of the *BAAQMD CEQA Guidance*. April.

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 3.¹⁵ Therefore, the number of woodstoves and woodburning fireplaces in CalEEMod were set to zero.

Water Usage and Wastewater

CalEEMod's default water usage rates for the various land uses were used and are based on 2008 statewide averages. Water/wastewater use was changed to 100 percent aerobic conditions to represent the City's wastewater treatment plant conditions. The SPU area would not send wastewater to septic tanks or facultative lagoons.

Solid Waste

CalEEMod default values were adjusted to reflect current and future waste generation rates. From 2008 to 2016, the per person rate of waste disposed has decreased from 4.1 pounds per person to 3.6 pounds. Altogether, this represents a 15 percent decrease in the rate of solid waste generation. Waste diversion is anticipated to increase by at least another 5 percent by diverting food scraps from the landfills.

Existing Uses

Emissions associated with existing uses in the Ravenswood SPU are not included in Tables 10 and 11 and, therefore, are not being netted out of the operational emissions. This is being done to be conservative and to be consistent with the traffic analysis for the plan area.

Summary of Computed Operational Emissions

Adopted 2013 Specific Plan (No Project), Proposed Ravenswood SPU Scenario #1 (with and without loop road), and Proposed Ravenswood SPU Scenario #2 (with and without loop road) were computed using CalEEMod. Average daily emissions were calculated assuming 365 days of emissions per year.

As shown in Table 10 and Table 11, buildout emissions would exceed the BAAQMD Project-Level significance thresholds for ROG, NO_x, and PM₁₀ for the Proposed Ravenswood SPU Scenarios #1 and #2.

The addition of residences proposed by the Ravenswood SPU would greatly increase consumer product ROG emissions. Additional building square footage increases the use of architectural

¹⁵ 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

coatings used (e.g., painting) that also would increase ROG emissions. As a result, ROG emissions from the Ravenswood SPU area increase at maximum (i.e., compared to the Proposed Ravenswood SPU Scenarios #1 with no Loop Road) by about 200 percent over existing emissions.

The additional vehicles driven on the Ravenswood SPU roadways from a full project build-out greatly increases the NO_x and PM₁₀ emissions. More vehicles on the Ravenswood SPU roadways means more VMT generated by the project, which equates to higher emissions.

When comparing Buildout emissions to BAAQMD Project-Level thresholds, the SPU would be considered to have a significant impact. Implementation of Mitigation Measure AQ-4 for projects in the SPU area would reduce the impact, but not to less-than-significant levels. There is no feasible mitigation measure to ensure consumer products (such as inks, coatings, and adhesives) used by future residents and tenants would be low in VOCs. These are primarily emissions that are directly related to the size of a development. The project's mobile ROG, NO_x, and PM₁₀ emissions from office, commercial, and residential uses would be reduced to the maximum extent feasible through the TDM measures proposed by the project and required per the Ravenswood SPU as described in the TDM Plan. Some of the reduction in mobile ROG, NO_x, and PM₁₀ emissions from TDM are already reflected in the project emissions reported in Table 10 and Table 11. For these reasons, operational ROG, NO_x, and PM₁₀ emissions from the Ravenswood SPU are conservatively assumed to be *significant and unavoidable*.

Table 10. Unmitigated Annual Buildout Emissions

Scenario	ROG	NOx	PM ₁₀	PM _{2.5}
<i>Emissions Per Year (Tons)</i>				
Unmitigated 2040 Adopted 2013 Specific Plan (No Project) Loop Annual Operational Emissions (tons/year)	19.98	10.07	11.42	2.36
Unmitigated 2040 Proposed Ravenswood SPU Scenario #1 Loop Annual Operational Emissions (tons/year)	34.22	16.80	18.75	3.90
Unmitigated 2040 Proposed Ravenswood SPU Scenario #1 No Loop Annual Operational Emissions (tons/year)	34.28	16.89	18.85	3.93
Unmitigated 2040 Proposed Ravenswood SPU Scenario #2 Loop Annual Operational Emissions (tons/year)	39.58	19.10	21.19	4.43
Unmitigated 2040 Proposed Ravenswood SPU Scenario #2 No Loop Annual Operational Emissions (tons/year)	39.62	19.19	21.28	4.45
<i>BAAQMD Project-Level Thresholds (tons /year)</i>	10 tons	10 tons	15 tons	10 tons
Exceed Project-Level Threshold? Unmitigated	Yes	Yes	Yes	No

Table 11. Unmitigated Buildout Emissions

Scenario	ROG	NOx	PM ₁₀	PM _{2.5}
<i>Annualized Daily Emissions (pounds/day)¹</i>				
Unmitigated 2040 Adopted 2013 Specific Plan (No Project) Loop Annual Operational Emissions (lbs./day)	109.49	55.18	62.58	12.94
Unmitigated 2040 Proposed Ravenswood SPU Scenario #1 Loop Annual Operational Emissions (lbs./day)	187.53	92.04	102.72	21.39
Unmitigated 2040 Proposed Ravenswood SPU Scenario #1 No Loop Annual Operational Emissions (lbs./day)	187.83	92.56	103.26	21.51
Unmitigated 2040 Proposed Ravenswood SPU Scenario #2 Loop Annual Operational Emissions (lbs./day)	216.85	104.67	116.13	24.26
Unmitigated 2040 Proposed Ravenswood SPU Scenario #2 No Loop Annual Operational Emissions (lbs./day)	217.11	105.17	116.59	24.36
<i>BAAQMD Project-Level Thresholds (lbs/day)</i>	54 lbs.	54 lbs.	82 lbs.	54 lbs.
Exceed Project-Level Threshold? Unmitigated	Yes	Yes	Yes	No
Notes: ¹ Assumes 365-day operation.				

Effectiveness of Ravenswood SPU AQ-4 on Buildout Emissions.

To reduce the impact of ROG emissions from architectural coatings, the project would be required to use super compliant VOC coatings. It is assumed that only the initial application of coatings could be fully controlled through this mitigation measure since future occupants may independently choose their own architectural coatings. Low VOC interior coatings were assumed to have a 50-percent reduction. Thus, implementation of Ravenswood SPU AQ-4 would reduce total buildout ROG emissions by about 5 percent. While it is feasible and enforceable for the City to require super compliant VOC coatings be applied during construction, the City cannot ensure that future occupants or tenants will use super compliant VOC coatings during reapplication.

Ravenswood SPU AQ-5: All diesel standby emergency generators powered by diesel fuel shall meet U.S. EPA Tier 4 engine standards.

Permanent stationary emergency generators installed on-site shall have engines that meet or exceed U.S. EPA Tier 4 standards for particulate matter emissions.

Effectiveness of Ravenswood SPU AQ-5 on Operational Emissions.

There are no specific details available that identify the use of diesel generators, therefore, the emissions caused by this equipment cannot be quantified and were not included in the CalEEMod analysis. The primary pollutant emitted by generators is NO_x, which is estimated to be below BAAQMD's CEQA project-level threshold. Implementation of this mitigation measure would ensure that NO_x and DPM emissions are reduced by 85 percent compared to Tier 2 engines that could be allowed.

Significant Emissions from SPU Buildout

When evaluated using the project-level thresholds contained in the 2017 version of the BAAQMD CEQA Air Quality Guidelines, buildout of the SPU would have significant emissions of ozone precursor pollutants (i.e., ROG & NO_x) and PM₁₀ during operation. These emissions cannot be feasibly reduced further, as the proposed Ravenswood SPU scenarios include all reasonable and feasible features and mitigation measures to minimize these emissions. Such features include a mix-use project near transit, implementation of an enhanced TDM plan, and mitigation measures to reduce evaporative ROG emissions from architectural coatings. Emissions of ROG associated with consumer product usage is the overwhelming contributor to ROG emissions associated with the SPU buildout. NO_x and PM₁₀ emissions are primarily from vehicles, specifically their exhaust, fugitive road dust, brake wear, and tire wear. These emissions cannot be controlled to a level of less-than-significant by the proposed Ravenswood SPU.

Significant emissions of these pollutants result in a cumulatively considerable net increase of criteria pollutants for which the region is in nonattainment under an applicable ambient air quality standard. Because the SPU buildout would have emissions of ROG and NO_x that would exceed BAAQMD's project-level emission-based significance thresholds, the project would result in a cumulatively considerable net increase in pollutant emissions that contribute to elevated ozone concentrations that exceed ambient air quality standards.

Airborne particulate matter (PM) concentrations found in the Bay Area are not a single pollutant, but rather is a mixture of many chemical species. It is a complex mixture of solids and aerosols composed of small droplets of liquid, dry solid fragments, and solid cores with liquid coatings. Those with a diameter of 10 microns or less (PM₁₀) are inhalable into the lungs and can induce adverse health effects like coughing, wheezing, asthma attacks, heart attack, and more. These impacts are mostly likely to affect the elderly and the very young. In our climate, particulate matter can both warm and cool our climate depending on the mixture emitted into the atmosphere. Further, particulate matter from metal and organic compounds can alter plant growth and yield. Emissions of particulate matter in the Bay Area contribute to these effects both in the Bay Area and for miles downwind. While emissions of particulate matter have been reduced in the Bay Area

in recent decades, further reduction is necessary to continue the improvements seen in the public health benefits in the Bay Area¹⁶.

As previously stated, air pollution by its nature is largely a cumulative impact. No single project is sufficient in size to, by itself, result in nonattainment of ambient air quality standards. Instead, a project’s individual emissions contribute to existing cumulatively significant adverse air quality impacts. If a project’s contribution to the cumulative impact is considerable, then the project’s impact on air quality is considered significant. In developing CEQA thresholds of significance for air pollutants, BAAQMD considered the emission levels for which a project’s individual emissions would be cumulatively considerable. If a project exceeds the identified significance thresholds, its emissions would be cumulatively considerable, resulting in significant adverse air quality impacts to the region’s existing air quality conditions.

By comparing emissions from the SPU buildout to those of the airshed, one gets the sense of the magnitude of the project effects on regional air quality. In terms of each exceeding pollutant, unmitigated Ravenswood SPU buildout emissions are a small portion of the region’s total emissions, representing 0.04 percent, 0.04 percent, and 0.06 percent for each respective pollutant as shown in Table 12. Thus, the effect of the SPU would not cause regional ROG, NO_x, and PM₁₀ levels to measurably change. As a result, the project would not measurably increase ozone levels. Therefore, the health effects associated with the SPU would not be measurable. However, buildout of the SPU would increase ROG, NO_x, and PM₁₀ emissions above the BAAQMD’s project-level thresholds, making those impacts cumulatively considerable, resulting in significant adverse air quality impacts to the region’s existing air quality conditions.

Table 12. Comparison of Project Emissions to Air Basin Emissions¹⁷

Scenario	ROG	NO _x	PM ₁₀
Bay Area Air Basin in 2020	238 tons/day	172 tons/day	90 tons/day
Bay Area Air Basin in 2035 ¹	238 tons/day	140 tons/day	98 tons/day
Unmitigated Maximum Project Operation Scenarios	0.11 tons/day (40 tons/year)	0.05 tons/day (19 tons/year)	0.06 tons/day (21 tons/year)
% of Basin in 2035-40	0.04%	0.04%	0.06%

¹ CARB emission inventories are only reported out to year 2035, which is the closest year of analysis to proposed Project operational year.

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

To address exposure of sensitive receptors to substantial pollutant levels, the BAAQMD CEQA Guidelines developed thresholds that address health risks. These include increased cancer risk, non-cancer hazards, and increased annual concentrations of PM_{2.5}. Diesel particulate matter (DPM) is the predominant TAC in the area.

¹⁶ Understanding Particulate Matter: Protecting Public Health in the San Francisco Bay Area. URL: https://www.baaqmd.gov/~media/Files/Planning%20and%20Research/Plans/PM%20Planning/ParticulatesMatter_Nov%207.ashx

¹⁷ CARB. 2024. CEPAM2019v1.03 Emission Projection Data. See <https://ww2.arb.ca.gov/applications/emissions-user-defined-query> accessed May 21, 2024 to estimate year 2020 and 2035 emissions.

As previously described, the East Palo Alto General Plan Update FEIR includes a mitigation measure requiring project-level construction health risk assessments. This would apply to projects in the SPU.

Individual projects within the SPU area would introduce new sources of TACs with the potential to adversely affect existing sensitive receptors in the vicinity of the SPU area or by significantly exacerbating existing cumulative TAC impacts. Construction activity would generate dust and equipment exhaust that would affect nearby sensitive receptors. Operation of the new Ravenswood SPU developments would increase traffic in the area that would increase the air pollutant and TAC emissions in the area. In addition, the new buildings may include the installation of emergency generators powered by diesel engines and cooling towers that would also have TACs and air pollutants emissions.

Health risk impacts to existing sensitive receptors were addressed qualitatively for temporary construction activities since specific construction plans and schedules for projects in the Ravenswood SPU are not available. Health risk from long-term operation was based on traffic increases by modeling the impact from the primary roadways that are near sensitive receptors. Individual development projects may include stationary sources of emissions such as generators and cooling towers. However, the land uses that utilize these sources would not be located near existing sensitive receptors. Furthermore, these types of sources would be required to obtain permits from BAAQMD and undergo project-level health risk analyses.

There are several sources of existing TACs and PM_{2.5} within and near the Ravenswood SPU area. The risks associated with these existing pollutant sources were assessed.

Health Risks from Project Construction

Subsequent activities associated with implementation of the Ravenswood SPU would include construction projects that would be sources of TACs. Existing sensitive receptors are located west and south of the Ravenswood SPU area. Buildout of Ravenswood SPU would also introduce new sensitive receptors that would be exposed to emissions from construction activity.

Health risks to nearby off-site and future on-site sensitive receptors associated with temporary construction near Ravenswood SPU are considered *potentially significant*. Construction equipment and associated heavy-duty truck traffic generates diesel exhaust, which is a known TAC. The construction exhaust emissions may pose community risks for sensitive receptors such as nearby residents. The primary health risks associated with construction emissions are cancer, exposure to PM_{2.5}, and non-cancer health hazards. Diesel exhaust (i.e., DPM) poses both a potential health risk and nuisance impact to nearby receptors. A health risk assessment specific to each project are needed to determine these impacts. Since specific construction plans and schedules for each project in the SPU area are not known, it is not possible to quantify the impacts and determine their significance. The existing mitigation measures identified in the City's general Plan and those in the current Specific Plan would be incorporated into construction plans (e.g., site watering, equipment selection, phasing, etc....) and would minimize potential impacts from construction.

Health Risks from Plan Buildout

Buildout of the SPU would generate emissions from mobile sources (e.g., traffic) and stationary sources (e.g., generators). While these emissions would not be as intensive as construction activity, they would contribute to long-term effects to new and existing sensitive receptors.

Buildout Traffic

The Ravenswood SPU traffic volumes on the roadways within 1,000 feet of the surrounding area were used to assess buildout health risks.¹⁸ For this analysis, the traffic volumes were assumed to be generated from the buildout of the Ravenswood SPU on a given roadway. Ravenswood SPU trips were assumed to occur on University Avenue, Bay Road, and Clarke Avenue. Trips would occur on other roadways too, but these roadways were found to accommodate the majority of the Buildout traffic. The following Ravenswood SPU-generated traffic volumes were used for modeling each roadway:

- University Avenue: 2,720 vehicles
- Bay Road: 7,755 vehicles
- Clarke Avenue: 2,509 vehicles

Average hourly traffic distributions for San Mateo County roadways were developed using the EMFAC model,¹⁹ which were then applied to the ADT volumes and roadway lengths (in miles) to obtain estimated hourly vehicle miles of travel (VMT) and emissions for the roadway. For all hours of the day an average speed of 25 mph on University Avenue, Bay Road, and Clarke Avenue was assumed for all vehicles based on posted speed limit signs on the roadways.

TAC Emissions from Traffic

Emissions were estimated for DPM, organic TACs (i.e., total organic gases [TOG]) , and PM_{2.5} for traffic on each roadway using the latest version of CARB's EMFAC emissions model (EMFAC2021).

EMFAC2021 includes the latest data on California's car and truck fleets and produces emissions rates for either specific vehicle categories or aggregate emissions rates using county-wide vehicle populations. However, the rates produced are only for criteria pollutants, not TACs or DPM. Therefore, CT-EMFAC2017 was also used to aid in the development of emissions rates used in the analysis.

CT-EMFAC2017 is the Caltrans version of the CARB's EMFAC2017 emissions model and provides emission factors for mobile source criteria pollutants and TACs, including DPM, based on specific truck fractions input by the user. CT-EMFAC2017 uses the fraction of Non-Truck vehicles and trucks (i.e., Truck 1 and Truck 2) to develop aggregate emissions factors for each of

¹⁸ Hexagon Transportation Consultants, Inc., Ravenswood Specific Plan Update Transportation Analysis, March 7, 2023.

¹⁹ 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.

15 speed bins. The truck percentage derived from Caltrans' truck census program (4.6 percent – 3.3 percent Truck 1 and 1.3 percent Truck 2) was input into CT-EMFAC2017 to develop emissions factors.

Next, the ratio of DPM to PM_{2.5} produced by CT-EMFAC2017 was used to derive a DPM emissions rate using EMFAC2021 rates for each speed needed. Emission processes modeled for the analysis include running exhaust and evaporative emissions for PM_{2.5}, DPM, and TOG. Fugitive PM_{2.5} emissions were also estimated using the road dust emissions factors provided by CT-EMFAC2017 and the tire wear and brake wear emissions rates provided by EMFAC2021. Inputs to the emissions models (both EMFAC2021 and CT-EMFAC2017) include region (i.e., San Mateo County), type of road (i.e., Major/Collector), year of analysis (i.e., 2040), and season (i.e., annual).

To estimate TAC and PM_{2.5} emissions over the 30-year exposure period used for calculating the increased cancer risks, the EMFAC2021 and CT-EMFAC2017 models were used to develop vehicle emission factors for the year 2040. 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 EMFAC2021 and CT-EMFAC2017. Year 2040 emissions were conservatively assumed as being representative of future conditions over the time period that cancer risks are evaluated.

Dispersion Modeling

Dispersion modeling of TAC and PM_{2.5} emissions was conducted using the U.S. EPA AERMOD dispersion model, which is recommended by the BAAQMD for this type of analysis.²⁰ TAC and PM_{2.5} emissions from the nearby roadways within about 1,000 feet of the SPU area were evaluated. Vehicle traffic emissions were modeled in AERMOD using a series of volume sources along a line (line volume sources), with line segments used to represent opposing travel lanes on each roadway. The modeling used a five-year data set (2013 - 2017) of hourly meteorological data from the Moffett Field Airport. Other inputs to the model included road geometry, hourly traffic emissions, and receptor locations and heights. Annual TAC and PM_{2.5} concentrations from traffic on each roadway were calculated at receptor heights of 5 feet (1.5 meters), 15 feet (4.5 meters), and 25 feet (7.6 meters) to represent the breathing heights on the first, second, and third floors of the nearby existing residences.

Computed Risks and Hazards from Project Traffic

Table 7 shows the impacts from the increase in traffic on the main roadways in the area due to the Ravenswood SPU. The unmitigated maximum cancer risks, annual PM_{2.5} concentration, and non-cancer hazard index (HI) from SPU area traffic would not exceed the BAAQMD single- or cumulative-source significance thresholds at existing sensitive receptor locations. Figure 5 shows the modeled roadway segments and sensitive receptor locations. *Attachment 4* to this report includes the emission calculations used for the traffic modeling and the health risk calculations. When considering potential construction and/or stationary source impacts from Ravenswood SPU

²⁰ BAAQMD. *Recommended Methods for Screening and Modeling Local Risks and Hazards*. May 2012

area projects, risks could exceed the BAAQMD thresholds. Without specific project-level analyses and proper emission controls applied, these impacts are considered significant.

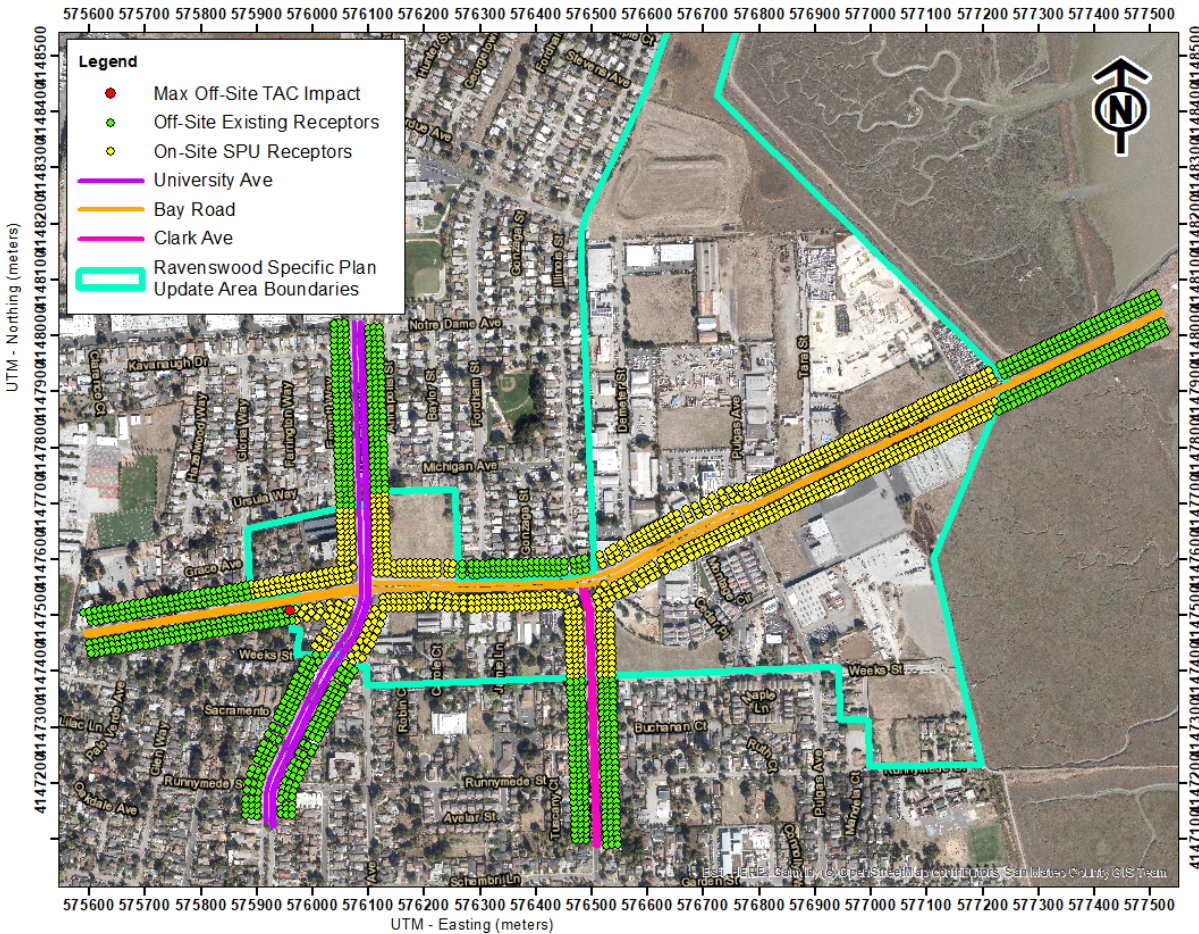
Table 13. Impacts from Plan Traffic Sources to Off-Site Receptors (Maximum Impact)

Source	Cancer Risk (per million)	Annual PM _{2.5} (µg/m ³)	Hazard Index
University Avenue - Project = 2,720 ADT	0.08	0.01	<0.01
Bay Road - Project = 7,755 ADT	1.34	0.14	<0.01
Clarke Avenue - Project = 2,509 ADT	<0.01	<0.01	<0.01
<i>BAAQMD Single Source Threshold</i>	10.0	0.3	1.0
<i>Exceed Single Source Threshold?</i>	<i>No</i>	<i>No</i>	<i>No</i>
University Avenue - Cumulative + Project = 29,024 ADT	0.85	0.11	<0.01
Bay Road - Cumulative + Project = 26,413 ADT	4.56	0.48	0.01
Clarke Avenue - Cumulative + Project = 13,767	0.03	0.03	<0.01
<i>Combined Sources</i>	5.44	0.61	<0.03
<i>BAAQMD Cumulative Source Threshold</i>	100	0.8	10.0
<i>Exceed Cumulative Threshold?</i>	<i>No</i>	<i>No</i>	<i>No</i>

Stationary Sources - Emergency Generators

Development of Ravenswood SPU would likely include stationary sources of TAC emissions such as backup power generators powered by diesel engines. These diesel engines would be subject to CARB’s Stationary Diesel Airborne Toxics Control Measure (ATCM) and require permits from the BAAQMD, since they would be equipped with engines larger than 50-HP. BACT requirements would apply to these generators 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 (T-BACT) and pass the health 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).

Figure 5. Locations of Modeled Project Roadway Sources and Sensitive Receptors



Risks and Hazards from the Construction and Operation of Individual Projects in the SPU Area

Build out of Ravenswood SPU would occur over many years. Construction emissions are expected to occur intermittently through the build out period while other projects are completed and become operational. While emissions in the SPU area are expected to increase due to the increase in activity, these will be somewhat be offset as construction equipment and on-road vehicles become more modern and are subject to new regulations that will decrease emissions over time. Future projects would have to consider the combination of construction and operational health risks from traffic and stationary sources as well as cumulative health risks that include impact from other projects also under construction.

Cumulative Health Risks to Off-Site Receptors

BAAQMD significance thresholds for health risk and hazards also address the combined influence from other nearby sources. The impacts from sources within 1,000 feet of the receptor most affected by the Plan impacts are considered. In this case, the only substantial sources of emissions are from traffic. While there are stationary sources in the Plan area, their influence at the receptor most affected by build out of Ravenswood SPU would be negligible. Table 13 shows that health

risks and hazards from combined cumulative plus project traffic conditions would result in risks below the applicable BAAQMD-recommended thresholds.

Ravenswood SPU AQ-6: Require Future Projects Located within 1,000 Feet of Sensitive Receptors to Perform a Health Risk Assessment.

Applicants proposing development of projects within 1,000 feet of existing sensitive receptors as defined by the BAAQMD (e.g., residential, schools) shall prepare a site-specific construction and operational health risk assessment (HRA). If the HRA demonstrates, to the satisfaction of the City, that the health risk exposures for adjacent receptors will be less than BAAQMD project-level thresholds, then additional mitigation would not be unnecessary. However, if the HRA demonstrates that health risks would exceed BAAQMD project level thresholds, additional feasible on- and off-site mitigation shall be identified to further reduce risks to the greatest extent practicable.

Measures to avoid significant construction health risks impacts that could be included in projects, depending on the results of the project-specific HRAs could include:²¹

1. Use Tier 4 engines for all off-road equipment greater than 50 horsepower (hp) and operating for more than 20 total hours over the entire duration of construction activities.
2. Use diesel trucks with 2010 or later compliant model year engines during construction.
3. Use renewable diesel during construction.
4. Use low-VOC coatings during construction.
5. Implement fugitive dust best management practices and if necessary, enhanced measures recommended by BAAQMD.
6. Use portable electrical equipment where commercially available and practicable to complete construction. Construction contractors shall utilize electrical grid power instead of diesel generators when (1) grid power is available at the construction site; (2) when construction of temporary power lines are not necessary in order to provide power to portions of the site distant from existing utility lines; (3) when use of portable extension lines is practicable given construction safety and operational limitations; and (4) when use of electrical grid power does not compromise construction schedules.
7. Phase construction appropriate to lower the intensity of emissions at any one location with sensitive receptors.
8. Provide enhanced air filtration for sensitive receptors adversely affected by project emissions.

²¹ Note that many of these measures are required through implementation of mitigation measures AQ-2, AQ-3, AQ-4, and AQ-5.

Ravenswood SPU AQ-7: Periodically Review and Update Air Quality Mitigation Measures

The City shall review on a regular basis the Ravenswood SPU air quality mitigation measures to ensure that they incorporate the most current and feasible measures recommended by BAAQMD. Project construction and introduction of new land uses will occur over 10 to 20 years into the future where newer measures may be recommended and measures that were once considered not feasible are now available to reduce emissions.

Effectiveness of Ravenswood SPU AQ-2, AQ-3, AQ-4, AQ-5, AQ-6, and AQ-7

The implementation of these measures represents the best available methods to minimize emissions of air pollutants and TACs from the Ravenswood SPU. These measures are anticipated to reduce emissions of TACs and PM_{2.5} from construction by at least 85 percent below those generated by uncontrolled projects. Operational emissions from each project would also be reduced, but the amount would be dependent on the project type of use and type of emissions sources (i.e., stationary sources vs. traffic). Proper implementation of these measures would reduce health risk impacts associated with the SPU to a level of *less-than-significant*.

Non-CEQA Health Risk Impacts

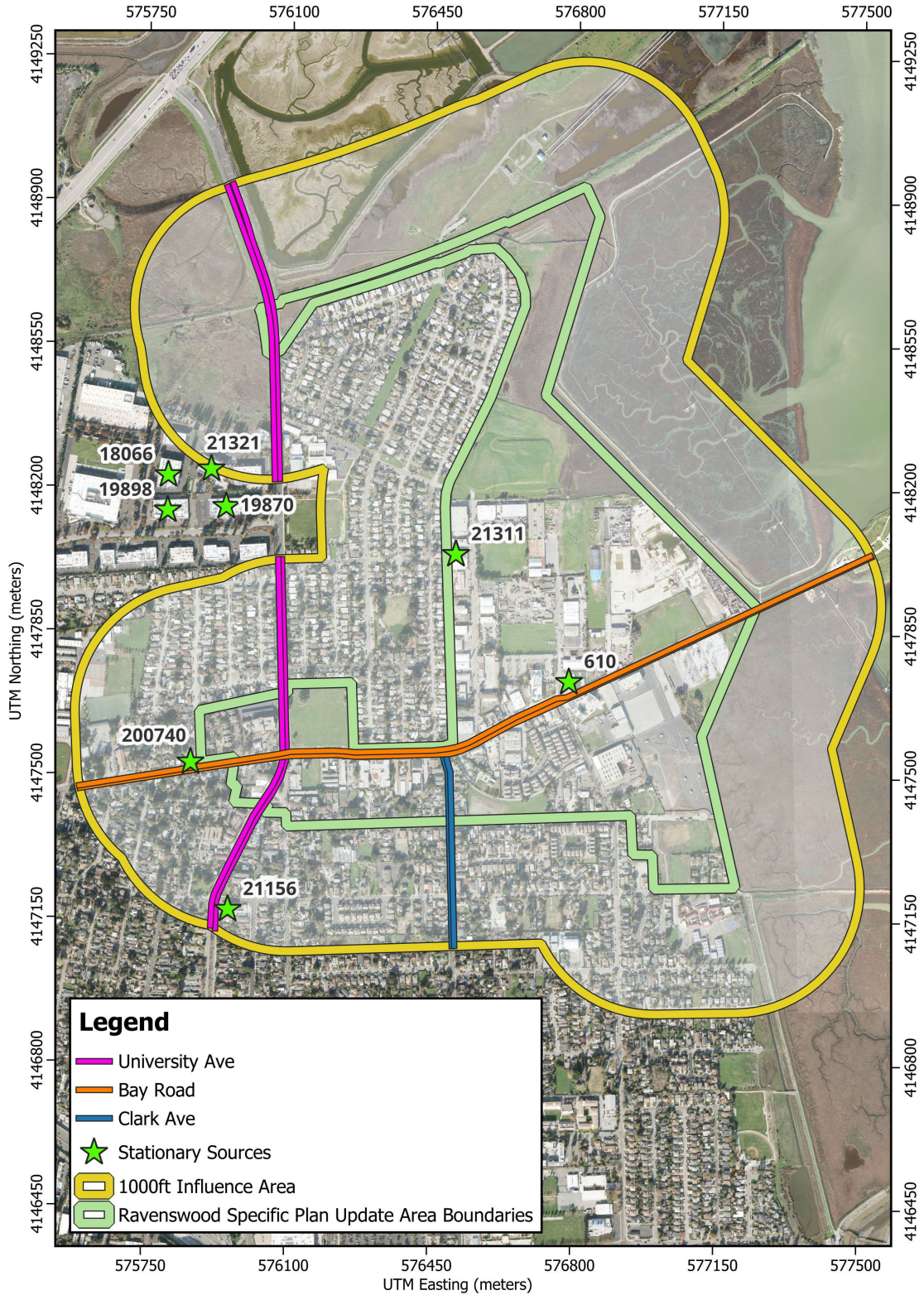
A screening risk assessment was completed to analyze the impact existing TAC sources would have on the new proposed sensitive receptors (i.e., residents) that the Ravenswood SPU would introduce. Details of the modeling and health risk calculations are included in *Attachment 5*. Furthermore, the BAAQMD CEQA Guidelines recommend identification of buffers for air pollutants and TACs for assessing plan impacts and the City's General Plan requires appropriate site planning when developing new sensitive land uses near sources of air pollutants.

Existing Sources of TACs

According to the BAAQMD CEQA Air Quality Guidelines, for a plan to have a less-than-significant impact with respect to TACs, overlay zones must be established around existing and proposed land uses that would emit TACs. Overlay zones to avoid TAC impacts must be reflected in local plan policies, land use maps, or implementing ordinances.

The Ravenswood SPU would permit and facilitate the development of land uses that may locate new sensitive receptors, such as new residences, in proximity to arterial and collector roadways, highways, and stationary sources of TAC emissions. A 1,000-foot buffer was drawn around the specific plan area to identify which TAC sources would affect sensitive receptors. Screening levels indicate that sensitive receptors within the Planning Area could be exposed to levels of TACs and or PM_{2.5} that could cause an unacceptable health risk near high-volume roadways and stationary sources. Figure 6 shows the specific plan boundaries and all the TAC sources identified within the 1,000-foot buffer.

Figure 6. Ravenswood Specific Plan Update Boundaries, 1000-foot Buffer, and Nearby TAC Sources²²



²² The unique numbers associated with all the BAAQMD Permitted Stationary Sources are their assigned identification codes.

Local Roadways – University Avenue, Bay Road, and Clarke Avenue

Health risks from roadway traffic at future sensitive receptors within the Ravenswood SPU area were analyzed using the projected traffic volumes for each roadway within 1,000 feet of the surrounding Ravenswood SPU area assuming Plan buildout.²³ The following roadway ADTs were used:

- University Avenue: 29,024 vehicles
- Bay Road: 26,413 vehicles
- Clarke Avenue: 13,767 vehicles

Roadway emissions, dispersion modeling, and risk impacts were analyzed and calculated in the same manner as described previously for existing sensitive receptors. Table 14 lists information about the roadways and the buffer distances where exceedances may occur. Future traffic volumes are subject to change and each roadway would need to be re-evaluated on a project level basis.

Table 14. Roadway Segments and Buffer Distances for Exceedance of BAAQMD Thresholds (Measured from Edge of the Roadway)

Road	ADT	Road Direction	Side of Road	Buffer Distance for Exceedance (feet)
University Avenue	29,024	North-South Roadway	East	150
			West	50
Bay Road	26,413	East-West Roadway	North	No Exceedance
			South	50
Clarke Avenue	13,767	North-South Roadway	East	No Exceedance
			West	No Exceedance

Existing Stationary Sources

As shown in Figure 6, there are numerous permitted stationary sources located throughout the Ravenswood SPU area. The impact of these sources on new residents in the Plan area can only be addressed on a project-by-project basis since impacts are generally localized. When siting new sensitive receptors, the BAAQMD Guidelines advise lead agencies examine existing or future proposed sources of TAC and/or PM_{2.5} emissions that would adversely affect individuals within the planned project. Without proper setbacks or mitigation measures, these sources could result in TAC levels that are considered significant for new sensitive receptors. To assist lead agencies, BAAQMD has developed a database of permitted sources within the air district, which can be found at BAAQMD’s *Permitted Stationary Sources 2020* GIS website.²⁴ This online tool provides the screening levels of cancer risk, HI, and PM_{2.5} concentrations. These screening risk values can be adjusted for distance using factors provided by BAAQMD.

²³ Hexagon Transportation Consultants, Inc., Ravenswood Specific Plan Update Transportation Analysis, March 7, 2023.

²⁴ BAAQMD, Web: <https://baaqmd.maps.arcgis.com/apps/webappviewer/index.html?id=845658c19eae4594b9f4b805fb9d89a3>

If a given stationary source has the potential for significant health risk impacts at a receptor location, the source can be further analyzed by contacting BAAQMD for additional information and a refined modeling analysis conducted. A refined analysis would include dispersion modeling of the source using emissions and source information provided by BAAQMD. If the source still has significant health risk impacts following the refined analysis, then risk reduction strategies would have to be implemented by the project, including but not limited to, mechanical air filtration systems.

BAAQMD does not guarantee the accuracy of their *Permitted Stationary Sources 2020* GIS website, as some sources shown outside of the area may actually be located within the area. Sources around the area were checked by cross referencing their address. However, it cannot be certain that all misplaced sources that belong in the area were identified. In addition, new sources are added or taken out of service. BAAQMD updates this database and numerous updates are likely as the Ravenswood Specific Plan is built out. Given these uncertainties, new sensitive land uses built within the plan area should perform their own, site-specific studies prior to finalizing any development plans. This process would involve submittal of a stationary source inquiry form (SSIF) to BAAQMD. This ensures that the most recent stationary sources are included and analyzed.

Hazardous Materials

This review only addresses sources that routinely emit TACs and air pollutants. There may be facilities that handle and store hazardous materials on site and potentially near sensitive receptors. However, the accidental release of these materials, liquids or gases could create hazardous conditions. Therefore, it is recommended that facilities handling hazardous materials should be identified and their potential hazards should be considered prior to developing any sensitive land uses in their proximity.

Existing Stationary Sources Requiring Special Focus

The Romic Environmental Technologies Hazardous Waste Management Facility is located along the eastern side of Tara Street. Special care should be taken to make sure this site requires the facilitation of hazardous materials remediation to the standards of the U.S. EPA, the California Department of Toxic Substances Control, and the San Francisco Bay Regional Water Quality Control Board. This site is not expected to be a source of odors.

Construction Projects Underway or Soon-to-Be Underway

The City of East Palo Alto has a mapping tool online that pinpoints where new development projects are within the entire city.²⁵ The map lists projects that are approved and under review. Within the Ravenswood Specific Plan area, there are six projects approved by the planning commission and five projects under review. The projects that have been approved include 1675, 1990, and 2020 Bay Road, 851 Weeks Street and East Palo Alto Waterfront projects. All these approved developments would change the current land uses. Therefore, it is advised that these

²⁵ City of East Palo Alto, *Projects*, Web:
<https://www.ci.east-palo-alto.ca.us/projects>

projects be considered completed when considering the sensitive receptors proposed by the Ravenswood SPU. Note that the developments under review, including 1804 and 2081 Bay Road, 965 Weeks Street, 2555 Pulgas Avenue, JobTrain Office, and Boom Park projects, should not be considered complete until approved.

Recommended Condition of Approval: Conduct project-specific on-site health risk assessments for new developments that propose new sensitive receptors within the Ravenswood SPU area to identify appropriate measures to reduce TAC and air pollutant exposures. Such measures could include Project-specific site design and use of enhanced filtration in ventilation systems.

Impact 4: Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Future construction activities in the Ravenswood SPU area could result in odorous emissions from diesel exhaust associated with construction equipment. Because of the temporary nature of these emissions and the highly diffusive properties of diesel exhaust, exposure of sensitive receptors to these emissions would be limited. Therefore, odors from construction that could cause complaints from the general public and affect a substantial number of people are not expected.

BAAQMD has identified a variety of land uses and types of operations that produce emissions that may lead to odors in their CEQA Air Quality Guidelines. Various uses within Ravenswood SPU could be developed that create localized odors. An example would include restaurants or small water treatment facilities or other industrial uses could be developed that have localized odors. The Ravenswood FEIR addresses odor sources by requiring new restaurants located in mixed-use developments, or adjacent to residential developments install kitchen exhaust vents with filtration systems, re-route vents away from residential development, or use other accepted methods of odor control, in accordance with local building and fire codes.

GREENHOUSE GAS EMISSIONS

Setting

Greenhouse gases (GHGs) are chemical compounds that trap heat in the earth's atmosphere, raising its temperature. The most common GHGs are carbon dioxide (CO₂) and water vapor but there are also several others, most importantly methane (CH₄), nitrous oxide (N₂O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF₆). These are released into the earth's atmosphere through a variety of natural processes and human activities. Sources of GHGs are generally as follows:

- CO₂, CH₄, and N₂O are byproducts of fossil fuel combustion.
- N₂O is associated with agricultural operations such as fertilization of crops.
- CH₄ is commonly created by off-gassing from agricultural practices (e.g., keeping livestock) and landfill operations.
- Chlorofluorocarbons (CFCs) were widely used as refrigerants, propellants, and cleaning solvents but their production has been stopped by international treaty.
- HFCs are now used as a substitute for CFCs in refrigeration and cooling.
- PFCs and sulfur hexafluoride emissions are commonly created by industries such as aluminum production and semi-conductor manufacturing.

Each GHG has its own potency and effect upon the earth's energy balance. This is expressed in terms of a global warming potential (GWP), with CO₂ being assigned a value of 1 and sulfur hexafluoride being several orders of magnitude stronger. In GHG emission inventories, the weight of each gas is multiplied by its GWP and is measured in units of CO₂ equivalents (CO₂e).

An expanding body of scientific research supports the theory that global climate change is currently affecting changes in weather patterns, average sea level, ocean acidification, chemical reaction rates, and precipitation rates, and that it will increasingly do so in the future. The climate and several naturally occurring resources within California are adversely affected by the global warming trend. Increased precipitation and sea level rise will increase coastal flooding, saltwater intrusion, and degradation of wetlands. Mass migration and/or loss of plant and animal species could also occur. Potential effects of global climate change that could adversely affect human health include more extreme heat waves and heat-related stress; an increase in climate-sensitive diseases; more frequent and intense natural disasters such as flooding, hurricanes, and drought; and increased levels of air pollution.

Federal and State Regulatory Actions for GHG Emissions

Executive Order S-3-05 – California GHG Reduction Targets

Executive Order (EO) S-3-05 was signed by Governor Arnold Schwarzenegger in 2005 to set GHG emission reduction targets for California. The three targets established by this EO are as follows: (1) reduce California's GHG emissions to 2000 levels by 2010, (2) reduce California's GHG emissions to 1990 levels by 2020, and (3) reduce California's GHG emissions by 80 percent below 1990 levels by 2050.

Assembly Bill 32 – California Global Warming Solutions Act (2006)

Assembly Bill (AB) 32, the Global Warming Solutions Act of 2006, codified the State’s GHG emissions target by directing CARB to reduce the State’s global warming emissions to 1990 levels by 2020. AB 32 was signed and passed into law by Governor Schwarzenegger on September 27, 2006. Since that time, the CARB, CEC, California Public Utilities Commission (CPUC), and Building Standards Commission have all been developing regulations that will help meet the goals of AB 32 and Executive Order S-3-05, which has a target of reducing GHG emissions 80 percent below 1990 levels.

A Scoping Plan for AB 32 was adopted by CARB in December 2008. It contains the State’s main strategies to reduce GHGs from business-as-usual emissions projected in 2020 back down to 1990 levels. Business-as-usual (BAU) is the projected emissions in 2020, including increases in emissions caused by growth, without any GHG reduction measures. The Scoping Plan has a range of GHG reduction actions, including direct regulations, alternative compliance mechanisms, monetary and non-monetary incentives, voluntary actions, and market-based mechanisms such as a cap-and-trade system.

As directed by AB 32, CARB has also approved a statewide GHG emissions limit. On December 6, 2007, CARB staff resolved an amount of 427 million metric tons (MMT) of CO₂e as the total statewide GHG 1990 emissions level and 2020 emissions limit. The limit is a cumulative statewide limit, not a sector- or facility-specific limit. CARB updated the future 2020 BAU annual emissions forecast, due to the economic downturn, to 545 MMT of CO₂e. Two GHG emissions reduction measures currently enacted that were not previously included in the 2008 Scoping Plan baseline inventory were included, further reducing the baseline inventory to 507 MMT of CO₂e. Thus, an estimated reduction of 80 MMT of CO₂e is necessary to reduce statewide emissions to meet the AB 32 target by 2020.

Executive Order B-30-15 & Senate Bill 32 GHG Reduction Targets – 2030 GHG Reduction Target

In April 2015, Governor Brown signed EO B-30-15, which extended the goals of AB 32, setting a greenhouse gas emissions target at 40 percent of 1990 levels by 2030. On September 8, 2016, Governor Brown signed Senate Bill (SB) 32, which legislatively established the GHG reduction target of 40 percent of 1990 levels by 2030. In November 2017, CARB issued *California’s 2017 Climate Change Scoping Plan*.²⁶ While the State is on track to exceed the AB 32 scoping plan 2020 targets, this plan is an update to reflect the enacted SB 32 reduction target.

SB 32 was passed in 2016, which codified a 2030 GHG emissions reduction target of 40 percent below 1990 levels. CARB has released a proposed final 2022 Scoping Plan to reflect the 2030 target set by Executive Order B-30-15 and codified by SB 32. The 2022 plan:

- Identifies a path to keep California on track to meet its SB 32 GHG reduction target of at

²⁶ California Air Resource Board, 2017. *California’s 2017 Climate Change Scoping Plan: The Strategy for Achieving California’s 2030 Greenhouse Gas Targets*. November. Web: https://ww2.arb.ca.gov/sites/default/files/classic/cc/scopingplan/scoping_plan_2017.pdf

least 40 percent below 1990 emissions by 2030.

- Identifies a technologically feasible, cost-effective path to achieve carbon neutrality by 2045 or earlier.
- Focuses on strategies for reducing California’s dependency on petroleum to provide consumers with clean energy options that address climate change, improve air quality, and support economic growth and clean sector jobs.
- Integrates equity and protecting California’s most impacted communities as a driving principle.
- Incorporates the contribution of natural and working lands to the state’s GHG emissions, as well as its role in achieving carbon neutrality.
- Relies on the most up to date science, including the need to deploy all viable tools, including carbon capture and sequestration as well a direct air capture.
- Evaluates multiple options for achieving our GHG and carbon neutrality targets, as well as the public health benefits and economic impacts associated with each.

The proposed final 2022 Scoping Plan was released by CARB on November 16, 2022 and once adopted, will lay out how the state can get to carbon neutrality by 2045 or earlier. It is also the first Scoping Plan that adds carbon neutrality as a science-based guide and touchstone beyond statutorily established emission reduction targets.²⁷

The mid-term 2030 target is considered critical by CARB on the path to obtaining an even deeper GHG emissions target of 80 percent below 1990 levels by 2050, as directed in Executive Order S-3-05. The 2022 Scoping Plan outlines the suite of policy measures, regulations, planning efforts, and investments in clean technologies and infrastructure, providing a blueprint to continue driving down GHG emissions and to not only obtain the statewide goals, but cost-effectively achieve carbon-neutrality by 2045 or earlier. In the 2022 Scoping Plan, CARB recommends:

- VMT per capita reduced 12% below 2019 levels by 2030 and 22% below 2019 levels by 2045.
- 100% of Light-duty vehicle sales are zero emissions vehicles (ZEV) by 2035.
- 100% of medium duty/heavy duty vehicle sales are ZEV by 2040.
- 100% of passenger and other locomotive sales are ZEV by 2030.
- 100% of line haul locomotive sales are ZEV by 2035.
- All electric appliances in new residential and commercial building beginning 2026 (residential) and 2029 (commercial).
- 80% of residential appliance sales are electric by 2030 and 100% of residential appliance sales are electric by 2035.
- 80% of commercial appliance sales are electric by 2030 and 100% of commercial appliance sales are electric by 2045.

Executive Order B-55-18 – Carbon Neutrality

In 2018, a new statewide goal was established to achieve carbon neutrality as soon as possible, but no later than 2045, and to maintain net negative emissions thereafter. CARB and other relevant

²⁷ <https://ww2.arb.ca.gov/our-work/programs/ab-32-climate-change-scoping-plan/2022-scoping-plan-documents>

state agencies are tasked with establishing sequestration targets and create policies/programs that would meet this goal. The Draft 2022 Scoping Plan Update addresses EO B-55-18 and would cost-effectively achieve carbon-neutrality by 2045 or earlier.

Executive Order B-55-18 – Carbon Neutrality

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Senate Bill 375 – California's Regional Transportation and Land Use Planning Efforts (2008)

California enacted legislation (SB 375) to expand the efforts of AB 32 by controlling indirect GHG emissions caused by urban sprawl. SB 375 provides incentives for local governments and applicants to implement new conscientiously planned growth patterns. This includes incentives for creating attractive, walkable, and sustainable communities and revitalizing existing communities. The legislation also allows applicants to bypass certain environmental reviews under CEQA if they build projects consistent with the new sustainable community strategies. Development of more alternative transportation options that would reduce vehicle trips and miles traveled, along with traffic congestion, would be encouraged. SB 375 enhances CARB's ability to reach the AB 32 goals by directing the agency in developing regional GHG emission reduction targets to be achieved from the transportation sector for 2020 and 2035. CARB works with the metropolitan planning organizations (e.g., Association of Bay Area Governments [ABAG] and Metropolitan Transportation Commission [MTC]) to align their regional transportation, housing, and land use plans to reduce vehicle miles traveled and demonstrate the region's ability to attain its GHG reduction targets. A similar process is used to reduce transportation emissions of ozone precursor pollutants in the Bay Area.

Senate Bill 350 - Renewable Portfolio Standards

In September 2015, the California Legislature passed SB 350, which increases the states Renewables Portfolio Standard (RPS) for content of electrical generation from the 33 percent target for 2020 to a 50 percent renewables target by 2030.

Senate Bill 100 – Current Renewable Portfolio Standards

In September 2018, SB 100 was signed by Governor Brown to revise California's RPS program goals, furthering California's focus on using renewable energy and carbon-free power sources for its energy needs. The bill would require all California utilities to supply a specific percentage of their retail sales from renewable resources by certain target years. By December 31, 2024, 44 percent of the retail sales would need to be from renewable energy sources, by December 31, 2026 the target would be 40 percent, by December 31, 2017 the target would be 52 percent, and by December 31, 2030 the target would be 60 percent. By December 31, 2045, all California

utilities would be required to supply retail electricity that is 100 percent carbon-free and sourced from eligible renewable energy resource to all California end-use customers.

California Building Standards Code – Title 24 Part 11 & Part 6

The California Green Building Standards Code (CALGreen Code) is part of the California Building Standards Code under Title 24, Part 11.²⁸ The CALGreen Code encourages sustainable construction standards that involve planning/design, energy efficiency, water efficiency resource efficiency, and environmental quality. These green building standard codes consist of a set of mandatory standards required for new development, as well as two more voluntary standards known as Tier 1 and Tier 2 applicable to residential and non-residential developments. The most recent CALGreen Code (2019 California Building Standard Code) was effective as of January 1, 2020. However, the CALGreen Code is updated every three years. A revised Code (2022 California Building Standard Code) will be effective as of January 1, 2023.

The California Building Energy Efficiency Standards (California Energy Code) is under Title 24, Part 6 and is overseen by the California Energy Commission (CEC). This code includes design requirements to conserve energy in new residential and non-residential developments, while being cost effective for homeowners. This Energy Code is enforced and verified by cities during the planning and building permit process.

The current energy efficiency standards (2019 Energy Code) replaced the 2016 Energy Code as of January 1, 2020. Under the 2019 standards, single-family homes are predicted to be 53 percent more efficient than homes built under the 2016 standard due more stringent energy-efficiency standards and mandatory installation of solar photovoltaic systems. For nonresidential developments, it is predicted that these buildings will use 30 percent less energy due to lightening upgrades.²⁹

The 2022 CALGreen Code makes minor refinements to the 2019 Code, but there are a few notable additions including requirements that new construction be “all electric ready,” include energy storage systems (ESS), further improve indoor air quality, and increased deployment of EV chargers in various building types, including multifamily residential and nonresidential land uses. This means new construction needs to include EV readiness, EV capable parking spaces, installation of EV chargers, and the installation of Level 2 EV supply equipment. Providing EV charging infrastructure that meets current (2019) CALGreen requirements will not be sufficient to power the anticipated more extensive level of EV penetration in the future that is needed to meet SB 30 climate goals.

CEC studies have identified the most aggressive electrification scenario as putting the building sector on track to reach the carbon neutrality goal by 2045.³⁰ Installing new natural gas infrastructure in new buildings will interfere with this goal. To meet the State’s goal, communities

²⁸ See: <https://www.dgs.ca.gov/BSC/Resources/Page-Content/Building-Standards-Commission-Resources-List-Folder/CALGreen#:~:text=CALGreen%20is%20the%20first%2Din,to%201990%20levels%20by%202020>.

²⁹ See: https://www.energy.ca.gov/sites/default/files/2020-03/Title_24_2019_Building_Standards_FAQ_ada.pdf

³⁰ California Energy Commission. 2021. *Final Commission Report: California Building Decarbonization Assessment*. Publication Number CEC-400-2021-006-CMF. August

have been adopting “Reach” codes that encourage new and remodeled buildings to be all electric. However, federal law preempts agencies from banning natural gas.

SB 743 Transportation Impacts

Senate Bill 743 required lead agencies to abandon the old “level of service” metric for evaluating a project’s transportation impacts, which was based solely on the amount of delay experienced by motor vehicles. In response, the Governor’s Office of Planning and Research (OPR) developed a VMT metric that considered other factors such as reducing GHG emissions and developing multimodal transportation³¹. A VMT-per-capita metric was adopted into the CEQA Guidelines Section 15064.3 in November 2017. Given current baseline per-capita VMT levels computed by CARB in the 2030 Scoping Plan of 22.24 miles per day for light-duty vehicles and 24.61 miles per day for all vehicle types, the reductions needed to achieve the 2050 climate goal are 16.8 percent for light-duty vehicles and 14.3 percent for all vehicle types combined. *Based on this analysis (as well as other factors), OPR recommended using a 15-percent reduction in per capita VMT as an appropriate threshold of significance for evaluating transportation impacts.*

Advanced Clean Cars

The Advanced Clean Cars Program, originally adopted by CARB in 2012, was designed to bring together CARB’s traditional passenger vehicle requirements to meet federal air quality standards and also support California’s AB 32 goals to develop and implement programs to reduce GHG emissions back down to 1990 levels by 2020, a goal achieved in 2016 as a result of numerous emissions reduction programs³².

This recent rule, *Advanced Clean Cars II (ACC II)* is phase two of the original rule. ACC II establishes a year-by-year process, starting in 2026, so all new cars and light trucks sold in California will be zero-emission vehicles by 2035, including plug-in hybrid electric vehicles. The regulation codifies the light-duty vehicle goals set out in Governor Newsom’s Executive Order N-79-20. Currently, 16 percent of new light-duty vehicles sold in California are zero emissions or plug-in hybrids. By 2030, 68 percent of new vehicles sold in California would be zero emissions and 100 percent by 2035.

Federal and Statewide GHG Emissions

The U.S. EPA reported that in 2021, total gross nationwide GHG emissions were 6,340.2 million metric tons (MMT) carbon dioxide equivalent (CO₂e).³³ These emissions were lower than peak levels of 7,416 MMT that were emitted in 2007. CARB updates the statewide GHG emission inventory on an annual basis where the latest inventory includes 2000 through 2020 emissions.³⁴

³¹ Governor’s Office of Planning and Research. 2018. *Technical Advisory on Evaluating Transportation Impacts in CEQA*. December.

³² CARB 2022. Advanced Clean Cars Program. See <https://ww2.arb.ca.gov/our-work/programs/advanced-clean-cars-program> accessed April 14, 2023

³³ United States Environmental Protection Agency, 2023. *Inventory of U.S. Greenhouse Gas Emissions and Sinks 1990-2021*. April. Web: <https://www.epa.gov/ghgemissions/inventory-us-greenhouse-gas-emissions-and-sinks>

³⁴ CARB. 2022. *California Greenhouse Gas Emission for 2000 to 2020*. Web: https://ww2.arb.ca.gov/sites/default/files/classic/cc/inventory/2000-2020_ghg_inventory_trends.pdf

In 2020, GHG emissions from statewide emitting activities were 369.2 MMT CO₂e. The 2020 emissions have decreased since peak levels in 2007 and are 35.3 MMT CO₂e lower than 2019 emissions level and 61.8 MMT CO₂e below the State’s 2020 GHG limit of 431 MMT CO₂e. The 2019 to 2020 decrease in emissions is likely due in large part to the impacts of the COVID-19 pandemic. Economic recovery from the pandemic may result in emissions increases over the next few years. As such, the total 2020 reported emissions are likely an anomaly, and any near-term increases in annual emissions should be considered in the context of the pandemic.

City of East Palo Alto

Vista 2035 East Palo Alto General Plan

Land Use and Urban Design

Goal LU-1. Maintain an urban form and land use pattern that enhances the quality of life and meets the community’s vision for its future.

Intent: To provide housing, employment, retail and services, recreation, arts, education and entertainment for the City’s residents and businesses in an urban environment that promotes health, equity, prosperity, and well-being.

Policies:

1.1 Balanced land uses. Create a balanced land use pattern to support a jobs-housing balance, minimize traffic and vehicle miles traveled, reduce greenhouse gas emissions, and promote a broad range of housing choices, retail businesses, employment opportunities, cultural venues, educational institutions and other supportive land uses.

Health and Equity

Goal HE-10. Improve respiratory health through the City and strive to reduce incidence of asthma and other respiratory illnesses.

Intent: To use policies and regulations that reduce the impact of air pollution on residents in East Palo Alto.

Policies:

10.5 Clean technology. Attract “clean technology” companies to the Ravenswood Employment District, such as solar panel manufacturing and recycling companies that focus on innovative energy, water and waste technologies.

Goal POC-7. Promote a sustainable energy system.

Intent: To enable citywide access to energy in a way that meets community needs while positioning the community for a sustainable energy future.

Policies:

7.1 Citywide building energy efficiency. Promote and encourage citywide building energy efficiency through strategies that may include the following:

- Retrofits of buildings with energy-efficient technology
- High energy performance in new buildings, in excess of CALgreen when possible.

7.2 Municipal building energy efficiency. Strive for high levels of energy efficiency in municipal facilities.

7.4 Renewable energy. Encourage the use of renewable energy in the City, including solar and wind in new and existing development.

Goal POC-8. Adapt to and mitigate climate change impacts.

Intent: To become a resilient community that is prepared for the health and safety impacts of and minimizes the risks of climate change.

Policies:

8.1 Climate Action Plan. Implement and regularly update the City's Climate Action Plan (CAP). Update the City's Greenhouse Gas Inventory and associated implementation actions matrix every 2 to 3 years, and the overall CAP framework document every 5 to 10 years.

8.2 Heat Island reduction. Require heat island reduction strategies in new developments such as light-colored cool roofs, light-colored paving, permeable paving, right-sized parking requirements, vegetative cover and planting, substantial tree canopy coverage, and south and west side tree planting.

8.4 Reducing GHG emissions. In consulting with applicants and designing new facilities, prioritize the selection of green building design features that enhance the reduction of greenhouse gas emissions.

8.5 Communications and outreach. Continue to work with the San Mateo County Public Health Department to establish social networks and website updates to distribute information on climate change impacts to vulnerable populations including actions they can take to reduce exposure to unhealthy condition.

8.6 Climate change and health. Acknowledge the ongoing and future impacts of climate change and extreme events on East Palo Alto’s residents, taking action to minimize the effects among vulnerable populations and help implement California’s executive order (EO) S-13-08 and the 2009 California Climate Adaption Strategy.

8.8 Efficiency incentives. Provide incentives for households to improve resource efficiency, such as rebate programs and giveaways for items such as low-flow shower heads and electrical outlet insulation.

8.9 Sustainable building code. Encourage changes in building code to reflect emphasis on health, sustainability, and energy efficiency. Look to the codes of other cities who are leaders.

8.10 Green building credentialing and incentives. Provide incentives for contractors to obtain Leadership in Energy & Environmental Design (LEED) professional credentials as well as LEED certification for their buildings.

8.11 Green building certification. Require that new residential, commercial, or mixed-use buildings over 20,000 square feet earn LEED Silver certification (or equivalent) including meeting the minimum CALGreen code requirements.

8.12 Green waste management practices. Support ongoing green waste recycling efforts and facilitate composting opportunities for residents and businesses in order to reduce surface ozone pollution and offset greenhouse gas emissions and provide soil nutrients.

East Palo Alto Climate Action Plan

The City of East Palo Alto Climate Action Plan³⁵ (CAP) is a plan to reduce GHG emissions and address climate change. The Climate Action Plan was adopted in December 2011. It contains goals and strategies to reduce greenhouse gas emissions by 15 percent below 2005 levels by 2020, in accordance with the AB 32 “Climate Change Scoping Plan”. This CAP matured in 2020, with the implementation of 23 actions yielding approximately 20 percent GHG emissions reduction from 2005 levels. The demonstrated that its collective set of climate action policies as described in its CAP, along with its General Plan, ordinances, and other programs at the time was considered equivalent to a qualified GHG reduction strategy. However, the CAP is no longer consistent with the qualification goals and does not have a specific metric ton GHG threshold for project-level construction or operation. Therefore, the BAAQMD’s CEQA Air Quality Guideline’s thresholds are used.

Draft 2030 Climate Action Plan and Adaptation Strategies

³⁵ City of East Palo Alto, *Climate Action Plan*, February 2023. Web: <https://www.cityofepa.org/econdev/page/climate-action-plan>

The City is currently working on a Draft 2030 Community CAP and Adaptation Strategies that is under public review. The City's Draft 2030 CAP establishes guidelines for reaching the stated goal of reducing carbon emissions 50 percent below 2005 levels by 2030 and aspires to reach carbon neutrality by 2045, which would make it consistent with a qualified CAP once adopted.

BAAQMD GHG Significance Thresholds

The Notice of Preparation for the Ravenswood SPU was posted on April 15, 2022. At that time, the BAAQMD CEQA Air Quality Guidelines included quantified thresholds for GHG emissions for both plans and projects.

BAAQMD CEQA Guidelines

Under the 2017 CEQA Air Quality Guidelines, a local government may prepare a qualified GHG Reduction Strategy that is consistent with AB 32 goals. If a project is consistent with an adopted qualified GHG Reduction Strategy, it can be presumed that the project will not have significant GHG emissions under CEQA.³⁶ Alternatively, BAAQMD recommends a GHG threshold of 4.6 metric tons per capita for projects and 6.6 metric tons per capita for plans that consider all land uses (both ones that will be unchanged and new or modified land uses). These numeric thresholds were developed based on meeting the 2020 GHG targets set in the scoping plan that addressed AB 32. Development of Ravenswood SPU occurs beyond 2020, so a threshold that addresses a future target is appropriate. The basis of the BAAQMD thresholds were used to develop plan level thresholds for 2040. Although BAAQMD did not publish a quantified threshold for 2030 or 2040, a threshold could be computed. Assuming the published thresholds are met (since the State did meet AB 32 goals before 2020), those thresholds could be reduced by 40 percent for 2030 and 80 percent by 2040. Table 15 provides those computed thresholds.

Unfortunately, the tools used to compute GHG emission are constrained to those emissions rates that are now occurring or regulated to occur in the future. The currently available models do not reflect the latest scoping plan strategies. For land use projects, these strategies include a phase out of combustion on-road vehicles, increased use of renewable fuels and electricity, and reduced demand for energy from fossil fuels. For example, the current roadway emissions are computed using EMFAC2021 that reflects emissions from types of vehicles and their emission rates projected to be on the road in 2040 using current regulations. Additional regulations are being adopted that will substantially lower future vehicle emissions, including the *ACC II*, described above, that requires 68 percent of new cars sold in California in 2030 to be zero emissions and 100 percent of vehicles sold by 2040.

2022 Adopted GHG Thresholds

On April 20, 2022, BAAQMD adopted new thresholds of significance for GHG emissions from land use projects for projects beginning the CEQA process. The following framework is how

³⁶ Bay Area Air Quality Management District, 2017. *CEQA Air Quality Guidelines*. May. See https://www.baaqmd.gov/~media/files/planning-and-research/ceqa/ceqa_guidelines_may2017-pdf.pdf?la=en

BAAQMD will determine GHG significance moving forward.³⁷ Table 15 reports the threshold for plan-level analyses based on estimated GHG emissions, as well as per capita metrics, developed by BAAQMD.

The analysis presented below addresses both the Plan-Level and Project-Level thresholds recommended by BAAQMD in 2022. Project GHG emissions were computed and provided for informational purposes. Since buildout of the Ravenswood SPU would occur through 2040, achieving carbon neutrality would be the plan-level threshold applied.

³⁷ Justification Report: BAAQMD CEQA Thresholds for Evaluating the Significance of Climate Impacts from Land Use Project and Plans. Web: <https://www.baaqmd.gov/~media/files/planning-and-research/ceqa/ceqa-thresholds-2022/justification-report-pdf.pdf?la=en>

Table 15. BAAQMD Recommended Plan-Level and Project-Level GHG Significance Thresholds

Pollutant/Contaminant	Construction	Operational
<p align="center">GHGs contained in 2017 CEQA Air Quality Guidelines</p>	<p align="center">None</p>	<p>Compliance with Qualified GHG Reduction Strategy OR 6.6 MT CO₂e/SP/year (residents + employees) for Plans and 4.6 MT CO₂e/SP/year for Projects. Note that 2040 emissions would be expected to be 80 percent lower than those in 2020 that are considered equivalent to 1990 levels.</p>
<p align="center">GHGs adopted April 2022</p>	<p align="center">None</p>	<p>A. Meet the State’s goals to reduce emissions to 40 percent below 1990 levels by 2030 and carbon neutrality by 2045 OR</p> <p>B. Be consistent with a local GHG reduction strategy that meets the criteria under State CEQA Guidelines Section 15183.5(b).</p> <p>C. For Projects:</p> <p>1. Buildings</p> <p>a. The project will not include natural gas appliances or natural gas plumbing (in both residential and nonresidential development).</p> <p>b. The project will not result in any wasteful, inefficient, or unnecessary energy usage as determined by the analysis required under CEQA Section 21100(b)(3) and Section 15126.2(b) of the State CEQA Guidelines.</p> <p>2. Transportation</p> <p>a. Achieve a reduction in project-generated vehicle miles traveled (VMT) below the regional average consistent with the current version of the California Climate Change Scoping Plan (currently 15 percent) or meet a locally adopted Senate Bill 743 VMT target, reflecting the recommendations provided in the Governor’s Office of Planning and Research’s Technical Advisory on Evaluating Transportation Impacts.</p> <p>b. Achieve compliance with off-street electric vehicle requirements in the most recently adopted version of CALGreen Tier 2.</p>

Impact GHG-1: Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

GHG emissions associated with development of the proposed projects built within the Ravenswood SPU would occur over the short-term from construction activities, consisting primarily of emissions from equipment exhaust and worker and vendor trips. There would also be long-term emissions associated with vehicular traffic within the project vicinity, energy and water usage, and solid waste disposal. GHG emissions for the Ravenswood SPU buildout are discussed below and were analyzed using the methodology recommended in the BAAQMD CEQA Air Quality Guidelines.

CalEEMod Modeling

CalEEMod was used to predict GHG emissions assuming full build-out of the projects within the Ravenswood SPU. The project land use types and size and other project-specific information were input to the model, as described above within the operational period emissions. CalEEMod output is included in *Attachment 2*.

Buildout Emissions

The CalEEMod model along with the vehicle trip generation rates for the SPU were used to estimate daily emissions associated with the Plan. As shown in Table 16, the annual emissions resulting from operation of the proposed Ravenswood SPU scenarios are predicted to be 26,580, 63,690, 64,171, 72,267, and 72,693 MT of CO₂e when the various buildout scenarios are completed in 2040. In terms of per capita emissions, Ravenswood SPU would result in 3.48, 4.41, 4.45, 4.26, and 4.29 MT CO₂e/year/capita, which would decrease from 4.4 MT CO₂e/year/capita under existing conditions.

There are no quantified thresholds for GHG emissions adopted by the City or BAAQMD for evaluation of project level GHG emissions. BAAQMD in their latest adopted GHG thresholds recommend that the significance of plan level GHG emissions be evaluated based on consistency with an adopted GHG reduction plan or meet design elements that are critical in reducing GHG emissions. The City's CAP does not have a specific metric ton GHG threshold for plan level construction or operation. Therefore, the BAAQMD's CEQA Air Quality Guideline's thresholds are used.

Table 16. Annual Plan GHG Emissions (CO₂e) in Metric Tons and Per Capita

Source Category	Adopted 2013 Specific Plan (No Project) 2040	Proposed Ravenswood SPU Scenario #1 2040		Proposed Ravenswood SPU Scenario #2 2040	
	Loop	Loop	No Loop	Loop	No Loop
Area	10	17		20	
Energy Consumption	2,601	4,771		5,554	
Mobile ¹	22,485	56,427	56,908	63,844	64,270
Solid Waste Generation	1,219	1,862		2,125	
Water Usage	264	613		723	
Total (MT CO ₂ e/year)	26,580	63,690	64,171	72,267	72,693
Per Capita Emissions (MT CO ₂ e/year/capita)	3.48	4.41	4.45	4.26	4.29

¹ Does not include effects of *Advanced Clean Cars II* that will phase out the sale of emission vehicles by 2035.

Proposed projects built within the Ravenswood SPU would be constructed in conformance with CALGreen and the Title 24 Building Code, which requires high-efficiency water fixtures, water-efficient irrigation systems, and compliance with current energy efficacy standards. To avoid interference with statewide GHG reduction measures identified in CARB’s Scoping Plan and SB 100 goals, any project built within the Ravenswood SPU will have to conform to the following measures:

1. Avoid construction of new natural gas connections,
 - **Does not conform** – new natural gas connections are being proposed as a part of this specific plan update.
2. Avoid wasteful or inefficient use of electricity,
 - **Conforms** – Any project built within the Ravenswood SPU will be required to meet CALGreen Mandatory Measures and LEED Gold Level Certification through the U.S. Green Building Council. Ravenswood SPU uses meeting these Standards and the City’s code requirements would be considered to be energy efficient.
3. Include electric vehicle charging infrastructure that meets current Building Code CALGreen Tier 2 compliance, and
 - **Conforms** – projects developed within the plan area would be required to meet this threshold.
4. Reduce VMT per capita by 15 percent over baseline conditions.
 - **Conforms** – Residential and non-residential VMT per capita is predicted to be less than 15 percent below Year 2020 existing countywide VMT.³⁸ Due to size conditions, projects developed within the plan area would be required to implement the City’s TDM requirements which would reduction average daily trip by 40%.

³⁸ Hexagon Transportation Consultants, Inc., Ravenswood Specific Plan Update Transportation Analysis, March 7, 2023.

Based on the latest citywide travel demand model, the residential VMT per capita would be 11.68 miles and the non-residential would be 16.38 miles. With a 40% reduction in daily trips per the City's TDM ordinance, the VMT per Ravenswood SPU resident would range from 7.04 to 6.69. VMT per Ravenswood SPU employee would range from 10.82 to 10.34 under both of the Ravenswood SPU buildout scenarios, resulting in a less-than-significant impact on VMT.

Plan Consistency

BAAQMD considers a long-term communitywide plan (e.g., general plans, long-range development plans, climate action plans) to have a less-than-significant climate impact if it demonstrates that GHG emissions from the area will decline consistent with California's GHG reduction targets of 40 percent below 1990 levels by 2030 and carbon neutrality by 2045. The Ravenswood SPU is considered to fall under the category of long-range development plans. As shown in Table 16, Ravenswood SPU is predicted to increase emissions in the Plan area by up to 46,113 MT CO₂e/year through the addition of new residences and non-residential land uses. Therefore, the plan is in conflict with State goals and BAAQMD thresholds to achieve carbon neutrality by 2045.

The emissions forecast presented in Table 16 are based on current accepted modeling methods that include use of EMFAC2021 mobile emission factors, current solid waste generation rates and processing, and current emissions associated with water usage.

Mobile emissions are currently modeled to make up about 90 percent of Ravenswood SPU-generated emissions in 2040. The modeling of these emissions are based on the use of EMFAC2021 that does not include California's latest Advanced Clean Cars and Advanced Clean Trucks regulations. These regulations along with future reformulated fuel standards will reduce mobile emissions substantially. Additionally, new rules and regulations are likely to be adopted in the future, prior to 2040, that would reduce mobile emissions.

Energy use is the second highest source of GHG emissions, at about 8 percent of future emissions. These emissions were predicted based on default rates assigned by CalEEMod. GHG emissions associated with energy use are predicted based on the quantity of natural gas combusted per land use type. New measures to reduce or ban natural gas usage can greatly reduce these emissions.

Solid waste is the third highest source of GHG emissions, at about 4 percent of future emissions. These emissions were predicted based on current rates assigned by CalEEMod. GHG emissions associated with solid waste generation are predicted based on the transportation and processing of the waste stream. New measures to reduce solid waste, reducing emissions from hauling of solid waste and reuse of methane generated can greatly reduce these emissions.

Emissions associated with water usage make up about 2 percent of total Ravenswood SPU emissions. These emissions are likely to be reduced through greater water conservation efforts, use of recycled water available in the area for outdoor water usage, and the use of electricity generated from carbon-free sources.

Impact Finding

Based on current modeling, GHG emissions from Ravenswood SPU would be considered *significant*. This is based on the following findings:

1. Per capita GHG emissions are above any quantified threshold when considering future, year 2040, as a target year;
2. Ravenswood SPU cannot be demonstrated to have emissions that would meet the goal of carbon neutrality by 2045.

Proposed Specific Plan GHG Policy: Develop and Update Ravenswood SPU Policies to Reduce GHG Emissions.

Ravenswood SPU should develop policies that would support local and State efforts to reduce GHG emissions. Such policies would address the following:

- Future development projects shall comply with EV system requirements in the most recently adopted version of CALGreen Tier 2 requirements at the time a building permit application is filed.
- Develop solid waste minimization programs that include increased rates of recycling, composting of food, reuse of construction materials.
- Update Ravenswood SPU policies and implementing measures on a regular basis to measure progress and incorporate new measures to progress toward achieving carbon neutrality. Future updates to the Ravenswood SPU would respond to new local and State plans (e.g., State's upcoming scoping plan) to achieve GHG as well as new methods to more accurately model GHG emissions and implement innovative measures or project designs.

When the City adopts its revised 2030 CAP and Adaptation Strategies, it would have a qualified CAP, allowing streamlined development processing for projects in the SPU area, while conforming with GHG reduction goals.

Supporting Documentation

Attachment 1 is the methodology used to compute community 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 pollutants. Also included are any modeling assumptions.

Attachment 3 includes the EMFAC2021 emissions modeling.

Attachment 4 is the health risk assessment. This includes the summary of the dispersion modeling and the cancer risk calculations for SPU traffic increase . 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 health risk calculations, modeling results, and screening impacts from sources affecting the proposed future SPU receptors.

Attachment 1: 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 2015.³⁹ 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.⁴⁰ 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.⁴¹ 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, 95th percentile breathing rates are used for the third trimester and infant exposures, and 80th percentile breathing rates for child and adult exposures. For children at schools and daycare facilities, BAAQMD recommends using the 95th percentile 8-hour breathing rates. 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,

³⁹ 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.

⁴⁰ CARB, 2015. *Risk Management Guidance for Stationary Sources of Air Toxics*. July 23.

⁴¹ BAAQMD, 2016. *BAAQMD Air Toxics NSR Program Health Risk Assessment (HRA) Guidelines*. December 2016.

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:

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

Where:

- CPF = Cancer potency factor (mg/kg-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)

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

Where:

- C_{air} = concentration in air (µg/m³)
- 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 →	Infant	Child	Adult	
	Age Range →	3 rd Trimester	0 < 2	2 < 16	16 - 30
DPM CPF (mg/kg-day) ⁻¹		1.10E+00	1.10E+00	1.10E+00	1.10E+00
Vehicle TOG Exhaust CPF (mg/kg-day) ⁻¹		6.28E-03	6.28E-03	6.28E-03	6.28E-03
Vehicle TOG Evaporative CPF (mg/kg-day) ⁻¹		3.70E-04	3.70E-04	3.70E-04	3.70E-04
Daily Breathing Rate (L/kg-day) 95 th Percentile Rate		361	1,090	745	335
8-hour Breathing Rate (L/kg-8 hours) 95 th 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*

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

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 ($\mu\text{g}/\text{m}^3$).

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 community 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 Modeling Inputs and Outputs

Operational Criteria Air Pollutants - Unmitigated				
Unmitigated	ROG	NOX	Total PM10	Total PM2.5
Year	Tons			
Area	11.91	0.07	0.03	0.03
Energy	0.26	2.33	0.18	0.18
Mobile - Loop	7.81	7.66	11.21	2.15
Stationary				
Waste	0.00	0.00	0.00	0.00
Water	0.00	0.00	0.00	0.00
Total	19.98	10.07	11.42	2.36
Existing Use Emissions				
Total	0.00	0.00	0.00	0.00
Net Annual Operational Emissions				
Tons/year	19.98	10.07	11.42	2.36
Threshold - Tons/year	10.0	10.0	15.0	10.0
Average Daily Emissions				
Pounds Per Day	109.49	55.18	62.58	12.94
Threshold - lbs/day	54.0	54.0	82.0	54.0
Category				
CO2e				
Project 2040				
Area			10.40	
Energy			2601.36	
Mobile - Loop			22484.81	
Waste			1219.22	
Water			263.84	
TOTAL	0.00	0.00	26579.63	
Net GHG Emissions		0.00		26579.63
Service Population	7644.00			
Per Capita Emissions		0.00		3.48

Idle + 2040.1.4.L

Operational Criteria Air Pollutants - Mitigated				
Unmitigated	ROG	NOX	Total PM10	Total PM2.5
Year	Tons			
Area	10.55	0.07	0.03	0.03
Energy	0.26	2.33	0.18	0.18
Mobile - Loop	7.81	7.66	11.21	2.15
Stationary				
Waste	0.00	0.00	0.00	0.00
Water	0.00	0.00	0.00	0.00
Total	18.62	10.07	11.42	2.36
Existing Use Emissions				
Total	0.00	0.00	0.00	0.00
Net Annual Operational Emissions				
Tons/year	18.62	10.07	11.42	2.36
Threshold - Tons/year	10.0	10.0	15.0	10.0
Average Daily Emissions				
Pounds Per Day	102.01	55.18	62.58	12.94
Threshold - lbs/day	54.0	54.0	82.0	54.0

Operational Criteria Air Pollutants - Unmitigated				
Unmitigated	ROG	NOX	Total PM10	Total PM2.5
Year	Tons			
Area	21.50	0.12	0.06	0.06
Energy	0.48	4.32	0.33	0.33
Mobile - No Loop 2040	12.30	12.46	18.46	3.54
Mobile - Loop 2040	12.25	12.37	18.36	3.52
Mobile - No Loop 2020	17.95	34.34	18.87	3.97
Mobile - Loop 2020	17.89	34.19	18.79	3.95
Stationary				
Waste	0.00	0.00	0.00	0.00
Water	0.00	0.00	0.00	0.00
Total - No Loop 2040	34.28	16.89	18.85	3.93
Total - Loop 2040	34.22	16.80	18.75	3.90
Total - No Loop 2020	39.93	38.77	19.26	4.35
Total - Loop 2020	39.87	38.62	19.18	4.34
Existing Use Emissions				
Total	0.00	0.00	0.00	0.00
Net Annual Operational Emissions				
Tons/year	34.28	16.89	18.85	3.93
Threshold - Tons/year	10.0	10.0	15.0	10.0
Average Daily Emissions				
Pounds Per Day	187.83	92.56	103.26	21.51
Threshold - lbs/day	54.0	54.0	82.0	54.0

Category	CO2e			
	Project 2040			
Area				16.83
Energy				4771.25
Mobile - No Loop				56908.03
Mobile - Loop				56426.96
Waste				1861.68
Water				613.39
TOTAL - No Loop				64171.18
TOTAL - Loop				63690.11
Net GHG Emissions - No Loop		0.00		64171.18
Net GHG Emissions - Loop		0.00		63690.11
Service Population	14434.00			
Per Capita Emissions - No Loop		0.00		4.45
Per Capita Emissions - Loop		0.00		4.41

Idle + 2040.2.8.NL
Idle + 2040.2.8.L
Idle + 2020.2.8.NL
Idle + 2020.2.8.L

Operational Criteria Air Pollutants - Mitigated				
Unmitigated	ROG	NOX	Total PM10	Total PM2.5
Year	Tons			
Area	19.05	0.12	0.06	0.06
Energy	0.48	4.32	0.33	0.33
Mobile - No Loop 2040	12.30	12.46	18.46	3.54
Mobile - Loop 2040	12.25	12.37	18.36	3.52
Mobile - No Loop 2020	17.95	34.34	18.87	3.97
Mobile - Loop 2020	17.89	34.19	18.79	3.95
Stationary				
Waste	0.00	0.00	0.00	0.00
Water	0.00	0.00	0.00	0.00
Total - No Loop 2040	31.83	16.89	18.85	3.93
Total - Loop 2040	31.77	16.80	18.75	3.90
Total - No Loop 2020	37.48	38.77	19.26	4.35
Total - Loop 2020	37.42	38.62	19.18	4.34
Existing Use Emissions				
Total	0.00	0.00	0.00	0.00
Net Annual Operational Emissions				
Tons/year	31.83	16.89	18.85	3.93
Threshold - Tons/year	10.0	10.0	15.0	10.0
Average Daily Emissions				
Pounds Per Day	174.40	92.56	103.26	21.51
Threshold - lbs/day	54.0	54.0	82.0	54.0

Operational Criteria Air Pollutants - Unmitigated				
Unmitigated	ROG	NOX	Total PM10	Total PM2.5
Year	Tons			
Area	25.28	0.14	0.07	0.07
Energy	0.56	5.03	0.39	0.39
Mobile - No Loop 2040	13.78	14.03	20.83	3.99
Mobile - Loop 2040	13.74	13.94	20.74	3.98
Mobile - No Loop 2020	19.81	37.64	20.68	4.35
Mobile - Loop 2020	19.75	37.49	20.59	4.33
Stationary				
Waste	0.00	0.00	0.00	0.00
Water	0.00	0.00	0.00	0.00
Total - No Loop 2040	39.62	19.19	21.28	4.45
Total - Loop 2040	39.58	19.10	21.19	4.43
Total - No Loop 2020	45.65	42.80	21.13	4.80
Total - Loop 2020	45.59	42.65	21.04	4.78
Existing Use Emissions				
Total	0.00	0.00	0.00	0.00
Net Annual Operational Emissions				
Tons/year	39.62	19.19	21.28	4.45
Threshold - Tons/year	10.0	10.0	15.0	10.0
Average Daily Emissions				
Pounds Per Day	217.11	105.17	116.59	24.36
Threshold - lbs/day	54.0	54.0	82.0	54.0
CO2e				
Area			Project 2040	19.94
Energy				5554.22
Mobile - No Loop				64269.62
Mobile - Loop				63843.66
Waste				2125.35
Water				723.49
TOTAL - No Loop				72692.62
TOTAL - Loop				72266.67
Net GHG Emissions - No Loop		0.00		72692.62
Net GHG Emissions - Loop		0.00		72266.67
Service Population	16960.00			
Per Capita Emissions - No Loop		0.00		4.29
Per Capita Emissions - Loop		0.00		4.26

Idle + 2040.3.35.NL
Idle + 2040.3.35.L
Idle + 2020.3.35.NL
Idle + 2020.3.35.L

Operational Criteria Air Pollutants - Mitigated				
Unmitigated	ROG	NOX	Total PM10	Total PM2.5
Year	Tons			
Area	22.40	0.14	0.07	0.07
Energy	0.56	5.03	0.39	0.39
Mobile - No Loop 2040	13.78	14.03	20.83	3.99
Mobile - Loop 2040	13.74	13.94	20.74	3.98
Mobile - No Loop 2020	19.81	37.64	20.68	4.35
Mobile - Loop 2020	19.75	37.49	20.59	4.33
Stationary				
Waste	0.00	0.00	0.00	0.00
Water	0.00	0.00	0.00	0.00
Total - No Loop 2040	36.74	19.19	21.28	4.45
Total - Loop 2040	36.69	19.10	21.19	4.43
Total - No Loop 2020	42.76	42.80	21.13	4.80
Total - Loop 2020	42.71	42.65	21.04	4.78
Existing Use Emissions				
Total	0.00	0.00	0.00	0.00
Net Annual Operational Emissions				
Tons/year	36.74	19.19	21.28	4.45
Threshold - Tons/year	10.0	10.0	15.0	10.0
Average Daily Emissions				
Pounds Per Day	201.32	105.17	116.59	24.36
Threshold - lbs/day	54.0	54.0	82.0	54.0

Land Use	Traffic Consultant Trip Gen				CalEEMod Default		
	Size	Daily Trips	New Trips	Weekday Trip Gen	Weekday	Sat	Sun
Apartments Mid Rise <i>TDM Reduction (40%)</i>	816	3705 -1482	2223	2.72	5.44 Rev	4.91 2.46	4.09 2.05
City Park <i>TDM Reduction (40%)</i>	30	23 -9.2	14	0.46	0.78 Rev	1.96 1.16	2.19 1.29
Fast Food Restaurant <i>TDM Reduction (40%)</i>	18.1	6010 -2404	3606	199.23	346.23 Rev	696 400.49	500 287.71
General Light (Heavy) Industry <i>TDM Reduction (40%)</i>	179.18	1430 -572	858	4.79	3.93 Rev	6.42 7.82	5.09 6.20
General Office Building <i>TDM Reduction (40%)</i>	1235.65	13394 -5357.6	8036	6.50	9.74 Rev	2.21 1.48	0.7 0.47
Government (Civic Center) <i>TDM Reduction (40%)</i>	29.89	861 -344.4	517	17.28	33.98 Rev	0 0.00	0 0.00
Government Office Building <i>TDM Reduction (40%)</i>	23.18	524 -209.6	314	13.56	22.59 Rev	0 0.00	0 0.00
High Turnover Restaurant <i>TDM Reduction (40%)</i>	12.59	1350 -540	810	64.34	112.18 Rev	122.4 70.20	142.64 81.81
Library <i>TDM Reduction (40%)</i>	4.58	330 -132	198	43.23	72.05 Rev	80.09 48.06	42.09 25.25
Quality Restaurant <i>TDM Reduction (40%)</i>	8.65	726 -290.4	436	50.36	83.84 Rev	90.04 54.08	71.97 43.23
Regional Shopping Center <i>TDM Reduction (40%)</i>	73.06	5429 -2171.6	3257	44.59	37.75 Rev	46.12 54.47	21.1 24.92
Research and Development <i>TDM Reduction (40%)</i>	176	1950 -780	1170	6.65	11.26 Rev	1.9 1.12	1.11 0.66
Single Family Housing <i>TDM Reduction (40%)</i>	19	179 -71.6	107	5.65	9.44 Rev	9.54 5.71	8.55 5.12

Land Use	Traffic Consultant Trip Gen				CalEEMod Default		
	Size	Daily Trips	New Trips	Weekday Trip Gen	Weekday	Sat	Sun
Apartments Mid Rise <i>TDM Reduction (40%)</i>	1270	5766 -2306.4	3460	2.72	5.44 Rev	4.91 2.46	4.09 2.05
City Park <i>TDM Reduction (40%)</i>	30	23 -9.2	14	0.46	0.78 Rev	1.96 1.16	2.19 1.29
Fast Food Restaurant <i>TDM Reduction (40%)</i>	18.1	6010 -2404	3606	199.23	346.23 Rev	696 400.49	500 287.71
General Light (Heavy) Industry <i>TDM Reduction (40%)</i>	263.51	1939 -775.6	1163	4.42	3.93 Rev	6.42 7.21	5.09 5.72
General Office Building <i>TDM Reduction (40%)</i>	1802.95	19544 -7817.6	11726	6.50	9.74 Rev	2.21 1.48	0.7 0.47
Government (Civic Center) <i>TDM Reduction (40%)</i>	75.8	2185 -874	1311	17.30	33.98 Rev	0 0.00	0 0.00
Government Office Building <i>TDM Reduction (40%)</i>	58.79	1328 -531.2	797	13.55	22.59 Rev	0 0.00	0 0.00
High Turnover Restaurant <i>TDM Reduction (40%)</i>	12.59	1350 -540	810	64.34	112.18 Rev	122.4 70.20	142.64 81.81
Library <i>TDM Reduction (40%)</i>	11.6	836 -334.4	502	43.24	72.05 Rev	80.09 48.07	42.09 25.26
Quality Restaurant <i>TDM Reduction (40%)</i>	8.65	726 -290.4	436	50.36	83.84 Rev	90.04 54.08	71.97 43.23
Regional Shopping Center <i>TDM Reduction (40%)</i>	73.06	5429 -2171.6	3257	44.59	37.75 Rev	46.12 54.47	21.1 24.92
Research and Development <i>TDM Reduction (40%)</i>	988.4	10951 -4380.4	6571	6.65	11.26 Rev	1.9 1.12	1.11 0.66
Single Family Housing <i>TDM Reduction (40%)</i>	80	754 -301.6	452	5.66	9.44 Rev	9.54 5.71	8.55 5.12

Land Use	Traffic Consultant Trip Gen				CalEEMod Default		
	Size	Daily Trips	New Trips	Weekday Trip Gen	Weekday	Sat	Sun
Apartments Mid Rise <i>TDM Reduction (40%)</i>	1520	6901 -2760.4	4141	2.72	5.44 Rev	4.91 2.46	4.09 2.05
City Park <i>TDM Reduction (40%)</i>	30	23 -9.2	14	0.46	0.78 Rev	1.96 1.16	2.19 1.29
Fast Food Restaurant <i>TDM Reduction (40%)</i>	18.1	6010 -2404	3606	199.23	346.23 Rev	696 400.49	500 287.71
General Light (Heavy) Industry <i>TDM Reduction (40%)</i>	333.51	2182 -872.8	1309	3.93	3.93 Rev	6.42 6.41	5.09 5.08
General Office Building <i>TDM Reduction (40%)</i>	2135.1	23144 -9257.6	13886	6.50	9.74 Rev	2.21 1.48	0.7 0.47
Government (Civic Center) <i>TDM Reduction (40%)</i>	75.8	2185 -874	1311	17.30	33.98 Rev	0 0.00	0 0.00
Government Office Building <i>TDM Reduction (40%)</i>	58.79	1328 -531.2	797	13.55	22.59 Rev	0 0.00	0 0.00
High Turnover Restaurant <i>TDM Reduction (40%)</i>	12.59	1350 -540	810	64.34	112.18 Rev	122.4 70.20	142.64 81.81
Library <i>TDM Reduction (40%)</i>	11.6	836 -334.4	502	43.24	72.05 Rev	80.09 48.07	42.09 25.26
Quality Restaurant <i>TDM Reduction (40%)</i>	8.65	726 -290.4	436	50.36	83.84 Rev	90.04 54.08	71.97 43.23
Regional Shopping Center <i>TDM Reduction (40%)</i>	73.06	5429 -2171.6	3257	44.59	37.75 Rev	46.12 54.47	21.1 24.92
Research and Development <i>TDM Reduction (40%)</i>	1167.25	12933 -5173.2	7760	6.65	11.26 Rev	1.9 1.12	1.11 0.66
Single Family Housing <i>TDM Reduction (40%)</i>	80	754 -301.6	452	5.66	9.44 Rev	9.54 5.71	8.55 5.12

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	1,235.65	1000sqft	28.37	1,235,650.00	0
Government (Civic Center)	29.89	1000sqft	0.69	29,890.00	0
Government Office Building	23.18	1000sqft	0.53	23,180.00	0
Research & Development	176.00	1000sqft	4.04	176,000.00	0
Library	4.58	1000sqft	0.11	4,580.00	0
General Heavy Industry	179.18	1000sqft	4.11	179,180.00	0
City Park	30.00	Acre	30.00	1,306,800.00	0
Fast Food Restaurant w/o Drive Thru	18.10	1000sqft	0.42	18,100.00	0
High Turnover (Sit Down Restaurant)	12.59	1000sqft	0.29	12,590.00	0
Quality Restaurant	8.65	1000sqft	0.20	8,650.00	0
Apartments Mid Rise	816.00	Dwelling Unit	21.47	816,000.00	2334
Single Family Housing	19.00	Dwelling Unit	6.17	34,200.00	54
Regional Shopping Center	73.06	1000sqft	1.68	73,060.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	70
Climate Zone	5			Operational Year	2040
Utility Company	Silicon Valley Clean Energy				
CO2 Intensity (lb/MW hr)	2	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

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Project Characteristics -

Vehicle Trips - 0 mile trips to capture idle emissions.

Vehicle Emission Factors - Emission factors from EMFAC2021

Woodstoves - No hearths/fireplaces

Area Coating -

Energy Use - Defaults

Water And Wastewater - 100% aerobic

Area Mitigation - Assuming arch coating mitigation.

Fleet Mix - Fleet mix from EMFAC2021

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	150	15
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	10
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	150	15
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	150	15
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	100	10
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
tblFireplaces	NumberGas	122.40	0.00
tblFireplaces	NumberGas	4.75	0.00
tblFireplaces	NumberNoFireplace	32.64	0.00
tblFireplaces	NumberNoFireplace	1.52	0.00
tblFireplaces	NumberWood	138.72	0.00
tblFireplaces	NumberWood	8.17	0.00

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tblFleetMix	HHD	1.4790e-003	8.4000e-003
tblFleetMix	HHD	1.4790e-003	8.4000e-003
tblFleetMix	HHD	1.4790e-003	8.4000e-003
tblFleetMix	HHD	1.4790e-003	8.4000e-003
tblFleetMix	HHD	1.4790e-003	8.4000e-003
tblFleetMix	HHD	1.4790e-003	8.4000e-003
tblFleetMix	HHD	1.4790e-003	8.4000e-003
tblFleetMix	HHD	1.4790e-003	8.4000e-003
tblFleetMix	HHD	1.4790e-003	8.4000e-003
tblFleetMix	HHD	1.4790e-003	8.4000e-003
tblFleetMix	HHD	1.4790e-003	8.4000e-003
tblFleetMix	HHD	1.4790e-003	8.4000e-003
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDT1	0.08	0.04
tblFleetMix	LDT1	0.08	0.04
tblFleetMix	LDT1	0.08	0.04

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tblFleetMix	LDT1	0.08	0.04
tblFleetMix	LDT1	0.08	0.04
tblFleetMix	LDT1	0.08	0.04
tblFleetMix	LDT1	0.08	0.04
tblFleetMix	LDT1	0.08	0.04
tblFleetMix	LDT1	0.08	0.04
tblFleetMix	LDT1	0.08	0.04
tblFleetMix	LDT1	0.08	0.04
tblFleetMix	LDT1	0.08	0.04
tblFleetMix	LDT1	0.08	0.04
tblFleetMix	LDT1	0.08	0.04
tblFleetMix	LDT2	0.25	0.33
tblFleetMix	LDT2	0.25	0.33
tblFleetMix	LDT2	0.25	0.33
tblFleetMix	LDT2	0.25	0.33
tblFleetMix	LDT2	0.25	0.33
tblFleetMix	LDT2	0.25	0.33
tblFleetMix	LDT2	0.25	0.33
tblFleetMix	LDT2	0.25	0.33
tblFleetMix	LDT2	0.25	0.33
tblFleetMix	LDT2	0.25	0.33
tblFleetMix	LDT2	0.25	0.33
tblFleetMix	LDT2	0.25	0.33
tblFleetMix	LDT2	0.25	0.33
tblFleetMix	LDT2	0.25	0.33
tblFleetMix	LDT2	0.25	0.33
tblFleetMix	LDT2	0.25	0.33
tblFleetMix	LDT2	0.25	0.33
tblFleetMix	LDT2	0.25	0.33
tblFleetMix	LDT2	0.25	0.33
tblFleetMix	LHD1	0.03	0.04
tblFleetMix	LHD1	0.03	0.04
tblFleetMix	LHD1	0.03	0.04
tblFleetMix	LHD1	0.03	0.04
tblFleetMix	LHD1	0.03	0.04

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tblFleetMix	MH	3.4360e-003	7.7900e-004
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	SBUS	4.5200e-004	4.9200e-004

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tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.21	0.07
tblVehicleEF	HHD	3.0000e-006	0.00
tblVehicleEF	HHD	5.91	4.18
tblVehicleEF	HHD	1.13	0.86

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tblVehicleEF	HHD	0.06	7.4700e-003
tblVehicleEF	HHD	795.07	568.19
tblVehicleEF	HHD	1,196.93	1,120.89
tblVehicleEF	HHD	0.43	0.08
tblVehicleEF	HHD	0.13	0.09
tblVehicleEF	HHD	0.20	0.18
tblVehicleEF	HHD	1.2300e-004	5.0000e-006
tblVehicleEF	HHD	4.96	2.57
tblVehicleEF	HHD	2.44	1.15
tblVehicleEF	HHD	2.37	2.19
tblVehicleEF	HHD	2.0090e-003	1.3500e-003
tblVehicleEF	HHD	0.06	0.09
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	5.0000e-006	1.0000e-006
tblVehicleEF	HHD	1.9220e-003	1.2850e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8040e-003	8.6510e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	5.0000e-006	1.0000e-006
tblVehicleEF	HHD	1.1000e-005	2.4800e-004
tblVehicleEF	HHD	5.6300e-004	3.7000e-005
tblVehicleEF	HHD	0.38	0.25
tblVehicleEF	HHD	8.0000e-006	0.00
tblVehicleEF	HHD	0.03	0.01
tblVehicleEF	HHD	2.5300e-004	4.7000e-004
tblVehicleEF	HHD	1.6000e-005	1.0000e-006
tblVehicleEF	HHD	6.9550e-003	4.6160e-003
tblVehicleEF	HHD	9.7380e-003	9.6340e-003

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tblVehicleEF	HHD	4.0000e-006	1.0000e-006
tblVehicleEF	HHD	1.1000e-005	2.4800e-004
tblVehicleEF	HHD	5.6300e-004	3.7000e-005
tblVehicleEF	HHD	0.45	0.41
tblVehicleEF	HHD	8.0000e-006	0.00
tblVehicleEF	HHD	0.24	0.09
tblVehicleEF	HHD	2.5300e-004	4.7000e-004
tblVehicleEF	HHD	1.8000e-005	1.0000e-006
tblVehicleEF	LDA	5.3300e-004	7.7400e-004
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.33	0.37
tblVehicleEF	LDA	1.43	1.56
tblVehicleEF	LDA	178.54	191.85
tblVehicleEF	LDA	36.90	48.45
tblVehicleEF	LDA	2.7360e-003	2.4700e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.11	0.14
tblVehicleEF	LDA	0.04	6.3930e-003
tblVehicleEF	LDA	5.1600e-004	4.6700e-004
tblVehicleEF	LDA	7.3100e-004	8.5000e-004
tblVehicleEF	LDA	0.02	2.2370e-003
tblVehicleEF	LDA	4.7500e-004	4.3000e-004
tblVehicleEF	LDA	6.7200e-004	7.8200e-004
tblVehicleEF	LDA	0.01	0.17
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.00
tblVehicleEF	LDA	1.5930e-003	2.4260e-003
tblVehicleEF	LDA	0.03	0.13

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tblVehicleEF	LDA	0.07	0.12
tblVehicleEF	LDA	1.7660e-003	1.8970e-003
tblVehicleEF	LDA	3.6500e-004	4.7900e-004
tblVehicleEF	LDA	0.01	0.17
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.00
tblVehicleEF	LDA	2.3110e-003	3.5400e-003
tblVehicleEF	LDA	0.03	0.13
tblVehicleEF	LDA	0.08	0.14
tblVehicleEF	LDT1	6.2700e-004	1.0490e-003
tblVehicleEF	LDT1	0.02	0.04
tblVehicleEF	LDT1	0.35	0.46
tblVehicleEF	LDT1	1.53	1.82
tblVehicleEF	LDT1	213.59	250.13
tblVehicleEF	LDT1	44.47	62.08
tblVehicleEF	LDT1	2.7360e-003	3.0530e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.12	0.18
tblVehicleEF	LDT1	0.04	8.0580e-003
tblVehicleEF	LDT1	5.8400e-004	5.7500e-004
tblVehicleEF	LDT1	8.3600e-004	1.0080e-003
tblVehicleEF	LDT1	0.02	2.8200e-003
tblVehicleEF	LDT1	5.3700e-004	5.2900e-004
tblVehicleEF	LDT1	7.6800e-004	9.2700e-004
tblVehicleEF	LDT1	0.02	0.24
tblVehicleEF	LDT1	0.04	0.05
tblVehicleEF	LDT1	0.02	0.00
tblVehicleEF	LDT1	1.9050e-003	3.4840e-003

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tblVehicleEF	LDT1	0.04	0.18
tblVehicleEF	LDT1	0.08	0.15
tblVehicleEF	LDT1	2.1140e-003	2.4730e-003
tblVehicleEF	LDT1	4.4000e-004	6.1400e-004
tblVehicleEF	LDT1	0.02	0.24
tblVehicleEF	LDT1	0.04	0.05
tblVehicleEF	LDT1	0.02	0.00
tblVehicleEF	LDT1	2.7800e-003	5.0840e-003
tblVehicleEF	LDT1	0.04	0.18
tblVehicleEF	LDT1	0.08	0.16
tblVehicleEF	LDT2	8.1000e-004	1.1870e-003
tblVehicleEF	LDT2	0.02	0.04
tblVehicleEF	LDT2	0.40	0.49
tblVehicleEF	LDT2	1.92	2.11
tblVehicleEF	LDT2	213.70	258.89
tblVehicleEF	LDT2	44.48	64.13
tblVehicleEF	LDT2	2.9600e-003	3.1860e-003
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.12	0.20
tblVehicleEF	LDT2	0.04	7.9860e-003
tblVehicleEF	LDT2	5.9700e-004	5.5100e-004
tblVehicleEF	LDT2	7.7900e-004	9.1800e-004
tblVehicleEF	LDT2	0.02	2.7950e-003
tblVehicleEF	LDT2	5.5100e-004	5.0700e-004
tblVehicleEF	LDT2	7.1600e-004	8.4400e-004
tblVehicleEF	LDT2	0.02	0.18
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.03	0.00

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tblVehicleEF	LDT2	2.6610e-003	3.9270e-003
tblVehicleEF	LDT2	0.04	0.14
tblVehicleEF	LDT2	0.10	0.17
tblVehicleEF	LDT2	2.1140e-003	2.5590e-003
tblVehicleEF	LDT2	4.4000e-004	6.3400e-004
tblVehicleEF	LDT2	0.02	0.18
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.03	0.00
tblVehicleEF	LDT2	3.8430e-003	5.7160e-003
tblVehicleEF	LDT2	0.04	0.14
tblVehicleEF	LDT2	0.11	0.18
tblVehicleEF	LHD1	3.2880e-003	2.5710e-003
tblVehicleEF	LHD1	3.8290e-003	1.3980e-003
tblVehicleEF	LHD1	5.3230e-003	8.7860e-003
tblVehicleEF	LHD1	0.17	0.13
tblVehicleEF	LHD1	0.36	0.28
tblVehicleEF	LHD1	0.77	1.52
tblVehicleEF	LHD1	7.53	5.41
tblVehicleEF	LHD1	634.61	435.86
tblVehicleEF	LHD1	8.69	11.02
tblVehicleEF	LHD1	6.8700e-004	3.9800e-004
tblVehicleEF	LHD1	0.04	0.02
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	0.16	0.18
tblVehicleEF	LHD1	9.8700e-004	5.0100e-004
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	9.9810e-003	8.9410e-003

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tblVehicleEF	LHD1	4.9160e-003	4.7470e-003
tblVehicleEF	LHD1	1.8100e-004	5.2000e-005
tblVehicleEF	LHD1	9.4400e-004	4.7900e-004
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	2.4950e-003	2.2350e-003
tblVehicleEF	LHD1	4.6620e-003	4.5230e-003
tblVehicleEF	LHD1	1.6600e-004	4.8000e-005
tblVehicleEF	LHD1	7.2000e-004	0.05
tblVehicleEF	LHD1	0.03	8.5800e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	5.5600e-004	0.00
tblVehicleEF	LHD1	0.06	0.02
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.02	0.04
tblVehicleEF	LHD1	7.3000e-005	5.3000e-005
tblVehicleEF	LHD1	6.1830e-003	4.2510e-003
tblVehicleEF	LHD1	8.6000e-005	1.0900e-004
tblVehicleEF	LHD1	7.2000e-004	0.05
tblVehicleEF	LHD1	0.03	8.5800e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	5.5600e-004	0.00
tblVehicleEF	LHD1	0.07	0.03
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.03	0.04
tblVehicleEF	LHD2	2.0450e-003	1.8110e-003
tblVehicleEF	LHD2	4.7190e-003	2.2930e-003
tblVehicleEF	LHD2	2.8720e-003	5.3560e-003
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.46	0.22

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tblVehicleEF	LHD2	0.44	1.08
tblVehicleEF	LHD2	11.85	12.71
tblVehicleEF	LHD2	622.15	466.43
tblVehicleEF	LHD2	5.67	7.53
tblVehicleEF	LHD2	1.5290e-003	1.6210e-003
tblVehicleEF	LHD2	0.06	0.05
tblVehicleEF	LHD2	8.4020e-003	0.01
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.10	0.14
tblVehicleEF	LHD2	0.09	0.11
tblVehicleEF	LHD2	1.5010e-003	1.4830e-003
tblVehicleEF	LHD2	0.09	0.07
tblVehicleEF	LHD2	0.01	9.7930e-003
tblVehicleEF	LHD2	0.01	9.6290e-003
tblVehicleEF	LHD2	1.0200e-004	3.3000e-005
tblVehicleEF	LHD2	1.4360e-003	1.4190e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.7180e-003	2.4480e-003
tblVehicleEF	LHD2	0.01	9.2040e-003
tblVehicleEF	LHD2	9.4000e-005	3.0000e-005
tblVehicleEF	LHD2	3.8500e-004	0.04
tblVehicleEF	LHD2	0.01	5.9130e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.0000e-004	0.00
tblVehicleEF	LHD2	0.09	0.05
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.1300e-004	1.2100e-004
tblVehicleEF	LHD2	5.9990e-003	4.4820e-003

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tblVehicleEF	LHD2	5.6000e-005	7.4000e-005
tblVehicleEF	LHD2	3.8500e-004	0.04
tblVehicleEF	LHD2	0.01	5.9130e-003
tblVehicleEF	LHD2	0.02	0.01
tblVehicleEF	LHD2	3.0000e-004	0.00
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.03
tblVehicleEF	MCY	0.32	0.13
tblVehicleEF	MCY	0.25	0.13
tblVehicleEF	MCY	17.43	9.36
tblVehicleEF	MCY	9.50	7.65
tblVehicleEF	MCY	212.46	185.35
tblVehicleEF	MCY	57.97	35.89
tblVehicleEF	MCY	0.07	0.03
tblVehicleEF	MCY	0.02	4.3090e-003
tblVehicleEF	MCY	1.14	0.46
tblVehicleEF	MCY	0.27	0.06
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	2.2680e-003	2.1450e-003
tblVehicleEF	MCY	3.0590e-003	3.7310e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	2.1140e-003	2.0000e-003
tblVehicleEF	MCY	2.8530e-003	3.4800e-003
tblVehicleEF	MCY	0.66	2.41
tblVehicleEF	MCY	0.55	3.53
tblVehicleEF	MCY	0.40	0.00
tblVehicleEF	MCY	2.12	0.75
tblVehicleEF	MCY	0.40	3.66

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tblVehicleEF	MCY	1.86	0.89
tblVehicleEF	MCY	2.1020e-003	1.8320e-003
tblVehicleEF	MCY	5.7400e-004	3.5500e-004
tblVehicleEF	MCY	0.66	0.06
tblVehicleEF	MCY	0.55	3.53
tblVehicleEF	MCY	0.40	0.00
tblVehicleEF	MCY	2.66	0.94
tblVehicleEF	MCY	0.40	3.66
tblVehicleEF	MCY	2.03	0.96
tblVehicleEF	MDV	7.9300e-004	1.1910e-003
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.39	0.49
tblVehicleEF	MDV	1.90	2.09
tblVehicleEF	MDV	258.05	308.01
tblVehicleEF	MDV	52.47	75.95
tblVehicleEF	MDV	4.0370e-003	3.5510e-003
tblVehicleEF	MDV	0.02	0.03
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.13	0.21
tblVehicleEF	MDV	0.04	8.0170e-003
tblVehicleEF	MDV	5.7800e-004	5.3800e-004
tblVehicleEF	MDV	7.8400e-004	9.2200e-004
tblVehicleEF	MDV	0.02	2.8060e-003
tblVehicleEF	MDV	5.3300e-004	4.9500e-004
tblVehicleEF	MDV	7.2100e-004	8.4700e-004
tblVehicleEF	MDV	0.03	0.19
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.04	0.00
tblVehicleEF	MDV	2.6200e-003	3.9590e-003

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tblVehicleEF	MDV	0.04	0.15
tblVehicleEF	MDV	0.10	0.17
tblVehicleEF	MDV	2.5500e-003	3.0440e-003
tblVehicleEF	MDV	5.1900e-004	7.5100e-004
tblVehicleEF	MDV	0.03	0.19
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.04	0.00
tblVehicleEF	MDV	3.7760e-003	5.7640e-003
tblVehicleEF	MDV	0.04	0.15
tblVehicleEF	MDV	0.11	0.19
tblVehicleEF	MH	3.6920e-003	3.9290e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.18	0.18
tblVehicleEF	MH	1.50	1.65
tblVehicleEF	MH	1,238.57	1,647.57
tblVehicleEF	MH	13.88	19.01
tblVehicleEF	MH	0.05	0.07
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	0.80	0.92
tblVehicleEF	MH	0.21	0.23
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.7280e-003	7.8210e-003
tblVehicleEF	MH	2.1900e-004	2.3900e-004
tblVehicleEF	MH	0.06	0.02
tblVehicleEF	MH	3.2980e-003	3.3470e-003
tblVehicleEF	MH	6.4000e-003	7.4470e-003
tblVehicleEF	MH	2.0200e-004	2.2000e-004
tblVehicleEF	MH	0.16	7.30

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tblVehicleEF	MH	0.01	1.36
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	2.1570e-003	0.04
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	1.3700e-004	1.8800e-004
tblVehicleEF	MH	0.16	7.30
tblVehicleEF	MH	0.01	1.36
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.1570e-003	0.04
tblVehicleEF	MH	0.07	0.08
tblVehicleEF	MHD	3.9150e-003	0.01
tblVehicleEF	MHD	7.7500e-004	7.2000e-003
tblVehicleEF	MHD	8.4570e-003	6.4510e-003
tblVehicleEF	MHD	0.38	0.44
tblVehicleEF	MHD	0.12	0.07
tblVehicleEF	MHD	0.79	0.61
tblVehicleEF	MHD	48.34	82.32
tblVehicleEF	MHD	878.88	681.64
tblVehicleEF	MHD	8.10	6.46
tblVehicleEF	MHD	6.7790e-003	0.01
tblVehicleEF	MHD	0.11	0.08
tblVehicleEF	MHD	8.4300e-003	4.8760e-003
tblVehicleEF	MHD	0.25	0.29
tblVehicleEF	MHD	1.32	0.21
tblVehicleEF	MHD	1.67	0.64
tblVehicleEF	MHD	6.7000e-005	1.4500e-004

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tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	6.4260e-003	1.8800e-003
tblVehicleEF	MHD	1.1700e-004	8.7000e-005
tblVehicleEF	MHD	6.5000e-005	1.3800e-004
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	6.1420e-003	1.7920e-003
tblVehicleEF	MHD	1.0800e-004	8.0000e-005
tblVehicleEF	MHD	2.2900e-004	0.01
tblVehicleEF	MHD	0.01	2.1090e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.7800e-004	0.00
tblVehicleEF	MHD	9.7870e-003	5.1800e-003
tblVehicleEF	MHD	0.01	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	4.5900e-004	7.4800e-004
tblVehicleEF	MHD	8.3840e-003	6.4520e-003
tblVehicleEF	MHD	8.0000e-005	6.4000e-005
tblVehicleEF	MHD	2.2900e-004	0.01
tblVehicleEF	MHD	0.01	2.1090e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.7800e-004	0.00
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.01	0.03
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	OBUS	6.9130e-003	6.9360e-003
tblVehicleEF	OBUS	1.4100e-003	0.01
tblVehicleEF	OBUS	0.01	5.6630e-003
tblVehicleEF	OBUS	0.66	0.47
tblVehicleEF	OBUS	0.18	0.14

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tblVehicleEF	OBUS	1.30	0.56
tblVehicleEF	OBUS	92.47	78.56
tblVehicleEF	OBUS	1,103.58	1,061.89
tblVehicleEF	OBUS	11.53	5.18
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.12	0.15
tblVehicleEF	OBUS	0.01	4.3310e-003
tblVehicleEF	OBUS	0.46	0.23
tblVehicleEF	OBUS	1.48	0.50
tblVehicleEF	OBUS	1.18	0.76
tblVehicleEF	OBUS	1.5000e-004	1.4900e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	8.0440e-003	5.6120e-003
tblVehicleEF	OBUS	1.6400e-004	6.2000e-005
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	7.6820e-003	5.3650e-003
tblVehicleEF	OBUS	1.5100e-004	5.7000e-005
tblVehicleEF	OBUS	7.6900e-004	0.03
tblVehicleEF	OBUS	0.01	4.7320e-003
tblVehicleEF	OBUS	0.05	0.03
tblVehicleEF	OBUS	4.4500e-004	0.00
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	0.07	0.03
tblVehicleEF	OBUS	8.7700e-004	7.3300e-004
tblVehicleEF	OBUS	0.01	9.9780e-003
tblVehicleEF	OBUS	1.1400e-004	5.1000e-005
tblVehicleEF	OBUS	7.6900e-004	0.03
tblVehicleEF	OBUS	0.01	4.7320e-003

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tblVehicleEF	OBUS	0.06	0.04
tblVehicleEF	OBUS	4.4500e-004	0.00
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	0.07	0.03
tblVehicleEF	SBUS	0.24	0.11
tblVehicleEF	SBUS	2.2250e-003	0.05
tblVehicleEF	SBUS	0.02	7.4360e-003
tblVehicleEF	SBUS	8.79	2.74
tblVehicleEF	SBUS	0.18	0.24
tblVehicleEF	SBUS	2.83	0.97
tblVehicleEF	SBUS	370.78	158.01
tblVehicleEF	SBUS	765.30	592.96
tblVehicleEF	SBUS	16.02	5.84
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	0.02	6.0600e-003
tblVehicleEF	SBUS	1.00	0.38
tblVehicleEF	SBUS	0.61	0.24
tblVehicleEF	SBUS	1.37	0.46
tblVehicleEF	SBUS	2.3900e-004	1.5500e-004
tblVehicleEF	SBUS	0.74	0.04
tblVehicleEF	SBUS	9.1990e-003	9.6300e-003
tblVehicleEF	SBUS	4.3280e-003	1.9510e-003
tblVehicleEF	SBUS	2.9400e-004	9.8000e-005
tblVehicleEF	SBUS	2.2800e-004	1.4600e-004
tblVehicleEF	SBUS	0.32	0.01
tblVehicleEF	SBUS	2.3000e-003	2.4080e-003
tblVehicleEF	SBUS	4.0980e-003	1.8460e-003

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tblVehicleEF	SBUS	2.7100e-004	9.0000e-005
tblVehicleEF	SBUS	2.4850e-003	0.07
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.08	0.32
tblVehicleEF	SBUS	1.4400e-003	0.00
tblVehicleEF	SBUS	0.02	8.8330e-003
tblVehicleEF	SBUS	0.03	0.05
tblVehicleEF	SBUS	0.12	0.04
tblVehicleEF	SBUS	3.6000e-003	1.4240e-003
tblVehicleEF	SBUS	7.4530e-003	5.5490e-003
tblVehicleEF	SBUS	1.5900e-004	5.8000e-005
tblVehicleEF	SBUS	2.4850e-003	0.07
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.57	0.50
tblVehicleEF	SBUS	1.4400e-003	0.00
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.03	0.05
tblVehicleEF	SBUS	0.13	0.05
tblVehicleEF	UBUS	1.75	0.10
tblVehicleEF	UBUS	0.01	3.6530e-003
tblVehicleEF	UBUS	13.25	1.23
tblVehicleEF	UBUS	0.82	0.81
tblVehicleEF	UBUS	1,615.08	197.83
tblVehicleEF	UBUS	7.48	4.66
tblVehicleEF	UBUS	0.27	0.02
tblVehicleEF	UBUS	7.2400e-003	6.4160e-003
tblVehicleEF	UBUS	0.68	0.03
tblVehicleEF	UBUS	0.10	0.04
tblVehicleEF	UBUS	0.08	1.85

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tblVehicleTrips	CC_TL	7.30	0.00
tblVehicleTrips	CC_TL	7.30	0.00
tblVehicleTrips	CC_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	HO_TL	5.70	0.00
tblVehicleTrips	HO_TL	5.70	0.00
tblVehicleTrips	HS_TL	4.80	0.00
tblVehicleTrips	HS_TL	4.80	0.00

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tblVehicleTrips	HW_TL	10.80	0.00
tblVehicleTrips	HW_TL	10.80	0.00
tblVehicleTrips	ST_TR	4.91	2.46
tblVehicleTrips	ST_TR	1.96	1.16
tblVehicleTrips	ST_TR	696.00	400.49
tblVehicleTrips	ST_TR	6.42	7.82
tblVehicleTrips	ST_TR	2.21	1.48
tblVehicleTrips	ST_TR	122.40	70.20
tblVehicleTrips	ST_TR	80.09	48.06
tblVehicleTrips	ST_TR	90.04	54.08
tblVehicleTrips	ST_TR	46.12	54.57
tblVehicleTrips	ST_TR	1.90	1.12
tblVehicleTrips	ST_TR	9.54	5.71
tblVehicleTrips	SU_TR	4.09	2.05
tblVehicleTrips	SU_TR	2.19	1.29
tblVehicleTrips	SU_TR	500.00	287.71
tblVehicleTrips	SU_TR	5.09	6.20
tblVehicleTrips	SU_TR	0.70	0.47
tblVehicleTrips	SU_TR	142.64	81.81
tblVehicleTrips	SU_TR	42.09	25.25
tblVehicleTrips	SU_TR	71.97	43.23
tblVehicleTrips	SU_TR	21.10	24.92
tblVehicleTrips	SU_TR	1.11	0.66
tblVehicleTrips	SU_TR	8.55	5.12
tblVehicleTrips	WD_TR	5.44	2.72
tblVehicleTrips	WD_TR	0.78	0.46
tblVehicleTrips	WD_TR	346.23	199.23
tblVehicleTrips	WD_TR	3.93	4.79
tblVehicleTrips	WD_TR	9.74	6.50

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

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
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
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	16.32	0.00
tblWoodstoves	NumberCatalytic	0.76	0.00
tblWoodstoves	NumberNoncatalytic	16.32	0.00
tblWoodstoves	NumberNoncatalytic	0.76	0.00
tblWoodstoves	WoodstoveDayYear	14.12	0.00
tblWoodstoves	WoodstoveDayYear	21.06	0.00
tblWoodstoves	WoodstoveWoodMass	582.40	0.00
tblWoodstoves	WoodstoveWoodMass	956.80	0.00

2.0 Emissions Summary

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

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.3609	3.5133	2.9914	6.3900e-003	1.1616	0.1531	1.3147	0.5034	0.1413	0.6446	0.0000	561.4775	561.4775	0.1703	3.2000e-004	565.8284
2025	0.6323	5.0805	6.5038	0.0276	2.2279	0.1060	2.3339	0.6084	0.0992	0.7077	0.0000	2,632.0156	2,632.0156	0.2096	0.2094	2,699.6473
2026	0.6768	5.3779	7.0900	0.0318	2.2808	0.0949	2.3757	0.6186	0.0894	0.7080	0.0000	3,051.4417	3,051.4417	0.2044	0.2568	3,133.0725
2027	0.6598	5.3130	6.9374	0.0311	2.2808	0.0943	2.3751	0.6186	0.0889	0.7075	0.0000	2,987.3190	2,987.3190	0.2042	0.2509	3,067.1900
2028	0.6415	5.2399	6.7869	0.0303	2.2721	0.0933	2.3655	0.6163	0.0880	0.7042	0.0000	2,917.2186	2,917.2186	0.2038	0.2444	2,995.1520
2029	0.6279	5.1962	6.7034	0.0298	2.2809	0.0931	2.3740	0.6187	0.0877	0.7064	0.0000	2,870.4675	2,870.4675	0.2050	0.2396	2,947.0054
2030	0.6066	4.5577	6.6256	0.0298	2.2810	0.0430	2.3239	0.6187	0.0417	0.6604	0.0000	2,860.5239	2,860.5239	0.1480	0.2348	2,934.1976
2031	15.3675	1.1125	2.1973	7.0000e-003	0.4884	0.0260	0.5144	0.1317	0.0258	0.1574	0.0000	651.1503	651.1503	0.0300	0.0356	662.5152
Maximum	15.3675	5.3779	7.0900	0.0318	2.2810	0.1531	2.3757	0.6187	0.1413	0.7080	0.0000	3,051.4417	3,051.4417	0.2096	0.2568	3,133.0725

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					

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

2024	0.3609	3.5133	2.9914	6.3900e-003	1.1616	0.1531	1.3147	0.5034	0.1413	0.6446	0.0000	561.4768	561.4768	0.1703	3.2000e-004	565.8278
2025	0.6323	5.0805	6.5038	0.0276	2.2279	0.1060	2.3339	0.6084	0.0992	0.7077	0.0000	2,632.0152	2,632.0152	0.2096	0.2094	2,699.6468
2026	0.6768	5.3779	7.0899	0.0318	2.2808	0.0949	2.3757	0.6186	0.0894	0.7080	0.0000	3,051.4414	3,051.4414	0.2044	0.2568	3,133.0721
2027	0.6598	5.3130	6.9374	0.0311	2.2808	0.0943	2.3751	0.6186	0.0889	0.7075	0.0000	2,987.3187	2,987.3187	0.2042	0.2509	3,067.1896
2028	0.6415	5.2399	6.7869	0.0303	2.2721	0.0933	2.3655	0.6163	0.0880	0.7042	0.0000	2,917.2182	2,917.2182	0.2038	0.2444	2,995.1516
2029	0.6279	5.1962	6.7034	0.0298	2.2809	0.0931	2.3740	0.6187	0.0877	0.7064	0.0000	2,870.4671	2,870.4671	0.2050	0.2396	2,947.0050
2030	0.6066	4.5577	6.6256	0.0298	2.2810	0.0430	2.3239	0.6187	0.0417	0.6604	0.0000	2,860.5235	2,860.5235	0.1480	0.2348	2,934.1972
2031	15.3675	1.1125	2.1973	7.0000e-003	0.4884	0.0260	0.5144	0.1317	0.0258	0.1574	0.0000	651.1500	651.1500	0.0300	0.0356	662.5149
Maximum	15.3675	5.3779	7.0899	0.0318	2.2810	0.1531	2.3757	0.6187	0.1413	0.7080	0.0000	3,051.4414	3,051.4414	0.2096	0.2568	3,133.0721

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2024	3-31-2024	0.7532	0.7532
2	4-1-2024	6-30-2024	0.8587	0.8587
3	7-1-2024	9-30-2024	1.0893	1.0893
4	10-1-2024	12-31-2024	1.1719	1.1719
5	1-1-2025	3-31-2025	1.0979	1.0979
6	4-1-2025	6-30-2025	1.4927	1.4927
7	7-1-2025	9-30-2025	1.5091	1.5091
8	10-1-2025	12-31-2025	1.5800	1.5800
9	1-1-2026	3-31-2026	1.5238	1.5238
10	4-1-2026	6-30-2026	1.4719	1.4719

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

11	7-1-2026	9-30-2026	1.4881	1.4881
12	10-1-2026	12-31-2026	1.5577	1.5577
13	1-1-2027	3-31-2027	1.5031	1.5031
14	4-1-2027	6-30-2027	1.4522	1.4522
15	7-1-2027	9-30-2027	1.4681	1.4681
16	10-1-2027	12-31-2027	1.5365	1.5365
17	1-1-2028	3-31-2028	1.5022	1.5022
18	4-1-2028	6-30-2028	1.4355	1.4355
19	7-1-2028	9-30-2028	1.4513	1.4513
20	10-1-2028	12-31-2028	1.5187	1.5187
21	1-1-2029	3-31-2029	1.4655	1.4655
22	4-1-2029	6-30-2029	1.4162	1.4162
23	7-1-2029	9-30-2029	1.4317	1.4317
24	10-1-2029	12-31-2029	1.4980	1.4980
25	1-1-2030	3-31-2030	1.3026	1.3026
26	4-1-2030	6-30-2030	1.2522	1.2522
27	7-1-2030	9-30-2030	1.2660	1.2660
28	10-1-2030	12-31-2030	1.3315	1.3315
29	1-1-2031	3-31-2031	0.8614	0.8614
30	4-1-2031	6-30-2031	0.2775	0.2775
31	7-1-2031	9-30-2031	6.7169	6.7169
		Highest	6.7169	6.7169

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

Category	tons/yr										MT/yr					
Area	11.9127	0.0714	6.1891	3.3000e-004		0.0344	0.0344		0.0344	0.0344	0.0000	10.1595	10.1595	9.7200e-003	0.0000	10.4026
Energy	0.2592	2.3337	1.8147	0.0141		0.1791	0.1791		0.1791	0.1791	0.0000	2,586.1151	2,586.1151	0.0492	0.0470	2,601.3570
Mobile	4.2225	1.8394	15.0138	5.0500e-003	0.0238	7.1200e-003	0.0309	5.9700e-003	6.5600e-003	0.0125	0.0000	470.6489	470.6489	0.2556	0.1755	529.3305
Waste						0.0000	0.0000		0.0000	0.0000	492.1272	0.0000	492.1272	29.0839	0.0000	1,219.2244
Water						0.0000	0.0000		0.0000	0.0000	152.1463	2.7949	154.9412	0.5237	0.3309	266.6317
Total	16.3944	4.2445	23.0176	0.0195	0.0238	0.2206	0.2444	5.9700e-003	0.2201	0.2260	644.2735	3,069.7184	3,713.9919	29.9221	0.5534	4,626.9462

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	10.5477	0.0714	6.1891	3.3000e-004		0.0344	0.0344		0.0344	0.0344	0.0000	10.1595	10.1595	9.7200e-003	0.0000	10.4026
Energy	0.2592	2.3337	1.8147	0.0141		0.1791	0.1791		0.1791	0.1791	0.0000	2,586.1151	2,586.1151	0.0492	0.0470	2,601.3570
Mobile	4.2225	1.8394	15.0138	5.0500e-003	0.0238	7.1200e-003	0.0309	5.9700e-003	6.5600e-003	0.0125	0.0000	470.6489	470.6489	0.2556	0.1755	529.3305
Waste						0.0000	0.0000		0.0000	0.0000	492.1272	0.0000	492.1272	29.0839	0.0000	1,219.2244
Water						0.0000	0.0000		0.0000	0.0000	152.1463	2.7949	154.9412	0.5237	0.3309	266.6317
Total	15.0294	4.2445	23.0176	0.0195	0.0238	0.2206	0.2444	5.9700e-003	0.2201	0.2260	644.2735	3,069.7184	3,713.9919	29.9221	0.5534	4,626.9462

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	8.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2024	5/17/2024	5	100	
2	Site Preparation	Site Preparation	5/18/2024	8/9/2024	5	60	
3	Grading	Grading	8/10/2024	3/14/2025	5	155	
4	Building Construction	Building Construction	3/15/2025	2/21/2031	5	1550	
5	Paving	Paving	2/22/2031	7/25/2031	5	110	
6	Architectural Coating	Architectural Coating	7/26/2031	12/26/2031	5	110	

Acres of Grading (Site Preparation Phase): 90

Acres of Grading (Grading Phase): 465

Acres of Paving: 0

Residential Indoor: 1,721,655; Residential Outdoor: 573,885; Non-Residential Indoor: 2,641,320; Non-Residential Outdoor: 880,440; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38

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

Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,729.00	592.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	346.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2024

Unmitigated Construction On-Site

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1122	1.0439	0.9854	1.9400e-003		0.0480	0.0480		0.0446	0.0446	0.0000	169.9802	169.9802	0.0476	0.0000	171.1692
Total	0.1122	1.0439	0.9854	1.9400e-003		0.0480	0.0480		0.0446	0.0446	0.0000	169.9802	169.9802	0.0476	0.0000	171.1692

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5300e-003	9.5000e-004	0.0137	5.0000e-005	5.9000e-003	3.0000e-005	5.9300e-003	1.5700e-003	2.0000e-005	1.6000e-003	0.0000	4.2456	4.2456	1.0000e-004	1.0000e-004	4.2788
Total	1.5300e-003	9.5000e-004	0.0137	5.0000e-005	5.9000e-003	3.0000e-005	5.9300e-003	1.5700e-003	2.0000e-005	1.6000e-003	0.0000	4.2456	4.2456	1.0000e-004	1.0000e-004	4.2788

Mitigated Construction On-Site

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1122	1.0439	0.9854	1.9400e-003		0.0480	0.0480		0.0446	0.0446	0.0000	169.9800	169.9800	0.0476	0.0000	171.1690
Total	0.1122	1.0439	0.9854	1.9400e-003		0.0480	0.0480		0.0446	0.0446	0.0000	169.9800	169.9800	0.0476	0.0000	171.1690

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5300e-003	9.5000e-004	0.0137	5.0000e-005	5.9000e-003	3.0000e-005	5.9300e-003	1.5700e-003	2.0000e-005	1.6000e-003	0.0000	4.2456	4.2456	1.0000e-004	1.0000e-004	4.2788
Total	1.5300e-003	9.5000e-004	0.0137	5.0000e-005	5.9000e-003	3.0000e-005	5.9300e-003	1.5700e-003	2.0000e-005	1.6000e-003	0.0000	4.2456	4.2456	1.0000e-004	1.0000e-004	4.2788

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
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22-111 Ravenswood SP Update Baseline Scenario - San Mateo 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					
Fugitive Dust					0.5897	0.0000	0.5897	0.3031	0.0000	0.3031	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0798	0.8153	0.5501	1.1400e-003		0.0369	0.0369		0.0339	0.0339	0.0000	100.3712	100.3712	0.0325	0.0000	101.1827
Total	0.0798	0.8153	0.5501	1.1400e-003	0.5897	0.0369	0.6266	0.3031	0.0339	0.3370	0.0000	100.3712	100.3712	0.0325	0.0000	101.1827

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-003	6.8000e-004	9.8400e-003	3.0000e-005	4.2500e-003	2.0000e-005	4.2700e-003	1.1300e-003	2.0000e-005	1.1500e-003	0.0000	3.0568	3.0568	7.0000e-005	7.0000e-005	3.0808
Total	1.1000e-003	6.8000e-004	9.8400e-003	3.0000e-005	4.2500e-003	2.0000e-005	4.2700e-003	1.1300e-003	2.0000e-005	1.1500e-003	0.0000	3.0568	3.0568	7.0000e-005	7.0000e-005	3.0808

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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22-111 Ravenswood SP Update Baseline Scenario - San Mateo 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					
Fugitive Dust					0.5897	0.0000	0.5897	0.3031	0.0000	0.3031	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0798	0.8153	0.5501	1.1400e-003		0.0369	0.0369		0.0339	0.0339	0.0000	100.3711	100.3711	0.0325	0.0000	101.1826
Total	0.0798	0.8153	0.5501	1.1400e-003	0.5897	0.0369	0.6266	0.3031	0.0339	0.3370	0.0000	100.3711	100.3711	0.0325	0.0000	101.1826

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-003	6.8000e-004	9.8400e-003	3.0000e-005	4.2500e-003	2.0000e-005	4.2700e-003	1.1300e-003	2.0000e-005	1.1500e-003	0.0000	3.0568	3.0568	7.0000e-005	7.0000e-005	3.0808
Total	1.1000e-003	6.8000e-004	9.8400e-003	3.0000e-005	4.2500e-003	2.0000e-005	4.2700e-003	1.1300e-003	2.0000e-005	1.1500e-003	0.0000	3.0568	3.0568	7.0000e-005	7.0000e-005	3.0808

3.4 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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22-111 Ravenswood SP Update Baseline Scenario - San Mateo 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						
	Fugitive Dust					0.5537	0.0000	0.5537	0.1954	0.0000	0.1954	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1641	1.6512	1.4139	3.1700e-003		0.0681	0.0681		0.0627	0.0627	0.0000	278.0496	278.0496	0.0899	0.0000	280.2977
Total	0.1641	1.6512	1.4139	3.1700e-003	0.5537	0.0681	0.6218	0.1954	0.0627	0.2581	0.0000	278.0496	278.0496	0.0899	0.0000	280.2977

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0800e-003	1.2900e-003	0.0186	6.0000e-005	8.0300e-003	4.0000e-005	8.0700e-003	2.1400e-003	3.0000e-005	2.1700e-003	0.0000	5.7740	5.7740	1.4000e-004	1.4000e-004	5.8192
Total	2.0800e-003	1.2900e-003	0.0186	6.0000e-005	8.0300e-003	4.0000e-005	8.0700e-003	2.1400e-003	3.0000e-005	2.1700e-003	0.0000	5.7740	5.7740	1.4000e-004	1.4000e-004	5.8192

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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22-111 Ravenswood SP Update Baseline Scenario - San Mateo 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					
	Fugitive Dust					0.5537	0.0000	0.5537	0.1954	0.0000	0.1954	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1641	1.6512	1.4139	3.1700e-003		0.0681	0.0681		0.0627	0.0627	0.0000	278.0492	278.0492	0.0899	0.0000	280.2974
Total	0.1641	1.6512	1.4139	3.1700e-003	0.5537	0.0681	0.6218	0.1954	0.0627	0.2581	0.0000	278.0492	278.0492	0.0899	0.0000	280.2974

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0800e-003	1.2900e-003	0.0186	6.0000e-005	8.0300e-003	4.0000e-005	8.0700e-003	2.1400e-003	3.0000e-005	2.1700e-003	0.0000	5.7740	5.7740	1.4000e-004	1.4000e-004	5.8192
Total	2.0800e-003	1.2900e-003	0.0186	6.0000e-005	8.0300e-003	4.0000e-005	8.0700e-003	2.1400e-003	3.0000e-005	2.1700e-003	0.0000	5.7740	5.7740	1.4000e-004	1.4000e-004	5.8192

3.4 Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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22-111 Ravenswood SP Update Baseline Scenario - San Mateo 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					
	Fugitive Dust					0.4062	0.0000	0.4062	0.1143	0.0000	0.1143	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0769	0.7405	0.6978	1.6400e-003		0.0300	0.0300		0.0276	0.0276	0.0000	144.4415	144.4415	0.0467	0.0000	145.6094
Total	0.0769	0.7405	0.6978	1.6400e-003	0.4062	0.0300	0.4361	0.1143	0.0276	0.1419	0.0000	144.4415	144.4415	0.0467	0.0000	145.6094

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0300e-003	6.1000e-004	9.1000e-003	3.0000e-005	4.1700e-003	2.0000e-005	4.1900e-003	1.1100e-003	2.0000e-005	1.1300e-003	0.0000	2.9000	2.9000	7.0000e-005	7.0000e-005	2.9220
Total	1.0300e-003	6.1000e-004	9.1000e-003	3.0000e-005	4.1700e-003	2.0000e-005	4.1900e-003	1.1100e-003	2.0000e-005	1.1300e-003	0.0000	2.9000	2.9000	7.0000e-005	7.0000e-005	2.9220

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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22-111 Ravenswood SP Update Baseline Scenario - San Mateo 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					
	Fugitive Dust					0.4062	0.0000	0.4062	0.1143	0.0000	0.1143	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0769	0.7405	0.6978	1.6400e-003		0.0300	0.0300		0.0276	0.0276	0.0000	144.4413	144.4413	0.0467	0.0000	145.6092
Total	0.0769	0.7405	0.6978	1.6400e-003	0.4062	0.0300	0.4361	0.1143	0.0276	0.1419	0.0000	144.4413	144.4413	0.0467	0.0000	145.6092

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0300e-003	6.1000e-004	9.1000e-003	3.0000e-005	4.1700e-003	2.0000e-005	4.1900e-003	1.1100e-003	2.0000e-005	1.1300e-003	0.0000	2.9000	2.9000	7.0000e-005	7.0000e-005	2.9220
Total	1.0300e-003	6.1000e-004	9.1000e-003	3.0000e-005	4.1700e-003	2.0000e-005	4.1900e-003	1.1100e-003	2.0000e-005	1.1300e-003	0.0000	2.9000	2.9000	7.0000e-005	7.0000e-005	2.9220

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
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22-111 Ravenswood SP Update Baseline Scenario - San Mateo 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					
	Off-Road	0.1422	1.2969	1.6728	2.8000e-003		0.0549	0.0549		0.0516	0.0516	0.0000	241.1962	241.1962	0.0567	0.0000
Total	0.1422	1.2969	1.6728	2.8000e-003		0.0549	0.0549		0.0516	0.0516	0.0000	241.1962	241.1962	0.0567	0.0000	242.6137

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0616	2.8370	1.0356	0.0124	0.4020	0.0150	0.4169	0.1163	0.0143	0.1306	0.0000	1,259.5910	1,259.5910	0.0840	0.1861	1,317.1490
Worker	0.3505	0.2056	3.0885	0.0107	1.4156	6.2100e-003	1.4218	0.3767	5.7200e-003	0.3824	0.0000	983.8870	983.8870	0.0221	0.0232	991.3533
Total	0.4121	3.0426	4.1241	0.0231	1.8176	0.0212	1.8388	0.4930	0.0201	0.5130	0.0000	2,243.4780	2,243.4780	0.1062	0.2093	2,308.5023

Mitigated Construction On-Site

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

22-111 Ravenswood SP Update Baseline Scenario - San Mateo County, Annual

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

Off-Road	0.1422	1.2969	1.6728	2.8000e-003		0.0549	0.0549		0.0516	0.0516	0.0000	241.1959	241.1959	0.0567	0.0000	242.6134
Total	0.1422	1.2969	1.6728	2.8000e-003		0.0549	0.0549		0.0516	0.0516	0.0000	241.1959	241.1959	0.0567	0.0000	242.6134

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0616	2.8370	1.0356	0.0124	0.4020	0.0150	0.4169	0.1163	0.0143	0.1306	0.0000	1,259.5910	1,259.5910	0.0840	0.1861	1,317.1490
Worker	0.3505	0.2056	3.0885	0.0107	1.4156	6.2100e-003	1.4218	0.3767	5.7200e-003	0.3824	0.0000	983.8870	983.8870	0.0221	0.0232	991.3533
Total	0.4121	3.0426	4.1241	0.0231	1.8176	0.0212	1.8388	0.4930	0.0201	0.5130	0.0000	2,243.4780	2,243.4780	0.1062	0.2093	2,308.5023

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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

22-111 Ravenswood SP Update Baseline Scenario - San Mateo County, Annual

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

Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0754	3.5137	1.3042	0.0152	0.5045	0.0187	0.5231	0.1459	0.0179	0.1638	0.0000	1,549.8199	1,549.8199	0.1078	0.2291	1,620.7970
Worker	0.4229	0.2369	3.6867	0.0131	1.7763	7.4000e-003	1.7837	0.4727	6.8100e-003	0.4795	0.0000	1,198.9669	1,198.9669	0.0254	0.0277	1,207.8420
Total	0.4983	3.7506	4.9909	0.0282	2.2808	0.0261	2.3068	0.6186	0.0247	0.6433	0.0000	2,748.7869	2,748.7869	0.1332	0.2568	2,828.6390

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

22-111 Ravenswood SP Update Baseline Scenario - San Mateo 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	0.0754	3.5137	1.3042	0.0152	0.5045	0.0187	0.5231	0.1459	0.0179	0.1638	0.0000	1,549.8199	1,549.8199	0.1078	0.2291	1,620.7970
Worker	0.4229	0.2369	3.6867	0.0131	1.7763	7.4000e-003	1.7837	0.4727	6.8100e-003	0.4795	0.0000	1,198.9669	1,198.9669	0.0254	0.0277	1,207.8420
Total	0.4983	3.7506	4.9909	0.0282	2.2808	0.0261	2.3068	0.6186	0.0247	0.6433	0.0000	2,748.7869	2,748.7869	0.1332	0.2568	2,828.6390

3.5 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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

22-111 Ravenswood SP Update Baseline Scenario - San Mateo 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	0.0738	3.4660	1.3077	0.0148	0.5045	0.0185	0.5230	0.1459	0.0177	0.1637	0.0000	1,516.7714	1,516.7714	0.1096	0.2244	1,586.3896
Worker	0.4076	0.2197	3.5307	0.0127	1.7763	6.9300e-003	1.7832	0.4727	6.3800e-003	0.4791	0.0000	1,167.8928	1,167.8928	0.0235	0.0265	1,176.3669
Total	0.4813	3.6857	4.8384	0.0276	2.2808	0.0255	2.3063	0.6186	0.0241	0.6427	0.0000	2,684.6641	2,684.6641	0.1331	0.2509	2,762.7565

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Mitigated Construction Off-Site

22-111 Ravenswood SP Update Baseline Scenario - San Mateo 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	0.0738	3.4660	1.3077	0.0148	0.5045	0.0185	0.5230	0.1459	0.0177	0.1637	0.0000	1,516.7714	1,516.7714	0.1096	0.2244	1,586.3896
Worker	0.4076	0.2197	3.5307	0.0127	1.7763	6.9300e-003	1.7832	0.4727	6.3800e-003	0.4791	0.0000	1,167.8928	1,167.8928	0.0235	0.0265	1,176.3669
Total	0.4813	3.6857	4.8384	0.0276	2.2808	0.0255	2.3063	0.6186	0.0241	0.6427	0.0000	2,684.6641	2,684.6641	0.1331	0.2509	2,762.7565

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671
Total	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671

Unmitigated Construction Off-Site

22-111 Ravenswood SP Update Baseline Scenario - San Mateo 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	0.0723	3.4142	1.3101	0.0144	0.5026	0.0183	0.5210	0.1454	0.0175	0.1629	0.0000	1,479.7269	1,479.7269	0.1111	0.2190	1,547.7785
Worker	0.3914	0.2047	3.3857	0.0124	1.7695	6.4300e-003	1.7759	0.4709	5.9100e-003	0.4768	0.0000	1,135.9964	1,135.9964	0.0217	0.0254	1,144.1064
Total	0.4637	3.6189	4.6959	0.0268	2.2721	0.0248	2.2969	0.6163	0.0234	0.6397	0.0000	2,615.7233	2,615.7233	0.1329	0.2444	2,691.8849

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667
Total	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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22-111 Ravenswood SP Update Baseline Scenario - San Mateo 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
Vendor	0.0723	3.4142	1.3101	0.0144	0.5026	0.0183	0.5210	0.1454	0.0175	0.1629	0.0000	1,479.7269	1,479.7269	0.1111	0.2190	1,547.7785
Worker	0.3914	0.2047	3.3857	0.0124	1.7695	6.4300e-003	1.7759	0.4709	5.9100e-003	0.4768	0.0000	1,135.9964	1,135.9964	0.0217	0.0254	1,144.1064
Total	0.4637	3.6189	4.6959	0.0268	2.2721	0.0248	2.2969	0.6163	0.0234	0.6397	0.0000	2,615.7233	2,615.7233	0.1329	0.2444	2,691.8849

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Unmitigated Construction Off-Site

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

22-111 Ravenswood SP Update Baseline Scenario - San Mateo County, Annual

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

Vendor	0.0715	3.3757	1.3221	0.0141	0.5046	0.0182	0.5228	0.1460	0.0174	0.1634	0.0000	1,451.9217	1,451.9217	0.1135	0.2150	1,518.8223
Worker	0.3779	0.1932	3.2822	0.0122	1.7763	6.0300e-003	1.7823	0.4727	5.5400e-003	0.4782	0.0000	1,115.8909	1,115.8909	0.0203	0.0247	1,123.7496
Total	0.4494	3.5689	4.6044	0.0263	2.2809	0.0242	2.3051	0.6187	0.0229	0.6416	0.0000	2,567.8126	2,567.8126	0.1338	0.2397	2,642.5719

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777
Total	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0706	3.3387	1.3305	0.0138	0.5047	0.0180	0.5227	0.1460	0.0172	0.1632	0.0000	1,423.2380	1,423.2380	0.1152	0.2108	1,488.9376

22-111 Ravenswood SP Update Baseline Scenario - San Mateo County, Annual

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

Worker	0.3651	0.1836	3.1866	0.0119	1.7763	5.6500e-003	1.7820	0.4727	5.2000e-003	0.4779	0.0000	1,094.2523	1,094.2523	0.0191	0.0240	1,101.8824
Total	0.4357	3.5223	4.5171	0.0257	2.2810	0.0236	2.3046	0.6187	0.0224	0.6411	0.0000	2,517.4903	2,517.4903	0.1343	0.2348	2,590.8200

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773
Total	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0706	3.3387	1.3305	0.0138	0.5047	0.0180	0.5227	0.1460	0.0172	0.1632	0.0000	1,423.2380	1,423.2380	0.1152	0.2108	1,488.9376
Worker	0.3651	0.1836	3.1866	0.0119	1.7763	5.6500e-003	1.7820	0.4727	5.2000e-003	0.4779	0.0000	1,094.2523	1,094.2523	0.0191	0.0240	1,101.8824

22-111 Ravenswood SP Update Baseline Scenario - San Mateo County, Annual

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

Total	0.4357	3.5223	4.5171	0.0257	2.2810	0.0236	2.3046	0.6187	0.0224	0.6411	0.0000	2,517.4903	2,517.4903	0.1343	0.2348	2,590.8200
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3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0249	0.1508	0.3070	5.9000e-004		2.8100e-003	2.8100e-003		2.8100e-003	2.8100e-003	0.0000	49.9436	49.9436	2.0000e-003	0.0000	49.9937
Total	0.0249	0.1508	0.3070	5.9000e-004		2.8100e-003	2.8100e-003		2.8100e-003	2.8100e-003	0.0000	49.9436	49.9436	2.0000e-003	0.0000	49.9937

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0102	0.4821	0.1950	1.9700e-003	0.0735	2.6000e-003	0.0761	0.0213	2.4900e-003	0.0238	0.0000	203.4833	203.4833	0.0170	0.0302	212.8912
Worker	0.0513	0.0255	0.4517	1.7100e-003	0.2586	7.7000e-004	0.2594	0.0688	7.1000e-004	0.0695	0.0000	156.5282	156.5282	2.6100e-003	3.4100e-003	157.6111
Total	0.0615	0.5076	0.6467	3.6800e-003	0.3321	3.3700e-003	0.3355	0.0901	3.2000e-003	0.0933	0.0000	360.0115	360.0115	0.0196	0.0336	370.5023

22-111 Ravenswood SP Update Baseline Scenario - San Mateo 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	0.0249	0.1508	0.3070	5.9000e-004		2.8100e-003	2.8100e-003		2.8100e-003	2.8100e-003	0.0000	49.9435	49.9435	2.0000e-003	0.0000	49.9936
Total	0.0249	0.1508	0.3070	5.9000e-004		2.8100e-003	2.8100e-003		2.8100e-003	2.8100e-003	0.0000	49.9435	49.9435	2.0000e-003	0.0000	49.9936

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0102	0.4821	0.1950	1.9700e-003	0.0735	2.6000e-003	0.0761	0.0213	2.4900e-003	0.0238	0.0000	203.4833	203.4833	0.0170	0.0302	212.8912
Worker	0.0513	0.0255	0.4517	1.7100e-003	0.2586	7.7000e-004	0.2594	0.0688	7.1000e-004	0.0695	0.0000	156.5282	156.5282	2.6100e-003	3.4100e-003	157.6111
Total	0.0615	0.5076	0.6467	3.6800e-003	0.3321	3.3700e-003	0.3355	0.0901	3.2000e-003	0.0933	0.0000	360.0115	360.0115	0.0196	0.0336	370.5023

22-111 Ravenswood SP Update Baseline Scenario - San Mateo County, Annual

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

3.6 Paving - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0762	0.3916	0.8717	1.5400e-003		0.0182	0.0182		0.0182	0.0182	0.0000	132.5473	132.5473	6.2100e-003	0.0000	132.7027
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0762	0.3916	0.8717	1.5400e-003		0.0182	0.0182		0.0182	0.0182	0.0000	132.5473	132.5473	6.2100e-003	0.0000	132.7027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2900e-003	6.4000e-004	0.0113	4.0000e-005	6.4900e-003	2.0000e-005	6.5100e-003	1.7300e-003	2.0000e-005	1.7500e-003	0.0000	3.9310	3.9310	7.0000e-005	9.0000e-005	3.9582
Total	1.2900e-003	6.4000e-004	0.0113	4.0000e-005	6.4900e-003	2.0000e-005	6.5100e-003	1.7300e-003	2.0000e-005	1.7500e-003	0.0000	3.9310	3.9310	7.0000e-005	9.0000e-005	3.9582

22-111 Ravenswood SP Update Baseline Scenario - San Mateo 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	0.0762	0.3916	0.8717	1.5400e-003		0.0182	0.0182		0.0182	0.0182	0.0000	132.5472	132.5472	6.2100e-003	0.0000	132.7025
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0762	0.3916	0.8717	1.5400e-003		0.0182	0.0182		0.0182	0.0182	0.0000	132.5472	132.5472	6.2100e-003	0.0000	132.7025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2900e-003	6.4000e-004	0.0113	4.0000e-005	6.4900e-003	2.0000e-005	6.5100e-003	1.7300e-003	2.0000e-005	1.7500e-003	0.0000	3.9310	3.9310	7.0000e-005	9.0000e-005	3.9582
Total	1.2900e-003	6.4000e-004	0.0113	4.0000e-005	6.4900e-003	2.0000e-005	6.5100e-003	1.7300e-003	2.0000e-005	1.7500e-003	0.0000	3.9310	3.9310	7.0000e-005	9.0000e-005	3.9582

3.7 Architectural Coating - 2031

Unmitigated Construction On-Site

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	15.1668					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.1900e-003	0.0471	0.0989	1.6000e-004		1.1200e-003	1.1200e-003		1.1200e-003	1.1200e-003	0.0000	14.0429	14.0429	5.7000e-004	0.0000	14.0571
Total	15.1740	0.0471	0.0989	1.6000e-004		1.1200e-003	1.1200e-003		1.1200e-003	1.1200e-003	0.0000	14.0429	14.0429	5.7000e-004	0.0000	14.0571

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0297	0.0148	0.2617	9.9000e-004	0.1498	4.5000e-004	0.1503	0.0399	4.1000e-004	0.0403	0.0000	90.6740	90.6740	1.5100e-003	1.9800e-003	91.3013
Total	0.0297	0.0148	0.2617	9.9000e-004	0.1498	4.5000e-004	0.1503	0.0399	4.1000e-004	0.0403	0.0000	90.6740	90.6740	1.5100e-003	1.9800e-003	91.3013

Mitigated Construction On-Site

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	15.1668					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.1900e-003	0.0471	0.0989	1.6000e-004		1.1200e-003	1.1200e-003		1.1200e-003	1.1200e-003	0.0000	14.0429	14.0429	5.7000e-004	0.0000	14.0571
Total	15.1740	0.0471	0.0989	1.6000e-004		1.1200e-003	1.1200e-003		1.1200e-003	1.1200e-003	0.0000	14.0429	14.0429	5.7000e-004	0.0000	14.0571

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0297	0.0148	0.2617	9.9000e-004	0.1498	4.5000e-004	0.1503	0.0399	4.1000e-004	0.0403	0.0000	90.6740	90.6740	1.5100e-003	1.9800e-003	91.3013
Total	0.0297	0.0148	0.2617	9.9000e-004	0.1498	4.5000e-004	0.1503	0.0399	4.1000e-004	0.0403	0.0000	90.6740	90.6740	1.5100e-003	1.9800e-003	91.3013

4.0 Operational Detail - Mobile

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

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.2225	1.8394	15.0138	5.0500e-003	0.0238	7.1200e-003	0.0309	5.9700e-003	6.5600e-003	0.0125	0.0000	470.6489	470.6489	0.2556	0.1755	529.3305
Unmitigated	4.2225	1.8394	15.0138	5.0500e-003	0.0238	7.1200e-003	0.0309	5.9700e-003	6.5600e-003	0.0125	0.0000	470.6489	470.6489	0.2556	0.1755	529.3305

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	2,219.52	2,007.36	1672.80	2,305	2,305
City Park	13.80	34.80	38.70	44	44
Fast Food Restaurant w/o Drive Thru	3,606.06	7,248.87	5207.55	19,024	19,024
General Heavy Industry	858.27	1,401.19	1110.92	1,061	1,061
General Office Building	8,031.73	1,828.76	580.76	8,854	8,854
Government (Civic Center)	516.50	0.00	0.00	2,149	2,149
Government Office Building	314.32	0.00	0.00	1,308	1,308
High Turnover (Sit Down Restaurant)	810.04	883.82	1029.99	13,336	13,336
Library	197.99	220.11	115.65	827	827
Quality Restaurant	435.61	467.79	373.94	6,909	6,909
Regional Shopping Center	3,257.75	3,986.88	1820.66	12,639	12,639
Research & Development	1,170.40	197.12	116.16	962	962
Single Family Housing	107.35	108.49	97.28	116	116
Total	21,539.34	18,385.20	12,164.39	69,534	69,534

4.3 Trip Type Information

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

Land Use	Miles			Trip %			Trip Purpose %		
	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	0.00	0.00	0.00	31.00	15.00	54.00	86	11	3
City Park	0.00	0.00	0.00	33.00	48.00	19.00	66	28	6
Fast Food Restaurant w/o Drive	0.00	0.00	0.00	1.50	79.50	19.00	51	37	12
General Heavy Industry	0.00	0.00	0.00	59.00	28.00	13.00	92	5	3
General Office Building	0.00	0.00	0.00	33.00	48.00	19.00	77	19	4
Government (Civic Center)	0.00	0.00	0.00	75.00	20.00	5.00	50	34	16
Government Office Building	0.00	0.00	0.00	33.00	62.00	5.00	50	34	16
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00	8.50	72.50	19.00	37	20	43
Library	0.00	0.00	0.00	52.00	43.00	5.00	44	44	12
Quality Restaurant	0.00	0.00	0.00	12.00	69.00	19.00	38	18	44
Regional Shopping Center	0.00	0.00	0.00	16.30	64.70	19.00	54	35	11
Research & Development	0.00	0.00	0.00	33.00	48.00	19.00	82	15	3
Single Family Housing	0.00	0.00	0.00	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.355048	0.037746	0.327499	0.194881	0.039857	0.009615	0.014559	0.008400	0.004633	0.001783	0.004708	0.000492	0.000779
City Park	0.355048	0.037746	0.327499	0.194881	0.039857	0.009615	0.014559	0.008400	0.004633	0.001783	0.004708	0.000492	0.000779
Fast Food Restaurant w/o Drive Thru	0.355048	0.037746	0.327499	0.194881	0.039857	0.009615	0.014559	0.008400	0.004633	0.001783	0.004708	0.000492	0.000779
General Heavy Industry	0.355048	0.037746	0.327499	0.194881	0.039857	0.009615	0.014559	0.008400	0.004633	0.001783	0.004708	0.000492	0.000779
General Office Building	0.355048	0.037746	0.327499	0.194881	0.039857	0.009615	0.014559	0.008400	0.004633	0.001783	0.004708	0.000492	0.000779
Government (Civic Center)	0.355048	0.037746	0.327499	0.194881	0.039857	0.009615	0.014559	0.008400	0.004633	0.001783	0.004708	0.000492	0.000779
Government Office Building	0.355048	0.037746	0.327499	0.194881	0.039857	0.009615	0.014559	0.008400	0.004633	0.001783	0.004708	0.000492	0.000779
High Turnover (Sit Down Restaurant)	0.355048	0.037746	0.327499	0.194881	0.039857	0.009615	0.014559	0.008400	0.004633	0.001783	0.004708	0.000492	0.000779
Library	0.355048	0.037746	0.327499	0.194881	0.039857	0.009615	0.014559	0.008400	0.004633	0.001783	0.004708	0.000492	0.000779
Quality Restaurant	0.355048	0.037746	0.327499	0.194881	0.039857	0.009615	0.014559	0.008400	0.004633	0.001783	0.004708	0.000492	0.000779
Regional Shopping Center	0.355048	0.037746	0.327499	0.194881	0.039857	0.009615	0.014559	0.008400	0.004633	0.001783	0.004708	0.000492	0.000779
Research & Development	0.355048	0.037746	0.327499	0.194881	0.039857	0.009615	0.014559	0.008400	0.004633	0.001783	0.004708	0.000492	0.000779
Single Family Housing	0.355048	0.037746	0.327499	0.194881	0.039857	0.009615	0.014559	0.008400	0.004633	0.001783	0.004708	0.000492	0.000779

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	21.2151	21.2151	0.0000	0.0000	21.2151
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	21.2151	21.2151	0.0000	0.0000	21.2151
NaturalGas Mitigated	0.2592	2.3337	1.8147	0.0141		0.1791	0.1791		0.1791	0.1791	0.0000	2,564.8999	2,564.8999	0.0492	0.0470	2,580.1419
NaturalGas Unmitigated	0.2592	2.3337	1.8147	0.0141		0.1791	0.1791		0.1791	0.1791	0.0000	2,564.8999	2,564.8999	0.0492	0.0470	2,580.1419

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	6.8895e+06	0.0372	0.3175	0.1351	2.0300e-003		0.0257	0.0257		0.0257	0.0257	0.0000	367.6498	367.6498	7.0500e-003	6.7400e-003	369.8345

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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	
Fast Food Restaurant w/o	3.03211e+006	0.0164	0.1486	0.1249	8.9000e-004		0.0113	0.0113		0.0113	0.0113	0.0000	161.8050	161.8050	3.1000e-003	2.9700e-003	162.7666
General Heavy Industry	4.40245e+006	0.0237	0.2158	0.1813	1.2900e-003		0.0164	0.0164		0.0164	0.0164	0.0000	234.9316	234.9316	4.5000e-003	4.3100e-003	236.3277
General Office Building	2.36627e+007	0.1276	1.1599	0.9744	6.9600e-003		0.0882	0.0882		0.0882	0.0882	0.0000	1,262.7317	1,262.7317	0.0242	0.0232	1,270.2354
Government (Civic Center)	572394	3.0900e-003	0.0281	0.0236	1.7000e-004		2.1300e-003	2.1300e-003		2.1300e-003	2.1300e-003	0.0000	30.5451	30.5451	5.9000e-004	5.6000e-004	30.7266
Government Office Building	443897	2.3900e-003	0.0218	0.0183	1.3000e-004		1.6500e-003	1.6500e-003		1.6500e-003	1.6500e-003	0.0000	23.6880	23.6880	4.5000e-004	4.3000e-004	23.8288
High Turnover (Sit Down Restaurant)	2.10908e+006	0.0114	0.1034	0.0868	6.2000e-004		7.8600e-003	7.8600e-003		7.8600e-003	7.8600e-003	0.0000	112.5484	112.5484	2.1600e-003	2.0600e-003	113.2172
Library	112531	6.1000e-004	5.5200e-003	4.6300e-003	3.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	6.0051	6.0051	1.2000e-004	1.1000e-004	6.0408
Quality Restaurant	1.44905e+006	7.8100e-003	0.0710	0.0597	4.3000e-004		5.4000e-003	5.4000e-003		5.4000e-003	5.4000e-003	0.0000	77.3267	77.3267	1.4800e-003	1.4200e-003	77.7862
Regional Shopping Center	333154	1.8000e-003	0.0163	0.0137	1.0000e-004		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	17.7783	17.7783	3.4000e-004	3.3000e-004	17.8840
Research & Development	4.32432e+006	0.0233	0.2120	0.1781	1.2700e-003		0.0161	0.0161		0.0161	0.0161	0.0000	230.7622	230.7622	4.4200e-003	4.2300e-003	232.1335
Single Family Housing	733232	3.9500e-003	0.0338	0.0144	2.2000e-004		2.7300e-003	2.7300e-003		2.7300e-003	2.7300e-003	0.0000	39.1280	39.1280	7.5000e-004	7.2000e-004	39.3606
Total		0.2592	2.3337	1.8147	0.0141		0.1791	0.1791		0.1791	0.1791	0.0000	2,564.8999	2,564.8999	0.0492	0.0470	2,580.1418

Mitigated

	Natural Gas 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	6.8895e+006	0.0372	0.3175	0.1351	2.0300e-003		0.0257	0.0257		0.0257	0.0257	0.0000	367.6498	367.6498	7.0500e-003	6.7400e-003	369.8345

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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	
Fast Food Restaurant w/o	3.03211e+006	0.0164	0.1486	0.1249	8.9000e-004		0.0113	0.0113		0.0113	0.0113	0.0000	161.8050	161.8050	3.1000e-003	2.9700e-003	162.7666
General Heavy Industry	4.40245e+006	0.0237	0.2158	0.1813	1.2900e-003		0.0164	0.0164		0.0164	0.0164	0.0000	234.9316	234.9316	4.5000e-003	4.3100e-003	236.3277
General Office Building	2.36627e+007	0.1276	1.1599	0.9744	6.9600e-003		0.0882	0.0882		0.0882	0.0882	0.0000	1,262.7317	1,262.7317	0.0242	0.0232	1,270.2354
Government (Civic Center)	572394	3.0900e-003	0.0281	0.0236	1.7000e-004		2.1300e-003	2.1300e-003		2.1300e-003	2.1300e-003	0.0000	30.5451	30.5451	5.9000e-004	5.6000e-004	30.7266
Government Office Building	443897	2.3900e-003	0.0218	0.0183	1.3000e-004		1.6500e-003	1.6500e-003		1.6500e-003	1.6500e-003	0.0000	23.6880	23.6880	4.5000e-004	4.3000e-004	23.8288
High Turnover (Sit Down Restaurant)	2.10908e+006	0.0114	0.1034	0.0868	6.2000e-004		7.8600e-003	7.8600e-003		7.8600e-003	7.8600e-003	0.0000	112.5484	112.5484	2.1600e-003	2.0600e-003	113.2172
Library	112531	6.1000e-004	5.5200e-003	4.6300e-003	3.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	6.0051	6.0051	1.2000e-004	1.1000e-004	6.0408
Quality Restaurant	1.44905e+006	7.8100e-003	0.0710	0.0597	4.3000e-004		5.4000e-003	5.4000e-003		5.4000e-003	5.4000e-003	0.0000	77.3267	77.3267	1.4800e-003	1.4200e-003	77.7862
Regional Shopping Center	333154	1.8000e-003	0.0163	0.0137	1.0000e-004		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	17.7783	17.7783	3.4000e-004	3.3000e-004	17.8840
Research & Development	4.32432e+006	0.0233	0.2120	0.1781	1.2700e-003		0.0161	0.0161		0.0161	0.0161	0.0000	230.7622	230.7622	4.4200e-003	4.2300e-003	232.1335
Single Family Housing	733232	3.9500e-003	0.0338	0.0144	2.2000e-004		2.7300e-003	2.7300e-003		2.7300e-003	2.7300e-003	0.0000	39.1280	39.1280	7.5000e-004	7.2000e-004	39.3606
Total		0.2592	2.3337	1.8147	0.0141		0.1791	0.1791		0.1791	0.1791	0.0000	2,564.8999	2,564.8999	0.0492	0.0470	2,580.1418

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	3.17128e+006	2.8769	0.0000	0.0000	2.8769

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City Park	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o	519289	0.4711	0.0000	0.0000	0.4711
General Heavy Industry	1.33131e+006	1.2077	0.0000	0.0000	1.2077
General Office Building	1.48772e+007	13.4964	0.0000	0.0000	13.4964
Government (Civic Center)	359876	0.3265	0.0000	0.0000	0.3265
Government Office Building	279087	0.2532	0.0000	0.0000	0.2532
High Turnover (Sit Down Restaurant)	361207	0.3277	0.0000	0.0000	0.3277
Library	34029.4	0.0309	0.0000	0.0000	0.0309
Quality Restaurant	248168	0.2251	0.0000	0.0000	0.2251
Regional Shopping Center	748134	0.6787	0.0000	0.0000	0.6787
Research & Development	1.30768e+006	1.1863	0.0000	0.0000	1.1863
Single Family Housing	148400	0.1346	0.0000	0.0000	0.1346
Total		21.2151	0.0000	0.0000	21.2151

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	3.17128e+006	2.8769	0.0000	0.0000	2.8769

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

City Park	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o	519289	0.4711	0.0000	0.0000	0.4711
General Heavy Industry	1.33131e+006	1.2077	0.0000	0.0000	1.2077
General Office Building	1.48772e+007	13.4964	0.0000	0.0000	13.4964
Government (Civic Center)	359876	0.3265	0.0000	0.0000	0.3265
Government Office Building	279087	0.2532	0.0000	0.0000	0.2532
High Turnover (Sit Down Restaurant)	361207	0.3277	0.0000	0.0000	0.3277
Library	34029.4	0.0309	0.0000	0.0000	0.0309
Quality Restaurant	248168	0.2251	0.0000	0.0000	0.2251
Regional Shopping Center	748134	0.6787	0.0000	0.0000	0.6787
Research & Development	1.30768e+006	1.1863	0.0000	0.0000	1.1863
Single Family Housing	148400	0.1346	0.0000	0.0000	0.1346
Total		21.2151	0.0000	0.0000	21.2151

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

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	10.5477	0.0714	6.1891	3.3000e-004		0.0344	0.0344		0.0344	0.0344	0.0000	10.1595	10.1595	9.7200e-003	0.0000	10.4026
Unmitigated	11.9127	0.0714	6.1891	3.3000e-004		0.0344	0.0344		0.0344	0.0344	0.0000	10.1595	10.1595	9.7200e-003	0.0000	10.4026

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.5167					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	10.2099					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	0.1861	0.0714	6.1891	3.3000e-004		0.0344	0.0344		0.0344	0.0344	0.0000	10.1595	10.1595	9.7200e-003	0.0000	10.4026
Total	11.9127	0.0714	6.1891	3.3000e-004		0.0344	0.0344		0.0344	0.0344	0.0000	10.1595	10.1595	9.7200e-003	0.0000	10.4026

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

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	0.1517					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	10.2099					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	0.1861	0.0714	6.1891	3.3000e-004		0.0344	0.0344		0.0344	0.0344	0.0000	10.1595	10.1595	9.7200e-003	0.0000	10.4026
Total	10.5477	0.0714	6.1891	3.3000e-004		0.0344	0.0344		0.0344	0.0344	0.0000	10.1595	10.1595	9.7200e-003	0.0000	10.4026

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	154.9412	0.5237	0.3309	266.6317
Unmitigated	154.9412	0.5237	0.3309	266.6317

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

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	53.1657 / 33.5175	19.1775	0.0647	0.0409	32.9860
City Park	0 / 35.7444	0.1135	0.0000	0.0000	0.1135
Fast Food Restaurant w/o	5.49396 / 0.350678	1.9719	6.6900e-003	4.2300e-003	3.3988
General Heavy Industry	41.4354 / 0	14.8633	0.0505	0.0319	25.6251
General Office Building	219.617 / 134.604	79.2062	0.2674	0.1690	136.2463
Government (Civic Center)	5.93794 / 3.63938	2.1416	7.2300e-003	4.5700e-003	3.6838
Government Office Building	4.60493 / 2.82238	1.6608	5.6100e-003	3.5400e-003	2.8568
High Turnover (Sit Down Restaurant)	3.82149 / 0.243925	1.3716	4.6500e-003	2.9400e-003	2.3641
Library	0.143303 / 0.224141	0.0521	1.7000e-004	1.1000e-004	0.0893
Quality Restaurant	2.62557 / 0.167589	0.9424	3.2000e-003	2.0200e-003	1.6243
Regional Shopping Center	5.41174 / 3.31687	1.9518	6.5900e-003	4.1600e-003	3.3574
Research & Development	86.5381 / 0	31.0421	0.1054	0.0666	53.5183
Single Family Housing	1.23793 / 0.780432	0.4465	1.5100e-003	9.5000e-004	0.7681
Total		154.9412	0.5237	0.3309	266.6317

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

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	53.1657 / 33.5175	19.1775	0.0647	0.0409	32.9860
City Park	0 / 35.7444	0.1135	0.0000	0.0000	0.1135
Fast Food Restaurant w/o	5.49396 / 0.350678	1.9719	6.6900e-003	4.2300e-003	3.3988
General Heavy Industry	41.4354 / 0	14.8633	0.0505	0.0319	25.6251
General Office Building	219.617 / 134.604	79.2062	0.2674	0.1690	136.2463
Government (Civic Center)	5.93794 / 3.63938	2.1416	7.2300e-003	4.5700e-003	3.6838
Government Office Building	4.60493 / 2.82238	1.6608	5.6100e-003	3.5400e-003	2.8568
High Turnover (Sit Down Restaurant)	3.82149 / 0.243925	1.3716	4.6500e-003	2.9400e-003	2.3641
Library	0.143303 / 0.224141	0.0521	1.7000e-004	1.1000e-004	0.0893
Quality Restaurant	2.62557 / 0.167589	0.9424	3.2000e-003	2.0200e-003	1.6243
Regional Shopping Center	5.41174 / 3.31687	1.9518	6.5900e-003	4.1600e-003	3.3574
Research & Development	86.5381 / 0	31.0421	0.1054	0.0666	53.5183
Single Family Housing	1.23793 / 0.780432	0.4465	1.5100e-003	9.5000e-004	0.7681
Total		154.9412	0.5237	0.3309	266.6317

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	492.1272	29.0839	0.0000	1,219.2244
Unmitigated	492.1272	29.0839	0.0000	1,219.2244

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	375.36	76.1947	4.5030	0.0000	188.7691
City Park	2.58	0.5237	0.0310	0.0000	1.2975
Fast Food Restaurant w/o	208.49	42.3216	2.5011	0.0000	104.8499

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

General Heavy Industry	222.18	45.1005	2.6654	0.0000	111.7347
General Office Building	1149.15	233.2671	13.7857	0.0000	577.9093
Government (Civic Center)	170.37	34.5836	2.0438	0.0000	85.6793
Government Office Building	21.56	4.3765	0.2586	0.0000	10.8426
High Turnover (Sit Down Restaurant)	149.82	30.4121	1.7973	0.0000	75.3447
Library	4.22	0.8566	0.0506	0.0000	2.1222
Quality Restaurant	7.89	1.6016	0.0947	0.0000	3.9679
Regional Shopping Center	76.71	15.5714	0.9203	0.0000	38.5776
Research & Development	13.37	2.7140	0.1604	0.0000	6.7238
Single Family Housing	22.68	4.6038	0.2721	0.0000	11.4058
Total		492.1273	29.0839	0.0000	1,219.2244

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	375.36	76.1947	4.5030	0.0000	188.7691
City Park	2.58	0.5237	0.0310	0.0000	1.2975
Fast Food Restaurant w/o Drive Thru	208.49	42.3216	2.5011	0.0000	104.8499

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

General Heavy Industry	222.18	45.1005	2.6654	0.0000	111.7347
General Office Building	1149.15	233.2671	13.7857	0.0000	577.9093
Government (Civic Center)	170.37	34.5836	2.0438	0.0000	85.6793
Government Office Building	21.56	4.3765	0.2586	0.0000	10.8426
High Turnover (Sit Down Restaurant)	149.82	30.4121	1.7973	0.0000	75.3447
Library	4.22	0.8566	0.0506	0.0000	2.1222
Quality Restaurant	7.89	1.6016	0.0947	0.0000	3.9679
Regional Shopping Center	76.71	15.5714	0.9203	0.0000	38.5776
Research & Development	13.37	2.7140	0.1604	0.0000	6.7238
Single Family Housing	22.68	4.6038	0.2721	0.0000	11.4058
Total		492.1273	29.0839	0.0000	1,219.2244

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

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

Equipment Type	Number
----------------	--------

11.0 Vegetation

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

**22-111 Ravenswood SP Update Scenario 1
San Mateo County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	1,802.95	1000sqft	41.39	1,802,950.00	0
Government (Civic Center)	75.80	1000sqft	1.74	75,800.00	0
Government Office Building	58.79	1000sqft	1.35	58,790.00	0
Research & Development	988.40	1000sqft	22.69	988,400.00	0
Library	11.60	1000sqft	0.27	11,600.00	0
General Heavy Industry	263.51	1000sqft	6.05	263,510.00	0
City Park	30.00	Acre	30.00	1,306,800.00	0
Fast Food Restaurant w/o Drive Thru	18.10	1000sqft	0.42	18,100.00	0
High Turnover (Sit Down Restaurant)	12.59	1000sqft	0.29	12,590.00	0
Quality Restaurant	8.65	1000sqft	0.20	8,650.00	0
Apartments Mid Rise	1,270.00	Dwelling Unit	33.42	1,270,000.00	3632
Single Family Housing	80.00	Dwelling Unit	25.97	144,000.00	229
Regional Shopping Center	73.06	1000sqft	1.68	73,060.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	70
Climate Zone	5			Operational Year	2040
Utility Company	Peninsula Clean Energy				
CO2 Intensity (lb/MW hr)	0	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

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

Project Characteristics -

Vehicle Trips - 0 mile trip lengths to capture idle emissions.

Vehicle Emission Factors - Emission factors from EMFAC2021

Woodstoves - No hearths/fireplaces

Energy Use - Defaults

Water And Wastewater - 100% aerobic

Area Mitigation - Assume super compliant paint as mitigation.

Fleet Mix - Fleet mix from EMFAC2021

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	150	15
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	10
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	150	15
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	150	15
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	100	10
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
tblFireplaces	NumberGas	190.50	0.00
tblFireplaces	NumberGas	20.00	0.00
tblFireplaces	NumberNoFireplace	50.80	0.00
tblFireplaces	NumberNoFireplace	6.40	0.00
tblFireplaces	NumberWood	215.90	0.00
tblFireplaces	NumberWood	34.40	0.00
tblFleetMix	HHD	1.4790e-003	8.4000e-003

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

tblFleetMix	HHD	1.4790e-003	8.4000e-003
tblFleetMix	HHD	1.4790e-003	8.4000e-003
tblFleetMix	HHD	1.4790e-003	8.4000e-003
tblFleetMix	HHD	1.4790e-003	8.4000e-003
tblFleetMix	HHD	1.4790e-003	8.4000e-003
tblFleetMix	HHD	1.4790e-003	8.4000e-003
tblFleetMix	HHD	1.4790e-003	8.4000e-003
tblFleetMix	HHD	1.4790e-003	8.4000e-003
tblFleetMix	HHD	1.4790e-003	8.4000e-003
tblFleetMix	HHD	1.4790e-003	8.4000e-003
tblFleetMix	HHD	1.4790e-003	8.4000e-003
tblFleetMix	HHD	1.4790e-003	8.4000e-003
tblFleetMix	HHD	1.4790e-003	8.4000e-003
tblFleetMix	HHD	1.4790e-003	8.4000e-003
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDT1	0.08	0.04
tblFleetMix	LDT1	0.08	0.04
tblFleetMix	LDT1	0.08	0.04
tblFleetMix	LDT1	0.08	0.04

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

tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	SBUS	4.5200e-004	4.9200e-004

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

tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.21	0.07
tblVehicleEF	HHD	3.0000e-006	0.00
tblVehicleEF	HHD	5.91	4.18
tblVehicleEF	HHD	1.13	0.86
tblVehicleEF	HHD	0.06	7.4700e-003

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

tblVehicleEF	HHD	795.07	568.19
tblVehicleEF	HHD	1,196.93	1,120.89
tblVehicleEF	HHD	0.43	0.08
tblVehicleEF	HHD	0.13	0.09
tblVehicleEF	HHD	0.20	0.18
tblVehicleEF	HHD	1.2300e-004	5.0000e-006
tblVehicleEF	HHD	4.96	2.57
tblVehicleEF	HHD	2.44	1.15
tblVehicleEF	HHD	2.37	2.19
tblVehicleEF	HHD	2.0090e-003	1.3500e-003
tblVehicleEF	HHD	0.06	0.09
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	5.0000e-006	1.0000e-006
tblVehicleEF	HHD	1.9220e-003	1.2850e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8040e-003	8.6510e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	5.0000e-006	1.0000e-006
tblVehicleEF	HHD	1.1000e-005	2.4800e-004
tblVehicleEF	HHD	5.6300e-004	3.7000e-005
tblVehicleEF	HHD	0.38	0.25
tblVehicleEF	HHD	8.0000e-006	0.00
tblVehicleEF	HHD	0.03	0.01
tblVehicleEF	HHD	2.5300e-004	4.7000e-004
tblVehicleEF	HHD	1.6000e-005	1.0000e-006
tblVehicleEF	HHD	6.9550e-003	4.6160e-003
tblVehicleEF	HHD	9.7380e-003	9.6340e-003
tblVehicleEF	HHD	4.0000e-006	1.0000e-006

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tblVehicleEF	HHD	1.1000e-005	2.4800e-004
tblVehicleEF	HHD	5.6300e-004	3.7000e-005
tblVehicleEF	HHD	0.45	0.41
tblVehicleEF	HHD	8.0000e-006	0.00
tblVehicleEF	HHD	0.24	0.09
tblVehicleEF	HHD	2.5300e-004	4.7000e-004
tblVehicleEF	HHD	1.8000e-005	1.0000e-006
tblVehicleEF	LDA	5.3300e-004	7.7400e-004
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.33	0.37
tblVehicleEF	LDA	1.43	1.56
tblVehicleEF	LDA	178.54	191.85
tblVehicleEF	LDA	36.90	48.45
tblVehicleEF	LDA	2.7360e-003	2.4700e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.11	0.14
tblVehicleEF	LDA	0.04	6.3930e-003
tblVehicleEF	LDA	5.1600e-004	4.6700e-004
tblVehicleEF	LDA	7.3100e-004	8.5000e-004
tblVehicleEF	LDA	0.02	2.2370e-003
tblVehicleEF	LDA	4.7500e-004	4.3000e-004
tblVehicleEF	LDA	6.7200e-004	7.8200e-004
tblVehicleEF	LDA	0.01	0.17
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.00
tblVehicleEF	LDA	1.5930e-003	2.4260e-003
tblVehicleEF	LDA	0.03	0.13
tblVehicleEF	LDA	0.07	0.12

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tblVehicleEF	LDA	1.7660e-003	1.8970e-003
tblVehicleEF	LDA	3.6500e-004	4.7900e-004
tblVehicleEF	LDA	0.01	0.17
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.00
tblVehicleEF	LDA	2.3110e-003	3.5400e-003
tblVehicleEF	LDA	0.03	0.13
tblVehicleEF	LDA	0.08	0.14
tblVehicleEF	LDT1	6.2700e-004	1.0490e-003
tblVehicleEF	LDT1	0.02	0.04
tblVehicleEF	LDT1	0.35	0.46
tblVehicleEF	LDT1	1.53	1.82
tblVehicleEF	LDT1	213.59	250.13
tblVehicleEF	LDT1	44.47	62.08
tblVehicleEF	LDT1	2.7360e-003	3.0530e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.12	0.18
tblVehicleEF	LDT1	0.04	8.0580e-003
tblVehicleEF	LDT1	5.8400e-004	5.7500e-004
tblVehicleEF	LDT1	8.3600e-004	1.0080e-003
tblVehicleEF	LDT1	0.02	2.8200e-003
tblVehicleEF	LDT1	5.3700e-004	5.2900e-004
tblVehicleEF	LDT1	7.6800e-004	9.2700e-004
tblVehicleEF	LDT1	0.02	0.24
tblVehicleEF	LDT1	0.04	0.05
tblVehicleEF	LDT1	0.02	0.00
tblVehicleEF	LDT1	1.9050e-003	3.4840e-003
tblVehicleEF	LDT1	0.04	0.18

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

tblVehicleEF	LDT1	0.08	0.15
tblVehicleEF	LDT1	2.1140e-003	2.4730e-003
tblVehicleEF	LDT1	4.4000e-004	6.1400e-004
tblVehicleEF	LDT1	0.02	0.24
tblVehicleEF	LDT1	0.04	0.05
tblVehicleEF	LDT1	0.02	0.00
tblVehicleEF	LDT1	2.7800e-003	5.0840e-003
tblVehicleEF	LDT1	0.04	0.18
tblVehicleEF	LDT1	0.08	0.16
tblVehicleEF	LDT2	8.1000e-004	1.1870e-003
tblVehicleEF	LDT2	0.02	0.04
tblVehicleEF	LDT2	0.40	0.49
tblVehicleEF	LDT2	1.92	2.11
tblVehicleEF	LDT2	213.70	258.89
tblVehicleEF	LDT2	44.48	64.13
tblVehicleEF	LDT2	2.9600e-003	3.1860e-003
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.12	0.20
tblVehicleEF	LDT2	0.04	7.9860e-003
tblVehicleEF	LDT2	5.9700e-004	5.5100e-004
tblVehicleEF	LDT2	7.7900e-004	9.1800e-004
tblVehicleEF	LDT2	0.02	2.7950e-003
tblVehicleEF	LDT2	5.5100e-004	5.0700e-004
tblVehicleEF	LDT2	7.1600e-004	8.4400e-004
tblVehicleEF	LDT2	0.02	0.18
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.03	0.00
tblVehicleEF	LDT2	2.6610e-003	3.9270e-003

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tblVehicleEF	LDT2	0.04	0.14
tblVehicleEF	LDT2	0.10	0.17
tblVehicleEF	LDT2	2.1140e-003	2.5590e-003
tblVehicleEF	LDT2	4.4000e-004	6.3400e-004
tblVehicleEF	LDT2	0.02	0.18
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.03	0.00
tblVehicleEF	LDT2	3.8430e-003	5.7160e-003
tblVehicleEF	LDT2	0.04	0.14
tblVehicleEF	LDT2	0.11	0.18
tblVehicleEF	LHD1	3.2880e-003	2.5710e-003
tblVehicleEF	LHD1	3.8290e-003	1.3980e-003
tblVehicleEF	LHD1	5.3230e-003	8.7860e-003
tblVehicleEF	LHD1	0.17	0.13
tblVehicleEF	LHD1	0.36	0.28
tblVehicleEF	LHD1	0.77	1.52
tblVehicleEF	LHD1	7.53	5.41
tblVehicleEF	LHD1	634.61	435.86
tblVehicleEF	LHD1	8.69	11.02
tblVehicleEF	LHD1	6.8700e-004	3.9800e-004
tblVehicleEF	LHD1	0.04	0.02
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	0.16	0.18
tblVehicleEF	LHD1	9.8700e-004	5.0100e-004
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	9.9810e-003	8.9410e-003
tblVehicleEF	LHD1	4.9160e-003	4.7470e-003

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tblVehicleEF	LHD1	1.8100e-004	5.2000e-005
tblVehicleEF	LHD1	9.4400e-004	4.7900e-004
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	2.4950e-003	2.2350e-003
tblVehicleEF	LHD1	4.6620e-003	4.5230e-003
tblVehicleEF	LHD1	1.6600e-004	4.8000e-005
tblVehicleEF	LHD1	7.2000e-004	0.05
tblVehicleEF	LHD1	0.03	8.5800e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	5.5600e-004	0.00
tblVehicleEF	LHD1	0.06	0.02
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.02	0.04
tblVehicleEF	LHD1	7.3000e-005	5.3000e-005
tblVehicleEF	LHD1	6.1830e-003	4.2510e-003
tblVehicleEF	LHD1	8.6000e-005	1.0900e-004
tblVehicleEF	LHD1	7.2000e-004	0.05
tblVehicleEF	LHD1	0.03	8.5800e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	5.5600e-004	0.00
tblVehicleEF	LHD1	0.07	0.03
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.03	0.04
tblVehicleEF	LHD2	2.0450e-003	1.8110e-003
tblVehicleEF	LHD2	4.7190e-003	2.2930e-003
tblVehicleEF	LHD2	2.8720e-003	5.3560e-003
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.46	0.22
tblVehicleEF	LHD2	0.44	1.08

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tblVehicleEF	LHD2	11.85	12.71
tblVehicleEF	LHD2	622.15	466.43
tblVehicleEF	LHD2	5.67	7.53
tblVehicleEF	LHD2	1.5290e-003	1.6210e-003
tblVehicleEF	LHD2	0.06	0.05
tblVehicleEF	LHD2	8.4020e-003	0.01
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.10	0.14
tblVehicleEF	LHD2	0.09	0.11
tblVehicleEF	LHD2	1.5010e-003	1.4830e-003
tblVehicleEF	LHD2	0.09	0.07
tblVehicleEF	LHD2	0.01	9.7930e-003
tblVehicleEF	LHD2	0.01	9.6290e-003
tblVehicleEF	LHD2	1.0200e-004	3.3000e-005
tblVehicleEF	LHD2	1.4360e-003	1.4190e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.7180e-003	2.4480e-003
tblVehicleEF	LHD2	0.01	9.2040e-003
tblVehicleEF	LHD2	9.4000e-005	3.0000e-005
tblVehicleEF	LHD2	3.8500e-004	0.04
tblVehicleEF	LHD2	0.01	5.9130e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.0000e-004	0.00
tblVehicleEF	LHD2	0.09	0.05
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.1300e-004	1.2100e-004
tblVehicleEF	LHD2	5.9990e-003	4.4820e-003
tblVehicleEF	LHD2	5.6000e-005	7.4000e-005

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tblVehicleEF	LHD2	3.8500e-004	0.04
tblVehicleEF	LHD2	0.01	5.9130e-003
tblVehicleEF	LHD2	0.02	0.01
tblVehicleEF	LHD2	3.0000e-004	0.00
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.03
tblVehicleEF	MCY	0.32	0.13
tblVehicleEF	MCY	0.25	0.13
tblVehicleEF	MCY	17.43	9.36
tblVehicleEF	MCY	9.50	7.65
tblVehicleEF	MCY	212.46	185.35
tblVehicleEF	MCY	57.97	35.89
tblVehicleEF	MCY	0.07	0.03
tblVehicleEF	MCY	0.02	4.3090e-003
tblVehicleEF	MCY	1.14	0.46
tblVehicleEF	MCY	0.27	0.06
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	2.2680e-003	2.1450e-003
tblVehicleEF	MCY	3.0590e-003	3.7310e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	2.1140e-003	2.0000e-003
tblVehicleEF	MCY	2.8530e-003	3.4800e-003
tblVehicleEF	MCY	0.66	2.41
tblVehicleEF	MCY	0.55	3.53
tblVehicleEF	MCY	0.40	0.00
tblVehicleEF	MCY	2.12	0.75
tblVehicleEF	MCY	0.40	3.66
tblVehicleEF	MCY	1.86	0.89

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tblVehicleEF	MCY	2.1020e-003	1.8320e-003
tblVehicleEF	MCY	5.7400e-004	3.5500e-004
tblVehicleEF	MCY	0.66	0.06
tblVehicleEF	MCY	0.55	3.53
tblVehicleEF	MCY	0.40	0.00
tblVehicleEF	MCY	2.66	0.94
tblVehicleEF	MCY	0.40	3.66
tblVehicleEF	MCY	2.03	0.96
tblVehicleEF	MDV	7.9300e-004	1.1910e-003
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.39	0.49
tblVehicleEF	MDV	1.90	2.09
tblVehicleEF	MDV	258.05	308.01
tblVehicleEF	MDV	52.47	75.95
tblVehicleEF	MDV	4.0370e-003	3.5510e-003
tblVehicleEF	MDV	0.02	0.03
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.13	0.21
tblVehicleEF	MDV	0.04	8.0170e-003
tblVehicleEF	MDV	5.7800e-004	5.3800e-004
tblVehicleEF	MDV	7.8400e-004	9.2200e-004
tblVehicleEF	MDV	0.02	2.8060e-003
tblVehicleEF	MDV	5.3300e-004	4.9500e-004
tblVehicleEF	MDV	7.2100e-004	8.4700e-004
tblVehicleEF	MDV	0.03	0.19
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.04	0.00
tblVehicleEF	MDV	2.6200e-003	3.9590e-003
tblVehicleEF	MDV	0.04	0.15

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tblVehicleEF	MDV	0.10	0.17
tblVehicleEF	MDV	2.5500e-003	3.0440e-003
tblVehicleEF	MDV	5.1900e-004	7.5100e-004
tblVehicleEF	MDV	0.03	0.19
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.04	0.00
tblVehicleEF	MDV	3.7760e-003	5.7640e-003
tblVehicleEF	MDV	0.04	0.15
tblVehicleEF	MDV	0.11	0.19
tblVehicleEF	MH	3.6920e-003	3.9290e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.18	0.18
tblVehicleEF	MH	1.50	1.65
tblVehicleEF	MH	1,238.57	1,647.57
tblVehicleEF	MH	13.88	19.01
tblVehicleEF	MH	0.05	0.07
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	0.80	0.92
tblVehicleEF	MH	0.21	0.23
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.7280e-003	7.8210e-003
tblVehicleEF	MH	2.1900e-004	2.3900e-004
tblVehicleEF	MH	0.06	0.02
tblVehicleEF	MH	3.2980e-003	3.3470e-003
tblVehicleEF	MH	6.4000e-003	7.4470e-003
tblVehicleEF	MH	2.0200e-004	2.2000e-004
tblVehicleEF	MH	0.16	7.30
tblVehicleEF	MH	0.01	1.36

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tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	2.1570e-003	0.04
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	1.3700e-004	1.8800e-004
tblVehicleEF	MH	0.16	7.30
tblVehicleEF	MH	0.01	1.36
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.1570e-003	0.04
tblVehicleEF	MH	0.07	0.08
tblVehicleEF	MHD	3.9150e-003	0.01
tblVehicleEF	MHD	7.7500e-004	7.2000e-003
tblVehicleEF	MHD	8.4570e-003	6.4510e-003
tblVehicleEF	MHD	0.38	0.44
tblVehicleEF	MHD	0.12	0.07
tblVehicleEF	MHD	0.79	0.61
tblVehicleEF	MHD	48.34	82.32
tblVehicleEF	MHD	878.88	681.64
tblVehicleEF	MHD	8.10	6.46
tblVehicleEF	MHD	6.7790e-003	0.01
tblVehicleEF	MHD	0.11	0.08
tblVehicleEF	MHD	8.4300e-003	4.8760e-003
tblVehicleEF	MHD	0.25	0.29
tblVehicleEF	MHD	1.32	0.21
tblVehicleEF	MHD	1.67	0.64
tblVehicleEF	MHD	6.7000e-005	1.4500e-004
tblVehicleEF	MHD	0.13	0.04

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tblVehicleEF	MHD	6.4260e-003	1.8800e-003
tblVehicleEF	MHD	1.1700e-004	8.7000e-005
tblVehicleEF	MHD	6.5000e-005	1.3800e-004
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	6.1420e-003	1.7920e-003
tblVehicleEF	MHD	1.0800e-004	8.0000e-005
tblVehicleEF	MHD	2.2900e-004	0.01
tblVehicleEF	MHD	0.01	2.1090e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.7800e-004	0.00
tblVehicleEF	MHD	9.7870e-003	5.1800e-003
tblVehicleEF	MHD	0.01	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	4.5900e-004	7.4800e-004
tblVehicleEF	MHD	8.3840e-003	6.4520e-003
tblVehicleEF	MHD	8.0000e-005	6.4000e-005
tblVehicleEF	MHD	2.2900e-004	0.01
tblVehicleEF	MHD	0.01	2.1090e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.7800e-004	0.00
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.01	0.03
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	OBUS	6.9130e-003	6.9360e-003
tblVehicleEF	OBUS	1.4100e-003	0.01
tblVehicleEF	OBUS	0.01	5.6630e-003
tblVehicleEF	OBUS	0.66	0.47
tblVehicleEF	OBUS	0.18	0.14
tblVehicleEF	OBUS	1.30	0.56

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tblVehicleEF	OBUS	92.47	78.56
tblVehicleEF	OBUS	1,103.58	1,061.89
tblVehicleEF	OBUS	11.53	5.18
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.12	0.15
tblVehicleEF	OBUS	0.01	4.3310e-003
tblVehicleEF	OBUS	0.46	0.23
tblVehicleEF	OBUS	1.48	0.50
tblVehicleEF	OBUS	1.18	0.76
tblVehicleEF	OBUS	1.5000e-004	1.4900e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	8.0440e-003	5.6120e-003
tblVehicleEF	OBUS	1.6400e-004	6.2000e-005
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	7.6820e-003	5.3650e-003
tblVehicleEF	OBUS	1.5100e-004	5.7000e-005
tblVehicleEF	OBUS	7.6900e-004	0.03
tblVehicleEF	OBUS	0.01	4.7320e-003
tblVehicleEF	OBUS	0.05	0.03
tblVehicleEF	OBUS	4.4500e-004	0.00
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	0.07	0.03
tblVehicleEF	OBUS	8.7700e-004	7.3300e-004
tblVehicleEF	OBUS	0.01	9.9780e-003
tblVehicleEF	OBUS	1.1400e-004	5.1000e-005
tblVehicleEF	OBUS	7.6900e-004	0.03
tblVehicleEF	OBUS	0.01	4.7320e-003
tblVehicleEF	OBUS	0.06	0.04

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tblVehicleEF	OBUS	4.4500e-004	0.00
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	0.07	0.03
tblVehicleEF	SBUS	0.24	0.11
tblVehicleEF	SBUS	2.2250e-003	0.05
tblVehicleEF	SBUS	0.02	7.4360e-003
tblVehicleEF	SBUS	8.79	2.74
tblVehicleEF	SBUS	0.18	0.24
tblVehicleEF	SBUS	2.83	0.97
tblVehicleEF	SBUS	370.78	158.01
tblVehicleEF	SBUS	765.30	592.96
tblVehicleEF	SBUS	16.02	5.84
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	0.02	6.0600e-003
tblVehicleEF	SBUS	1.00	0.38
tblVehicleEF	SBUS	0.61	0.24
tblVehicleEF	SBUS	1.37	0.46
tblVehicleEF	SBUS	2.3900e-004	1.5500e-004
tblVehicleEF	SBUS	0.74	0.04
tblVehicleEF	SBUS	9.1990e-003	9.6300e-003
tblVehicleEF	SBUS	4.3280e-003	1.9510e-003
tblVehicleEF	SBUS	2.9400e-004	9.8000e-005
tblVehicleEF	SBUS	2.2800e-004	1.4600e-004
tblVehicleEF	SBUS	0.32	0.01
tblVehicleEF	SBUS	2.3000e-003	2.4080e-003
tblVehicleEF	SBUS	4.0980e-003	1.8460e-003
tblVehicleEF	SBUS	2.7100e-004	9.0000e-005

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

tblVehicleEF	SBUS	2.4850e-003	0.07
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.08	0.32
tblVehicleEF	SBUS	1.4400e-003	0.00
tblVehicleEF	SBUS	0.02	8.8330e-003
tblVehicleEF	SBUS	0.03	0.05
tblVehicleEF	SBUS	0.12	0.04
tblVehicleEF	SBUS	3.6000e-003	1.4240e-003
tblVehicleEF	SBUS	7.4530e-003	5.5490e-003
tblVehicleEF	SBUS	1.5900e-004	5.8000e-005
tblVehicleEF	SBUS	2.4850e-003	0.07
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.57	0.50
tblVehicleEF	SBUS	1.4400e-003	0.00
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.03	0.05
tblVehicleEF	SBUS	0.13	0.05
tblVehicleEF	UBUS	1.75	0.10
tblVehicleEF	UBUS	0.01	3.6530e-003
tblVehicleEF	UBUS	13.25	1.23
tblVehicleEF	UBUS	0.82	0.81
tblVehicleEF	UBUS	1,615.08	197.83
tblVehicleEF	UBUS	7.48	4.66
tblVehicleEF	UBUS	0.27	0.02
tblVehicleEF	UBUS	7.2400e-003	6.4160e-003
tblVehicleEF	UBUS	0.68	0.03
tblVehicleEF	UBUS	0.10	0.04
tblVehicleEF	UBUS	0.08	1.85
tblVehicleEF	UBUS	0.03	1.05

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

tblVehicleTrips	CC_TL	7.30	0.00
tblVehicleTrips	CC_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	HO_TL	5.70	0.00
tblVehicleTrips	HO_TL	5.70	0.00
tblVehicleTrips	HS_TL	4.80	0.00
tblVehicleTrips	HS_TL	4.80	0.00
tblVehicleTrips	HW_TL	10.80	0.00

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

tblVehicleTrips	HW_TL	10.80	0.00
tblVehicleTrips	ST_TR	4.91	2.46
tblVehicleTrips	ST_TR	1.96	1.16
tblVehicleTrips	ST_TR	696.00	400.49
tblVehicleTrips	ST_TR	6.42	7.21
tblVehicleTrips	ST_TR	2.21	1.48
tblVehicleTrips	ST_TR	122.40	70.20
tblVehicleTrips	ST_TR	80.09	48.07
tblVehicleTrips	ST_TR	90.04	54.08
tblVehicleTrips	ST_TR	46.12	54.47
tblVehicleTrips	ST_TR	1.90	1.12
tblVehicleTrips	ST_TR	9.54	5.71
tblVehicleTrips	SU_TR	4.09	2.05
tblVehicleTrips	SU_TR	2.19	1.29
tblVehicleTrips	SU_TR	500.00	287.71
tblVehicleTrips	SU_TR	5.09	5.72
tblVehicleTrips	SU_TR	0.70	0.47
tblVehicleTrips	SU_TR	142.64	81.81
tblVehicleTrips	SU_TR	42.09	25.26
tblVehicleTrips	SU_TR	71.97	43.23
tblVehicleTrips	SU_TR	21.10	24.92
tblVehicleTrips	SU_TR	1.11	0.66
tblVehicleTrips	SU_TR	8.55	5.12
tblVehicleTrips	WD_TR	5.44	2.72
tblVehicleTrips	WD_TR	0.78	0.46
tblVehicleTrips	WD_TR	346.23	199.23
tblVehicleTrips	WD_TR	3.93	4.42
tblVehicleTrips	WD_TR	9.74	6.50
tblVehicleTrips	WD_TR	33.98	17.30

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

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
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
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	25.40	0.00
tblWoodstoves	NumberCatalytic	3.20	0.00
tblWoodstoves	NumberNoncatalytic	25.40	0.00
tblWoodstoves	NumberNoncatalytic	3.20	0.00
tblWoodstoves	WoodstoveDayYear	14.12	0.00
tblWoodstoves	WoodstoveDayYear	21.06	0.00
tblWoodstoves	WoodstoveWoodMass	582.40	0.00
tblWoodstoves	WoodstoveWoodMass	956.80	0.00

2.0 Emissions Summary

2.1 Overall Construction

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

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	0.3111	2.9329	2.5767	5.1900e-003	0.6717	0.1342	0.8059	0.3225	0.1244	0.4468	0.0000	455.3273	455.3273	0.1289	2.8000e-004	669.6198
2025	0.3712	3.5709	3.2359	7.5600e-003	1.7438	0.1464	1.8902	0.6929	0.1347	0.8276	0.0000	664.2559	664.2559	0.2106	3.3000e-004	669.6198
2026	0.7033	5.8240	7.0882	0.0306	2.8436	0.1245	2.9681	0.7806	0.1160	0.8966	0.0000	2,926.4449	2,926.4449	0.2558	0.2305	3,001.5295
2027	0.9000	7.2366	9.3681	0.0451	3.4234	0.1074	3.5308	0.9288	0.1013	1.0301	0.0000	4,359.1037	4,359.1037	0.2732	0.3815	4,479.6207
2028	0.8729	7.1290	9.1472	0.0440	3.4103	0.1061	3.5165	0.9253	0.1001	1.0253	0.0000	4,253.8320	4,253.8320	0.2727	0.3717	4,371.4110
2029	0.8522	7.0595	9.0188	0.0432	3.4235	0.1056	3.5291	0.9289	0.0996	1.0284	0.0000	4,182.5785	4,182.5785	0.2745	0.3644	4,298.0350
2030	0.8241	6.3968	8.8981	0.0429	3.4236	0.0552	3.4788	0.9289	0.0533	0.9822	0.0000	4,146.9143	4,146.9143	0.2178	0.3571	4,258.7647
2031	0.8041	6.3427	8.7860	0.0422	3.4237	0.0545	3.4782	0.9289	0.0527	0.9816	0.0000	4,079.2439	4,079.2439	0.2182	0.3505	4,189.1577
2032	0.7889	6.3186	8.7250	0.0417	3.4369	0.0541	3.4909	0.9325	0.0523	0.9848	0.0000	4,034.5467	4,034.5467	0.2196	0.3461	4,143.1731
2033	0.7668	6.2273	8.5791	0.0408	3.4107	0.0530	3.4637	0.9254	0.0513	0.9767	0.0000	3,949.6739	3,949.6739	0.2182	0.3383	4,055.9316
2034	0.7524	6.1905	8.5082	0.0403	3.4107	0.0525	3.4632	0.9254	0.0508	0.9762	0.0000	3,901.3106	3,901.3106	0.2185	0.3336	4,006.1919
2035	0.7295	6.0773	8.4742	0.0400	3.4239	0.0447	3.4686	0.9290	0.0430	0.9720	0.0000	3,872.4893	3,872.4893	0.2185	0.3307	3,976.4856
2036	0.7323	6.1006	8.5066	0.0402	3.4370	0.0448	3.4819	0.9325	0.0432	0.9757	0.0000	3,887.3264	3,887.3264	0.2193	0.3319	3,991.7211
2037	0.7295	6.0773	8.4742	0.0400	3.4239	0.0447	3.4686	0.9290	0.0430	0.9720	0.0000	3,872.4893	3,872.4893	0.2185	0.3307	3,976.4856
2038	0.3198	2.2216	3.9486	0.0143	1.0079	0.0304	1.0383	0.2734	0.0299	0.3033	0.0000	1,356.8089	1,356.8089	0.0723	0.0964	1,387.3486
2039	27.3430	0.2082	1.1990	3.6300e-003	0.4498	5.4300e-003	0.4552	0.1197	5.3500e-003	0.1250	0.0000	328.3127	328.3127	6.3600e-003	5.6100e-003	330.1425
Maximum	27.3430	7.2366	9.3681	0.0451	3.4370	0.1464	3.5308	0.9325	0.1347	1.0301	0.0000	4,359.1037	4,359.1037	0.2745	0.3815	4,479.6207

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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	0.3111	2.9329	2.5766	5.1900e-003	0.6717	0.1342	0.8059	0.3225	0.1244	0.4468	0.0000	455.3268	455.3268	0.1289	2.8000e-004	458.6344
2025	0.3712	3.5709	3.2359	7.5600e-003	1.7438	0.1464	1.8902	0.6929	0.1347	0.8276	0.0000	664.2552	664.2552	0.2106	3.3000e-004	669.6191
2026	0.7033	5.8240	7.0882	0.0306	2.8436	0.1245	2.9681	0.7806	0.1160	0.8966	0.0000	2,926.4443	2,926.4443	0.2558	0.2305	3,001.5290
2027	0.9000	7.2365	9.3681	0.0451	3.4234	0.1074	3.5308	0.9288	0.1013	1.0301	0.0000	4,359.1033	4,359.1033	0.2732	0.3815	4,479.6203
2028	0.8729	7.1289	9.1472	0.0440	3.4103	0.1061	3.5165	0.9253	0.1001	1.0253	0.0000	4,253.8317	4,253.8317	0.2727	0.3717	4,371.4106
2029	0.8522	7.0595	9.0188	0.0432	3.4235	0.1056	3.5291	0.9289	0.0996	1.0284	0.0000	4,182.5781	4,182.5781	0.2745	0.3644	4,298.0346
2030	0.8241	6.3968	8.8981	0.0429	3.4236	0.0552	3.4788	0.9289	0.0533	0.9822	0.0000	4,146.9139	4,146.9139	0.2178	0.3571	4,258.7643
2031	0.8041	6.3427	8.7860	0.0422	3.4237	0.0545	3.4782	0.9289	0.0527	0.9816	0.0000	4,079.2435	4,079.2435	0.2182	0.3505	4,189.1573
2032	0.7889	6.3186	8.7250	0.0417	3.4369	0.0541	3.4909	0.9325	0.0523	0.9848	0.0000	4,034.5463	4,034.5463	0.2196	0.3461	4,143.1727
2033	0.7668	6.2273	8.5791	0.0408	3.4107	0.0530	3.4637	0.9254	0.0513	0.9767	0.0000	3,949.6735	3,949.6735	0.2182	0.3383	4,055.9312
2034	0.7524	6.1905	8.5082	0.0403	3.4107	0.0525	3.4632	0.9254	0.0508	0.9762	0.0000	3,901.3102	3,901.3102	0.2185	0.3336	4,006.1915
2035	0.7295	6.0773	8.4742	0.0400	3.4239	0.0447	3.4686	0.9290	0.0430	0.9720	0.0000	3,872.4889	3,872.4889	0.2185	0.3307	3,976.4852
2036	0.7323	6.1006	8.5066	0.0402	3.4370	0.0448	3.4819	0.9325	0.0432	0.9757	0.0000	3,887.3260	3,887.3260	0.2193	0.3319	3,991.7207
2037	0.7295	6.0773	8.4742	0.0400	3.4239	0.0447	3.4686	0.9290	0.0430	0.9720	0.0000	3,872.4889	3,872.4889	0.2185	0.3307	3,976.4852
2038	0.3198	2.2216	3.9486	0.0143	1.0079	0.0304	1.0383	0.2734	0.0299	0.3033	0.0000	1,356.8085	1,356.8085	0.0723	0.0964	1,387.3482

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2039	27.3430	0.2082	1.1990	3.6300e-003	0.4498	5.4300e-003	0.4552	0.1197	5.3500e-003	0.1250	0.0000	328.3126	328.3126	6.3600e-003	5.6100e-003	330.1424
Maximum	27.3430	7.2365	9.3681	0.0451	3.4370	0.1464	3.5308	0.9325	0.1347	1.0301	0.0000	4,359.1033	4,359.1033	0.2745	0.3815	4,479.6203

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2024	3-31-2024	0.7532	0.7532
2	4-1-2024	6-30-2024	0.7530	0.7530
3	7-1-2024	9-30-2024	0.7613	0.7613
4	10-1-2024	12-31-2024	0.9729	0.9729
5	1-1-2025	3-31-2025	0.9038	0.9038
6	4-1-2025	6-30-2025	1.0044	1.0044
7	7-1-2025	9-30-2025	1.0154	1.0154
8	10-1-2025	12-31-2025	1.0157	1.0157
9	1-1-2026	3-31-2026	0.9935	0.9935
10	4-1-2026	6-30-2026	1.3553	1.3553
11	7-1-2026	9-30-2026	2.0247	2.0247
12	10-1-2026	12-31-2026	2.1299	2.1299
13	1-1-2027	3-31-2027	2.0523	2.0523
14	4-1-2027	6-30-2027	1.9727	1.9727
15	7-1-2027	9-30-2027	1.9944	1.9944
16	10-1-2027	12-31-2027	2.0979	2.0979
17	1-1-2028	3-31-2028	2.0485	2.0485
18	4-1-2028	6-30-2028	1.9476	1.9476
19	7-1-2028	9-30-2028	1.9690	1.9690

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20	10-1-2028	12-31-2028	2.0710	2.0710
21	1-1-2029	3-31-2029	1.9954	1.9954
22	4-1-2029	6-30-2029	1.9183	1.9183
23	7-1-2029	9-30-2029	1.9394	1.9394
24	10-1-2029	12-31-2029	2.0397	2.0397
25	1-1-2030	3-31-2030	1.8247	1.8247
26	4-1-2030	6-30-2030	1.7468	1.7468
27	7-1-2030	9-30-2030	1.7660	1.7660
28	10-1-2030	12-31-2030	1.8652	1.8652
29	1-1-2031	3-31-2031	1.8059	1.8059
30	4-1-2031	6-30-2031	1.7287	1.7287
31	7-1-2031	9-30-2031	1.7477	1.7477
32	10-1-2031	12-31-2031	1.8460	1.8460
33	1-1-2032	3-31-2032	1.8090	1.8090
34	4-1-2032	6-30-2032	1.7125	1.7125
35	7-1-2032	9-30-2032	1.7313	1.7313
36	10-1-2032	12-31-2032	1.8289	1.8289
37	1-1-2033	3-31-2033	1.7742	1.7742
38	4-1-2033	6-30-2033	1.6979	1.6979
39	7-1-2033	9-30-2033	1.7166	1.7166
40	10-1-2033	12-31-2033	1.8136	1.8136
41	1-1-2034	3-31-2034	1.7612	1.7612
42	4-1-2034	6-30-2034	1.6853	1.6853
43	7-1-2034	9-30-2034	1.7038	1.7038
44	10-1-2034	12-31-2034	1.8003	1.8003
45	1-1-2035	3-31-2035	1.7208	1.7208
46	4-1-2035	6-30-2035	1.6449	1.6449
47	7-1-2035	9-30-2035	1.6630	1.6630
48	10-1-2035	12-31-2035	1.7591	1.7591

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

49	1-1-2036	3-31-2036	1.7399	1.7399
50	4-1-2036	6-30-2036	1.6449	1.6449
51	7-1-2036	9-30-2036	1.6630	1.6630
52	10-1-2036	12-31-2036	1.7591	1.7591
53	1-1-2037	3-31-2037	1.7208	1.7208
54	4-1-2037	6-30-2037	1.6449	1.6449
55	7-1-2037	9-30-2037	1.6630	1.6630
56	10-1-2037	12-31-2037	1.7591	1.7591
57	1-1-2038	3-31-2038	1.7208	1.7208
58	4-1-2038	6-30-2038	0.4512	0.4512
59	7-1-2038	9-30-2038	0.1987	0.1987
60	10-1-2038	12-31-2038	0.1988	0.1988
61	1-1-2039	3-31-2039	3.7612	3.7612
62	4-1-2039	6-30-2039	8.1071	8.1071
63	7-1-2039	9-30-2039	8.1962	8.1962
		Highest	8.1962	8.1962

**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	21.4998	0.1155	10.0104	5.3000e-004		0.0557	0.0557		0.0557	0.0557	0.0000	16.4336	16.4336	0.0157	0.0000	16.8271
Energy	0.4793	4.3163	3.3620	0.0261		0.3311	0.3311		0.3311	0.3311	0.0000	4,743.0626	4,743.0626	0.0909	0.0870	4,771.2482
Mobile	6.3436	2.7627	22.5469	7.5400e-003	0.0297	0.0107	0.0403	7.4300e-003	9.8500e-003	0.0173	0.0000	702.2590	702.2590	0.3840	0.2635	790.3777

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

Waste						0.0000	0.0000		0.0000	0.0000	751.4482	0.0000	751.4482	44.4093	0.0000	1,861.6811
Water						0.0000	0.0000		0.0000	0.0000	353.7249	0.0000	353.7249	1.2175	0.7692	613.3944
Total	28.3227	7.1945	35.9193	0.0342	0.0297	0.3975	0.4272	7.4300e-003	0.3967	0.4041	1,105.1731	5,461.7552	6,566.9283	46.1174	1.1197	8,053.5285

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	19.0489	0.1155	10.0104	5.3000e-004		0.0557	0.0557		0.0557	0.0557	0.0000	16.4336	16.4336	0.0157	0.0000	16.8271
Energy	0.4793	4.3163	3.3620	0.0261		0.3311	0.3311		0.3311	0.3311	0.0000	4,743.0626	4,743.0626	0.0909	0.0870	4,771.2482
Mobile	6.3436	2.7627	22.5469	7.5400e-003	0.0297	0.0107	0.0403	7.4300e-003	9.8500e-003	0.0173	0.0000	702.2590	702.2590	0.3840	0.2635	790.3777
Waste						0.0000	0.0000		0.0000	0.0000	751.4482	0.0000	751.4482	44.4093	0.0000	1,861.6811
Water						0.0000	0.0000		0.0000	0.0000	353.7249	0.0000	353.7249	1.2175	0.7692	613.3944
Total	25.8718	7.1945	35.9193	0.0342	0.0297	0.3975	0.4272	7.4300e-003	0.3967	0.4041	1,105.1731	5,461.7552	6,566.9283	46.1174	1.1197	8,053.5285

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	8.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

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

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2024	10/4/2024	5	200	
2	Site Preparation	Site Preparation	10/5/2024	3/21/2025	5	120	
3	Grading	Grading	3/22/2025	5/29/2026	5	310	
4	Building Construction	Building Construction	5/30/2026	4/16/2038	5	3100	
5	Paving	Paving	4/17/2038	2/18/2039	5	220	
6	Architectural Coating	Architectural Coating	2/19/2039	12/23/2039	5	220	

Acres of Grading (Site Preparation Phase): 180

Acres of Grading (Grading Phase): 930

Acres of Paving: 0

Residential Indoor: 2,863,350; Residential Outdoor: 954,450; Non-Residential Indoor: 4,970,175; Non-Residential Outdoor: 1,656,725; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20

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

Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	2,584.00	902.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	517.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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					
Off-Road	0.2244	2.0878	1.9707	3.8800e-003		0.0960	0.0960		0.0892	0.0892	0.0000	339.9605	339.9605	0.0951	0.0000	342.3384

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

Total	0.2244	2.0878	1.9707	3.8800e-003		0.0960	0.0960		0.0892	0.0892	0.0000	339.9605	339.9605	0.0951	0.0000	342.3384
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0600e-003	1.8900e-003	0.0273	9.0000e-005	0.0118	5.0000e-005	0.0119	3.1400e-003	5.0000e-005	3.1900e-003	0.0000	8.4912	8.4912	2.0000e-004	2.1000e-004	8.5576
Total	3.0600e-003	1.8900e-003	0.0273	9.0000e-005	0.0118	5.0000e-005	0.0119	3.1400e-003	5.0000e-005	3.1900e-003	0.0000	8.4912	8.4912	2.0000e-004	2.1000e-004	8.5576

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2244	2.0878	1.9707	3.8800e-003		0.0960	0.0960		0.0892	0.0892	0.0000	339.9601	339.9601	0.0951	0.0000	342.3380
Total	0.2244	2.0878	1.9707	3.8800e-003		0.0960	0.0960		0.0892	0.0892	0.0000	339.9601	339.9601	0.0951	0.0000	342.3380

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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	3.0600e-003	1.8900e-003	0.0273	9.0000e-005	0.0118	5.0000e-005	0.0119	3.1400e-003	5.0000e-005	3.1900e-003	0.0000	8.4912	8.4912	2.0000e-004	2.1000e-004	8.5576
Total	3.0600e-003	1.8900e-003	0.0273	9.0000e-005	0.0118	5.0000e-005	0.0119	3.1400e-003	5.0000e-005	3.1900e-003	0.0000	8.4912	8.4912	2.0000e-004	2.1000e-004	8.5576

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					0.6555	0.0000	0.6555	0.3182	0.0000	0.3182	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0825	0.8425	0.5684	1.1800e-003		0.0381	0.0381		0.0351	0.0351	0.0000	103.7169	103.7169	0.0335	0.0000	104.5555
Total	0.0825	0.8425	0.5684	1.1800e-003	0.6555	0.0381	0.6936	0.3182	0.0351	0.3532	0.0000	103.7169	103.7169	0.0335	0.0000	104.5555

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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	1.1400e-003	7.0000e-004	0.0102	3.0000e-005	4.3900e-003	2.0000e-005	4.4100e-003	1.1700e-003	2.0000e-005	1.1900e-003	0.0000	3.1587	3.1587	8.0000e-005	8.0000e-005	3.1834
Total	1.1400e-003	7.0000e-004	0.0102	3.0000e-005	4.3900e-003	2.0000e-005	4.4100e-003	1.1700e-003	2.0000e-005	1.1900e-003	0.0000	3.1587	3.1587	8.0000e-005	8.0000e-005	3.1834

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.6555	0.0000	0.6555	0.3182	0.0000	0.3182	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0825	0.8425	0.5684	1.1800e-003		0.0381	0.0381		0.0351	0.0351	0.0000	103.7168	103.7168	0.0335	0.0000	104.5554
Total	0.0825	0.8425	0.5684	1.1800e-003	0.6555	0.0381	0.6936	0.3182	0.0351	0.3532	0.0000	103.7168	103.7168	0.0335	0.0000	104.5554

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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	1.1400e-003	7.0000e-004	0.0102	3.0000e-005	4.3900e-003	2.0000e-005	4.4100e-003	1.1700e-003	2.0000e-005	1.1900e-003	0.0000	3.1587	3.1587	8.0000e-005	8.0000e-005	3.1834
Total	1.1400e-003	7.0000e-004	0.0102	3.0000e-005	4.3900e-003	2.0000e-005	4.4100e-003	1.1700e-003	2.0000e-005	1.1900e-003	0.0000	3.1587	3.1587	8.0000e-005	8.0000e-005	3.1834

3.3 Site Preparation - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.6194	0.0000	0.6194	0.2983	0.0000	0.2983	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0717	0.7318	0.5194	1.1000e-003		0.0315	0.0315		0.0290	0.0290	0.0000	97.0543	97.0543	0.0314	0.0000	97.8390
Total	0.0717	0.7318	0.5194	1.1000e-003	0.6194	0.0315	0.6509	0.2983	0.0290	0.3273	0.0000	97.0543	97.0543	0.0314	0.0000	97.8390

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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	1.0200e-003	6.0000e-004	8.9700e-003	3.0000e-005	4.1100e-003	2.0000e-005	4.1300e-003	1.0900e-003	2.0000e-005	1.1100e-003	0.0000	2.8562	2.8562	6.0000e-005	7.0000e-005	2.8779
Total	1.0200e-003	6.0000e-004	8.9700e-003	3.0000e-005	4.1100e-003	2.0000e-005	4.1300e-003	1.0900e-003	2.0000e-005	1.1100e-003	0.0000	2.8562	2.8562	6.0000e-005	7.0000e-005	2.8779

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.6194	0.0000	0.6194	0.2983	0.0000	0.2983	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0717	0.7318	0.5194	1.1000e-003		0.0315	0.0315		0.0290	0.0290	0.0000	97.0541	97.0541	0.0314	0.0000	97.8389
Total	0.0717	0.7318	0.5194	1.1000e-003	0.6194	0.0315	0.6509	0.2983	0.0290	0.3273	0.0000	97.0541	97.0541	0.0314	0.0000	97.8389

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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	1.0200e-003	6.0000e-004	8.9700e-003	3.0000e-005	4.1100e-003	2.0000e-005	4.1300e-003	1.0900e-003	2.0000e-005	1.1100e-003	0.0000	2.8562	2.8562	6.0000e-005	7.0000e-005	2.8779
Total	1.0200e-003	6.0000e-004	8.9700e-003	3.0000e-005	4.1100e-003	2.0000e-005	4.1300e-003	1.0900e-003	2.0000e-005	1.1100e-003	0.0000	2.8562	2.8562	6.0000e-005	7.0000e-005	2.8779

3.4 Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.1044	0.0000	1.1044	0.3892	0.0000	0.3892	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2945	2.8362	2.6726	6.3000e-003		0.1148	0.1148		0.1056	0.1056	0.0000	553.2381	553.2381	0.1789	0.0000	557.7113
Total	0.2945	2.8362	2.6726	6.3000e-003	1.1044	0.1148	1.2192	0.3892	0.1056	0.4948	0.0000	553.2381	553.2381	0.1789	0.0000	557.7113

22-111 Ravenswood SP Update Scenario 1 - San Mateo 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	3.9600e-003	2.3200e-003	0.0349	1.2000e-004	0.0160	7.0000e-005	0.0161	4.2500e-003	6.0000e-005	4.3200e-003	0.0000	11.1074	11.1074	2.5000e-004	2.6000e-004	11.1917
Total	3.9600e-003	2.3200e-003	0.0349	1.2000e-004	0.0160	7.0000e-005	0.0161	4.2500e-003	6.0000e-005	4.3200e-003	0.0000	11.1074	11.1074	2.5000e-004	2.6000e-004	11.1917

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.1044	0.0000	1.1044	0.3892	0.0000	0.3892	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2945	2.8362	2.6726	6.3000e-003		0.1148	0.1148		0.1056	0.1056	0.0000	553.2374	553.2374	0.1789	0.0000	557.7106
Total	0.2945	2.8362	2.6726	6.3000e-003	1.1044	0.1148	1.2192	0.3892	0.1056	0.4948	0.0000	553.2374	553.2374	0.1789	0.0000	557.7106

22-111 Ravenswood SP Update Scenario 1 - San Mateo 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	3.9600e-003	2.3200e-003	0.0349	1.2000e-004	0.0160	7.0000e-005	0.0161	4.2500e-003	6.0000e-005	4.3200e-003	0.0000	11.1074	11.1074	2.5000e-004	2.6000e-004	11.1917
Total	3.9600e-003	2.3200e-003	0.0349	1.2000e-004	0.0160	7.0000e-005	0.0161	4.2500e-003	6.0000e-005	4.3200e-003	0.0000	11.1074	11.1074	2.5000e-004	2.6000e-004	11.1917

3.4 Grading - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.8153	0.0000	0.8153	0.2303	0.0000	0.2303	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1552	1.4949	1.4087	3.3200e-003		0.0605	0.0605		0.0557	0.0557	0.0000	291.6082	291.6082	0.0943	0.0000	293.9660
Total	0.1552	1.4949	1.4087	3.3200e-003	0.8153	0.0605	0.8758	0.2303	0.0557	0.2860	0.0000	291.6082	291.6082	0.0943	0.0000	293.9660

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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	2.0100e-003	1.1200e-003	0.0175	6.0000e-005	8.4200e-003	4.0000e-005	8.4600e-003	2.2400e-003	3.0000e-005	2.2700e-003	0.0000	5.6857	5.6857	1.2000e-004	1.3000e-004	5.7278
Total	2.0100e-003	1.1200e-003	0.0175	6.0000e-005	8.4200e-003	4.0000e-005	8.4600e-003	2.2400e-003	3.0000e-005	2.2700e-003	0.0000	5.6857	5.6857	1.2000e-004	1.3000e-004	5.7278

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.8153	0.0000	0.8153	0.2303	0.0000	0.2303	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1552	1.4949	1.4087	3.3200e-003		0.0605	0.0605		0.0557	0.0557	0.0000	291.6079	291.6079	0.0943	0.0000	293.9657
Total	0.1552	1.4949	1.4087	3.3200e-003	0.8153	0.0605	0.8758	0.2303	0.0557	0.2860	0.0000	291.6079	291.6079	0.0943	0.0000	293.9657

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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	2.0100e-003	1.1200e-003	0.0175	6.0000e-005	8.4200e-003	4.0000e-005	8.4600e-003	2.2400e-003	3.0000e-005	2.2700e-003	0.0000	5.6857	5.6857	1.2000e-004	1.3000e-004	5.7278
Total	2.0100e-003	1.1200e-003	0.0175	6.0000e-005	8.4200e-003	4.0000e-005	8.4600e-003	2.2400e-003	3.0000e-005	2.2700e-003	0.0000	5.6857	5.6857	1.2000e-004	1.3000e-004	5.7278

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	0.1053	0.9602	1.2385	2.0800e-003		0.0406	0.0406		0.0382	0.0382	0.0000	178.5780	178.5780	0.0420	0.0000	179.6274
Total	0.1053	0.9602	1.2385	2.0800e-003		0.0406	0.0406		0.0382	0.0382	0.0000	178.5780	178.5780	0.0420	0.0000	179.6274

22-111 Ravenswood SP Update Scenario 1 - San Mateo 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	0.0678	3.1589	1.1725	0.0136	0.4535	0.0168	0.4703	0.1312	0.0161	0.1472	0.0000	1,393.3053	1,393.3053	0.0969	0.2060	1,457.1144
Worker	0.3729	0.2089	3.2510	0.0115	1.5664	6.5200e-003	1.5729	0.4168	6.0000e-003	0.4228	0.0000	1,057.2676	1,057.2676	0.0224	0.0244	1,065.0938
Total	0.4408	3.3678	4.4235	0.0252	2.0199	0.0233	2.0432	0.5480	0.0221	0.5701	0.0000	2,450.5729	2,450.5729	0.1193	0.2304	2,522.2082

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1053	0.9602	1.2385	2.0800e-003		0.0406	0.0406		0.0382	0.0382	0.0000	178.5778	178.5778	0.0420	0.0000	179.6272
Total	0.1053	0.9602	1.2385	2.0800e-003		0.0406	0.0406		0.0382	0.0382	0.0000	178.5778	178.5778	0.0420	0.0000	179.6272

Mitigated Construction Off-Site

22-111 Ravenswood SP Update Scenario 1 - San Mateo 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	0.0678	3.1589	1.1725	0.0136	0.4535	0.0168	0.4703	0.1312	0.0161	0.1472	0.0000	1,393.3053	1,393.3053	0.0969	0.2060	1,457.1144
Worker	0.3729	0.2089	3.2510	0.0115	1.5664	6.5200e-003	1.5729	0.4168	6.0000e-003	0.4228	0.0000	1,057.2676	1,057.2676	0.0224	0.0244	1,065.0938
Total	0.4408	3.3678	4.4235	0.0252	2.0199	0.0233	2.0432	0.5480	0.0221	0.5701	0.0000	2,450.5729	2,450.5729	0.1193	0.2304	2,522.2082

3.5 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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Unmitigated Construction Off-Site

22-111 Ravenswood SP Update Scenario 1 - San Mateo 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	0.1124	5.2810	1.9925	0.0226	0.7687	0.0282	0.7969	0.2224	0.0270	0.2494	0.0000	2,311.0266	2,311.0266	0.1670	0.3420	2,417.1004
Worker	0.6091	0.3283	5.2766	0.0190	2.6547	0.0104	2.6651	0.7064	9.5300e-003	0.7160	0.0000	1,745.4222	1,745.4222	0.0351	0.0396	1,758.0868
Total	0.7215	5.6093	7.2691	0.0416	3.4234	0.0386	3.4620	0.9288	0.0365	0.9653	0.0000	4,056.4488	4,056.4488	0.2021	0.3815	4,175.1872

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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22-111 Ravenswood SP Update Scenario 1 - San Mateo 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
Vendor	0.1124	5.2810	1.9925	0.0226	0.7687	0.0282	0.7969	0.2224	0.0270	0.2494	0.0000	2,311.0266	2,311.0266	0.1670	0.3420	2,417.1004
Worker	0.6091	0.3283	5.2766	0.0190	2.6547	0.0104	2.6651	0.7064	9.5300e-003	0.7160	0.0000	1,745.4222	1,745.4222	0.0351	0.0396	1,758.0868
Total	0.7215	5.6093	7.2691	0.0416	3.4234	0.0386	3.4620	0.9288	0.0365	0.9653	0.0000	4,056.4488	4,056.4488	0.2021	0.3815	4,175.1872

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671
Total	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671

Unmitigated Construction Off-Site

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

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

Vendor	0.1102	5.2020	1.9962	0.0220	0.7658	0.0279	0.7938	0.2215	0.0267	0.2483	0.0000	2,254.5839	2,254.5839	0.1693	0.3337	2,358.2706
Worker	0.5849	0.3058	5.0600	0.0185	2.6445	9.6000e-003	2.6541	0.7037	8.8400e-003	0.7126	0.0000	1,697.7528	1,697.7528	0.0325	0.0380	1,709.8733
Total	0.6951	5.5079	7.0562	0.0405	3.4103	0.0375	3.4479	0.9253	0.0356	0.9608	0.0000	3,952.3367	3,952.3367	0.2018	0.3717	4,068.1439

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1090	5.1434	2.0145	0.0215	0.7689	0.0277	0.7966	0.2224	0.0265	0.2489	0.0000	2,212.2185	2,212.2185	0.1729	0.3276	2,314.1516

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

Worker	0.5648	0.2888	4.9053	0.0182	2.6547	9.0000e-003	2.6637	0.7064	8.2900e-003	0.7147	0.0000	1,667.7051	1,667.7051	0.0304	0.0369	1,679.4499
Total	0.6738	5.4322	6.9198	0.0397	3.4235	0.0367	3.4603	0.9289	0.0348	0.9637	0.0000	3,879.9236	3,879.9236	0.2033	0.3644	3,993.6015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1090	5.1434	2.0145	0.0215	0.7689	0.0277	0.7966	0.2224	0.0265	0.2489	0.0000	2,212.2185	2,212.2185	0.1729	0.3276	2,314.1516
Worker	0.5648	0.2888	4.9053	0.0182	2.6547	9.0000e-003	2.6637	0.7064	8.2900e-003	0.7147	0.0000	1,667.7051	1,667.7051	0.0304	0.0369	1,679.4499

22-111 Ravenswood SP Update Scenario 1 - San Mateo County, Annual

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

Total	0.6738	5.4322	6.9198	0.0397	3.4235	0.0367	3.4603	0.9289	0.0348	0.9637	0.0000	3,879.9236	3,879.9236	0.2033	0.3644	3,993.6015
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3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777
Total	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1076	5.0870	2.0273	0.0211	0.7689	0.0274	0.7964	0.2225	0.0262	0.2487	0.0000	2,168.5146	2,168.5146	0.1755	0.3212	2,268.6177
Worker	0.5456	0.2744	4.7624	0.0178	2.6547	8.4400e-003	2.6631	0.7064	7.7700e-003	0.7142	0.0000	1,635.3661	1,635.3661	0.0285	0.0359	1,646.7693
Total	0.6533	5.3614	6.7896	0.0389	3.4236	0.0359	3.4595	0.9289	0.0340	0.9629	0.0000	3,803.8807	3,803.8807	0.2040	0.3571	3,915.3870

22-111 Ravenswood SP Update Scenario 1 - San Mateo 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	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773
Total	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1076	5.0870	2.0273	0.0211	0.7689	0.0274	0.7964	0.2225	0.0262	0.2487	0.0000	2,168.5146	2,168.5146	0.1755	0.3212	2,268.6177
Worker	0.5456	0.2744	4.7624	0.0178	2.6547	8.4400e-003	2.6631	0.7064	7.7700e-003	0.7142	0.0000	1,635.3661	1,635.3661	0.0285	0.0359	1,646.7693
Total	0.6533	5.3614	6.7896	0.0389	3.4236	0.0359	3.4595	0.9289	0.0340	0.9629	0.0000	3,803.8807	3,803.8807	0.2040	0.3571	3,915.3870

22-111 Ravenswood SP Update Scenario 1 - San Mateo County, Annual

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

3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777
Total	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1068	5.0451	2.0409	0.0206	0.7690	0.0273	0.7963	0.2225	0.0261	0.2485	0.0000	2,129.4650	2,129.4650	0.1777	0.3155	2,227.9194
Worker	0.5265	0.2621	4.6367	0.0175	2.6547	7.9200e-003	2.6626	0.7064	7.2900e-003	0.7137	0.0000	1,606.7452	1,606.7452	0.0268	0.0351	1,617.8607
Total	0.6333	5.3072	6.6775	0.0382	3.4237	0.0352	3.4589	0.9289	0.0334	0.9623	0.0000	3,736.2103	3,736.2103	0.2045	0.3505	3,845.7800

Mitigated Construction On-Site

22-111 Ravenswood SP Update Scenario 1 - San Mateo 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	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773
Total	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1068	5.0451	2.0409	0.0206	0.7690	0.0273	0.7963	0.2225	0.0261	0.2485	0.0000	2,129.4650	2,129.4650	0.1777	0.3155	2,227.9194
Worker	0.5265	0.2621	4.6367	0.0175	2.6547	7.9200e-003	2.6626	0.7064	7.2900e-003	0.7137	0.0000	1,606.7452	1,606.7452	0.0268	0.0351	1,617.8607
Total	0.6333	5.3072	6.6775	0.0382	3.4237	0.0352	3.4589	0.9289	0.0334	0.9623	0.0000	3,736.2103	3,736.2103	0.2045	0.3505	3,845.7800

3.5 Building Construction - 2032

Unmitigated Construction On-Site

22-111 Ravenswood SP Update Scenario 1 - San Mateo 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	0.1715	1.0394	2.1166	4.0600e-003		0.0194	0.0194		0.0194	0.0194	0.0000	344.3479	344.3479	0.0138	0.0000	344.6933
Total	0.1715	1.0394	2.1166	4.0600e-003		0.0194	0.0194		0.0194	0.0194	0.0000	344.3479	344.3479	0.0138	0.0000	344.6933

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1066	5.0261	2.0631	0.0204	0.7720	0.0272	0.7992	0.2234	0.0260	0.2493	0.0000	2,102.6398	2,102.6398	0.1803	0.3116	2,199.9993
Worker	0.5109	0.2531	4.5453	0.0173	2.6649	7.4800e-003	2.6723	0.7091	6.8800e-003	0.7160	0.0000	1,587.5590	1,587.5590	0.0254	0.0345	1,598.4805
Total	0.6174	5.2792	6.6085	0.0377	3.4369	0.0346	3.4715	0.9325	0.0329	0.9654	0.0000	3,690.1988	3,690.1988	0.2057	0.3461	3,798.4798

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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22-111 Ravenswood SP Update Scenario 1 - San Mateo 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					
	Off-Road	0.1715	1.0394	2.1166	4.0600e-003		0.0194	0.0194		0.0194	0.0194	0.0000	344.3475	344.3475	0.0138	0.0000
Total	0.1715	1.0394	2.1166	4.0600e-003		0.0194	0.0194		0.0194	0.0194	0.0000	344.3475	344.3475	0.0138	0.0000	344.6929

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1066	5.0261	2.0631	0.0204	0.7720	0.0272	0.7992	0.2234	0.0260	0.2493	0.0000	2,102.6398	2,102.6398	0.1803	0.3116	2,199.9993
Worker	0.5109	0.2531	4.5453	0.0173	2.6649	7.4800e-003	2.6723	0.7091	6.8800e-003	0.7160	0.0000	1,587.5590	1,587.5590	0.0254	0.0345	1,598.4805
Total	0.6174	5.2792	6.6085	0.0377	3.4369	0.0346	3.4715	0.9325	0.0329	0.9654	0.0000	3,690.1988	3,690.1988	0.2057	0.3461	3,798.4798

3.5 Building Construction - 2033

Unmitigated Construction On-Site

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

22-111 Ravenswood SP Update Scenario 1 - San Mateo County, Annual

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

Off-Road	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621
Total	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1054	4.9525	2.0617	0.0199	0.7662	0.0268	0.7929	0.2217	0.0256	0.2473	0.0000	2,054.5746	2,054.5746	0.1806	0.3045	2,149.8419
Worker	0.4912	0.2433	4.4170	0.0169	2.6445	6.9900e-003	2.6515	0.7037	6.4300e-003	0.7102	0.0000	1,553.3799	1,553.3799	0.0239	0.0337	1,564.0276
Total	0.5966	5.1958	6.4787	0.0368	3.4107	0.0338	3.4445	0.9254	0.0320	0.9574	0.0000	3,607.9546	3,607.9546	0.2045	0.3383	3,713.8695

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617

22-111 Ravenswood SP Update Scenario 1 - San Mateo County, Annual

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

Total	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1054	4.9525	2.0617	0.0199	0.7662	0.0268	0.7929	0.2217	0.0256	0.2473	0.0000	2,054.5746	2,054.5746	0.1806	0.3045	2,149.8419
Worker	0.4912	0.2433	4.4170	0.0169	2.6445	6.9900e-003	2.6515	0.7037	6.4300e-003	0.7102	0.0000	1,553.3799	1,553.3799	0.0239	0.0337	1,564.0276
Total	0.5966	5.1958	6.4787	0.0368	3.4107	0.0338	3.4445	0.9254	0.0320	0.9574	0.0000	3,607.9546	3,607.9546	0.2045	0.3383	3,713.8695

3.5 Building Construction - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621
Total	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621

22-111 Ravenswood SP Update Scenario 1 - San Mateo 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	0.1053	4.9221	2.0743	0.0196	0.7662	0.0266	0.7928	0.2217	0.0255	0.2472	0.0000	2,025.5386	2,025.5386	0.1821	0.3003	2,119.5865
Worker	0.4769	0.2369	4.3334	0.0167	2.6445	6.6000e-003	2.6511	0.7037	6.0700e-003	0.7098	0.0000	1,534.0527	1,534.0527	0.0227	0.0333	1,544.5433
Total	0.5822	5.1590	6.4078	0.0363	3.4107	0.0332	3.4440	0.9254	0.0315	0.9570	0.0000	3,559.5913	3,559.5913	0.2048	0.3336	3,664.1299

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617
Total	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617

22-111 Ravenswood SP Update Scenario 1 - San Mateo 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	0.1053	4.9221	2.0743	0.0196	0.7662	0.0266	0.7928	0.2217	0.0255	0.2472	0.0000	2,025.5386	2,025.5386	0.1821	0.3003	2,119.5865
Worker	0.4769	0.2369	4.3334	0.0167	2.6445	6.6000e-003	2.6511	0.7037	6.0700e-003	0.7098	0.0000	1,534.0527	1,534.0527	0.0227	0.0333	1,544.5433
Total	0.5822	5.1590	6.4078	0.0363	3.4107	0.0332	3.4440	0.9254	0.0315	0.9570	0.0000	3,559.5913	3,559.5913	0.2048	0.3336	3,664.1299

3.5 Building Construction - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530
Total	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530

Unmitigated Construction Off-Site

22-111 Ravenswood SP Update Scenario 1 - San Mateo 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	0.1056	4.9098	2.0929	0.0194	0.7692	0.0266	0.7958	0.2226	0.0254	0.2480	0.0000	2,006.3560	2,006.3560	0.1839	0.2976	2,099.6257
Worker	0.4651	0.2330	4.2779	0.0166	2.6547	6.2700e-003	2.6610	0.7064	5.7700e-003	0.7122	0.0000	1,523.0996	1,523.0996	0.0218	0.0331	1,533.5068
Total	0.5707	5.1428	6.3708	0.0360	3.4239	0.0329	3.4568	0.9290	0.0312	0.9602	0.0000	3,529.4557	3,529.4557	0.2057	0.3307	3,633.1325

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526
Total	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526

Mitigated Construction Off-Site

22-111 Ravenswood SP Update Scenario 1 - San Mateo 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	0.1056	4.9098	2.0929	0.0194	0.7692	0.0266	0.7958	0.2226	0.0254	0.2480	0.0000	2,006.3560	2,006.3560	0.1839	0.2976	2,099.6257
Worker	0.4651	0.2330	4.2779	0.0166	2.6547	6.2700e-003	2.6610	0.7064	5.7700e-003	0.7122	0.0000	1,523.0996	1,523.0996	0.0218	0.0331	1,533.5068
Total	0.5707	5.1428	6.3708	0.0360	3.4239	0.0329	3.4568	0.9290	0.0312	0.9602	0.0000	3,529.4557	3,529.4557	0.2057	0.3307	3,633.1325

3.5 Building Construction - 2036

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1594	0.9381	2.1114	4.0600e-003		0.0118	0.0118		0.0118	0.0118	0.0000	344.3479	344.3479	0.0128	0.0000	344.6686
Total	0.1594	0.9381	2.1114	4.0600e-003		0.0118	0.0118		0.0118	0.0118	0.0000	344.3479	344.3479	0.0128	0.0000	344.6686

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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22-111 Ravenswood SP Update Scenario 1 - San Mateo 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
Vendor	0.1060	4.9286	2.1009	0.0194	0.7722	0.0267	0.7989	0.2234	0.0255	0.2489	0.0000	2,014.0432	2,014.0432	0.1846	0.2987	2,107.6702
Worker	0.4669	0.2339	4.2943	0.0167	2.6649	6.3000e-003	2.6712	0.7091	5.8000e-003	0.7149	0.0000	1,528.9353	1,528.9353	0.0219	0.0332	1,539.3823
Total	0.5729	5.1625	6.3952	0.0361	3.4370	0.0330	3.4700	0.9325	0.0313	0.9639	0.0000	3,542.9785	3,542.9785	0.2065	0.3319	3,647.0526

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1594	0.9381	2.1114	4.0600e-003		0.0118	0.0118		0.0118	0.0118	0.0000	344.3475	344.3475	0.0128	0.0000	344.6682
Total	0.1594	0.9381	2.1114	4.0600e-003		0.0118	0.0118		0.0118	0.0118	0.0000	344.3475	344.3475	0.0128	0.0000	344.6682

Mitigated Construction Off-Site

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

22-111 Ravenswood SP Update Scenario 1 - San Mateo County, Annual

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

Vendor	0.1056	4.9098	2.0929	0.0194	0.7692	0.0266	0.7958	0.2226	0.0254	0.2480	0.0000	2,006.3560	2,006.3560	0.1839	0.2976	2,099.6257
Worker	0.4651	0.2330	4.2779	0.0166	2.6547	6.2700e-003	2.6610	0.7064	5.7700e-003	0.7122	0.0000	1,523.0996	1,523.0996	0.0218	0.0331	1,533.5068
Total	0.5707	5.1428	6.3708	0.0360	3.4239	0.0329	3.4568	0.9290	0.0312	0.9602	0.0000	3,529.4557	3,529.4557	0.2057	0.3307	3,633.1325

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526
Total	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1056	4.9098	2.0929	0.0194	0.7692	0.0266	0.7958	0.2226	0.0254	0.2480	0.0000	2,006.3560	2,006.3560	0.1839	0.2976	2,099.6257

22-111 Ravenswood SP Update Scenario 1 - San Mateo County, Annual

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

Worker	0.4651	0.2330	4.2779	0.0166	2.6547	6.2700e-003	2.6610	0.7064	5.7700e-003	0.7122	0.0000	1,523.0996	1,523.0996	0.0218	0.0331	1,533.5068
Total	0.5707	5.1428	6.3708	0.0360	3.4239	0.0329	3.4568	0.9290	0.0312	0.9602	0.0000	3,529.4557	3,529.4557	0.2057	0.3307	3,633.1325

3.5 Building Construction - 2038

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0462	0.2721	0.6125	1.1800e-003		3.4400e-003	3.4400e-003		3.4400e-003	3.4400e-003	0.0000	99.8872	99.8872	3.7200e-003	0.0000	99.9802
Total	0.0462	0.2721	0.6125	1.1800e-003		3.4400e-003	3.4400e-003		3.4400e-003	3.4400e-003	0.0000	99.8872	99.8872	3.7200e-003	0.0000	99.9802

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0308	1.4297	0.6094	5.6400e-003	0.2240	7.7400e-003	0.2317	0.0648	7.4100e-003	0.0722	0.0000	584.2263	584.2263	0.0536	0.0867	611.3853
Worker	0.1354	0.0678	1.2457	4.8400e-003	0.7730	1.8300e-003	0.7748	0.2057	1.6800e-003	0.2074	0.0000	443.5079	443.5079	6.3500e-003	9.6400e-003	446.5384

22-111 Ravenswood SP Update Scenario 1 - San Mateo County, Annual

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

Total	0.1662	1.4975	1.8551	0.0105	0.9970	9.5700e-003	1.0066	0.2705	9.0900e-003	0.2796	0.0000	1,027.7342	1,027.7342	0.0599	0.0963	1,057.9237
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0462	0.2721	0.6125	1.1800e-003		3.4400e-003	3.4400e-003		3.4400e-003	3.4400e-003	0.0000	99.8871	99.8871	3.7200e-003	0.0000	99.9801
Total	0.0462	0.2721	0.6125	1.1800e-003		3.4400e-003	3.4400e-003		3.4400e-003	3.4400e-003	0.0000	99.8871	99.8871	3.7200e-003	0.0000	99.9801

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0308	1.4297	0.6094	5.6400e-003	0.2240	7.7400e-003	0.2317	0.0648	7.4100e-003	0.0722	0.0000	584.2263	584.2263	0.0536	0.0867	611.3853
Worker	0.1354	0.0678	1.2457	4.8400e-003	0.7730	1.8300e-003	0.7748	0.2057	1.6800e-003	0.2074	0.0000	443.5079	443.5079	6.3500e-003	9.6400e-003	446.5384
Total	0.1662	1.4975	1.8551	0.0105	0.9970	9.5700e-003	1.0066	0.2705	9.0900e-003	0.2796	0.0000	1,027.7342	1,027.7342	0.0599	0.0963	1,057.9237

22-111 Ravenswood SP Update Scenario 1 - San Mateo County, Annual

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

3.6 Paving - 2038

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1055	0.4510	1.4634	2.5900e-003		0.0173	0.0173		0.0173	0.0173	0.0000	222.9205	222.9205	8.5800e-003	0.0000	223.1350
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1055	0.4510	1.4634	2.5900e-003		0.0173	0.0173		0.0173	0.0173	0.0000	222.9205	222.9205	8.5800e-003	0.0000	223.1350

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9100e-003	9.6000e-004	0.0176	7.0000e-005	0.0109	3.0000e-005	0.0110	2.9100e-003	2.0000e-005	2.9300e-003	0.0000	6.2670	6.2670	9.0000e-005	1.4000e-004	6.3098
Total	1.9100e-003	9.6000e-004	0.0176	7.0000e-005	0.0109	3.0000e-005	0.0110	2.9100e-003	2.0000e-005	2.9300e-003	0.0000	6.2670	6.2670	9.0000e-005	1.4000e-004	6.3098

22-111 Ravenswood SP Update Scenario 1 - San Mateo 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	0.1055	0.4510	1.4634	2.5900e-003		0.0173	0.0173		0.0173	0.0173	0.0000	222.9203	222.9203	8.5800e-003	0.0000	223.1347
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1055	0.4510	1.4634	2.5900e-003		0.0173	0.0173		0.0173	0.0173	0.0000	222.9203	222.9203	8.5800e-003	0.0000	223.1347

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9100e-003	9.6000e-004	0.0176	7.0000e-005	0.0109	3.0000e-005	0.0110	2.9100e-003	2.0000e-005	2.9300e-003	0.0000	6.2670	6.2670	9.0000e-005	1.4000e-004	6.3098
Total	1.9100e-003	9.6000e-004	0.0176	7.0000e-005	0.0109	3.0000e-005	0.0110	2.9100e-003	2.0000e-005	2.9300e-003	0.0000	6.2670	6.2670	9.0000e-005	1.4000e-004	6.3098

22-111 Ravenswood SP Update Scenario 1 - San Mateo County, Annual

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

3.6 Paving - 2039

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0200	0.0853	0.2769	4.9000e-004		3.2800e-003	3.2800e-003		3.2800e-003	3.2800e-003	0.0000	42.1742	42.1742	1.6200e-003	0.0000	42.2147
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0200	0.0853	0.2769	4.9000e-004		3.2800e-003	3.2800e-003		3.2800e-003	3.2800e-003	0.0000	42.1742	42.1742	1.6200e-003	0.0000	42.2147

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6000e-004	1.8000e-004	3.3300e-003	1.0000e-005	2.0700e-003	0.0000	2.0700e-003	5.5000e-004	0.0000	5.5000e-004	0.0000	1.1856	1.1856	2.0000e-005	3.0000e-005	1.1938
Total	3.6000e-004	1.8000e-004	3.3300e-003	1.0000e-005	2.0700e-003	0.0000	2.0700e-003	5.5000e-004	0.0000	5.5000e-004	0.0000	1.1856	1.1856	2.0000e-005	3.0000e-005	1.1938

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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	0.0200	0.0853	0.2769	4.9000e-004		3.2800e-003	3.2800e-003		3.2800e-003	3.2800e-003	0.0000	42.1741	42.1741	1.6200e-003	0.0000	42.2147
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0200	0.0853	0.2769	4.9000e-004		3.2800e-003	3.2800e-003		3.2800e-003	3.2800e-003	0.0000	42.1741	42.1741	1.6200e-003	0.0000	42.2147

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6000e-004	1.8000e-004	3.3300e-003	1.0000e-005	2.0700e-003	0.0000	2.0700e-003	5.5000e-004	0.0000	5.5000e-004	0.0000	1.1856	1.1856	2.0000e-005	3.0000e-005	1.1938
Total	3.6000e-004	1.8000e-004	3.3300e-003	1.0000e-005	2.0700e-003	0.0000	2.0700e-003	5.5000e-004	0.0000	5.5000e-004	0.0000	1.1856	1.1856	2.0000e-005	3.0000e-005	1.1938

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

3.7 Architectural Coating - 2039

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	27.2313					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0130	0.0834	0.1974	3.3000e-004		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	28.0858	28.0858	1.0400e-003	0.0000	28.1117
Total	27.2443	0.0834	0.1974	3.3000e-004		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	28.0858	28.0858	1.0400e-003	0.0000	28.1117

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0784	0.0393	0.7215	2.8000e-003	0.4477	1.0600e-003	0.4488	0.1191	9.7000e-004	0.1201	0.0000	256.8671	256.8671	3.6800e-003	5.5800e-003	258.6223
Total	0.0784	0.0393	0.7215	2.8000e-003	0.4477	1.0600e-003	0.4488	0.1191	9.7000e-004	0.1201	0.0000	256.8671	256.8671	3.6800e-003	5.5800e-003	258.6223

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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	27.2313					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0130	0.0834	0.1974	3.3000e-004		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	28.0858	28.0858	1.0400e-003	0.0000	28.1117
Total	27.2443	0.0834	0.1974	3.3000e-004		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	28.0858	28.0858	1.0400e-003	0.0000	28.1117

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0784	0.0393	0.7215	2.8000e-003	0.4477	1.0600e-003	0.4488	0.1191	9.7000e-004	0.1201	0.0000	256.8671	256.8671	3.6800e-003	5.5800e-003	258.6223
Total	0.0784	0.0393	0.7215	2.8000e-003	0.4477	1.0600e-003	0.4488	0.1191	9.7000e-004	0.1201	0.0000	256.8671	256.8671	3.6800e-003	5.5800e-003	258.6223

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	6.3436	2.7627	22.5469	7.5400e-003	0.0297	0.0107	0.0403	7.4300e-003	9.8500e-003	0.0173	0.0000	702.2590	702.2590	0.3840	0.2635	790.3777
Unmitigated	6.3436	2.7627	22.5469	7.5400e-003	0.0297	0.0107	0.0403	7.4300e-003	9.8500e-003	0.0173	0.0000	702.2590	702.2590	0.3840	0.2635	790.3777

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	3,454.40	3,124.20	2603.50	3,588	3,588
City Park	13.80	34.80	38.70	44	44
Fast Food Restaurant w/o Drive Thru	3,606.06	7,248.87	5207.55	19,024	19,024
General Heavy Industry	1,164.71	1,899.91	1507.28	1,440	1,440
General Office Building	11,719.18	2,668.37	847.39	12,919	12,919
Government (Civic Center)	1,311.34	0.00	0.00	5,455	5,455
Government Office Building	796.60	0.00	0.00	3,314	3,314
High Turnover (Sit Down Restaurant)	810.04	883.82	1029.99	13,336	13,336
Library	501.58	557.61	293.02	2,096	2,096
Quality Restaurant	435.61	467.79	373.94	6,909	6,909
Regional Shopping Center	3,257.75	3,979.58	1820.66	12,635	12,635

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

Research & Development	6,572.86	1,107.01	652.34	5,401	5,401
Single Family Housing	452.80	456.80	409.60	488	488
Total	34,096.74	22,428.75	14,783.96	86,649	86,649

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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	0.00	0.00	0.00	31.00	15.00	54.00	86	11	3
City Park	0.00	0.00	0.00	33.00	48.00	19.00	66	28	6
Fast Food Restaurant w/o Drive	0.00	0.00	0.00	1.50	79.50	19.00	51	37	12
General Heavy Industry	0.00	0.00	0.00	59.00	28.00	13.00	92	5	3
General Office Building	0.00	0.00	0.00	33.00	48.00	19.00	77	19	4
Government (Civic Center)	0.00	0.00	0.00	75.00	20.00	5.00	50	34	16
Government Office Building	0.00	0.00	0.00	33.00	62.00	5.00	50	34	16
High Turnover (Sit Down	0.00	0.00	0.00	8.50	72.50	19.00	37	20	43
Library	0.00	0.00	0.00	52.00	43.00	5.00	44	44	12
Quality Restaurant	0.00	0.00	0.00	12.00	69.00	19.00	38	18	44
Regional Shopping Center	0.00	0.00	0.00	16.30	64.70	19.00	54	35	11
Research & Development	0.00	0.00	0.00	33.00	48.00	19.00	82	15	3
Single Family Housing	0.00	0.00	0.00	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.355048	0.037746	0.327499	0.194881	0.039857	0.009615	0.014559	0.008400	0.004633	0.001783	0.004708	0.000492	0.000779
City Park	0.355048	0.037746	0.327499	0.194881	0.039857	0.009615	0.014559	0.008400	0.004633	0.001783	0.004708	0.000492	0.000779
Fast Food Restaurant w/o Drive Thru	0.355048	0.037746	0.327499	0.194881	0.039857	0.009615	0.014559	0.008400	0.004633	0.001783	0.004708	0.000492	0.000779
General Heavy Industry	0.355048	0.037746	0.327499	0.194881	0.039857	0.009615	0.014559	0.008400	0.004633	0.001783	0.004708	0.000492	0.000779
General Office Building	0.355048	0.037746	0.327499	0.194881	0.039857	0.009615	0.014559	0.008400	0.004633	0.001783	0.004708	0.000492	0.000779
Government (Civic Center)	0.355048	0.037746	0.327499	0.194881	0.039857	0.009615	0.014559	0.008400	0.004633	0.001783	0.004708	0.000492	0.000779
Government Office Building	0.355048	0.037746	0.327499	0.194881	0.039857	0.009615	0.014559	0.008400	0.004633	0.001783	0.004708	0.000492	0.000779
High Turnover (Sit Down Restaurant)	0.355048	0.037746	0.327499	0.194881	0.039857	0.009615	0.014559	0.008400	0.004633	0.001783	0.004708	0.000492	0.000779
Library	0.355048	0.037746	0.327499	0.194881	0.039857	0.009615	0.014559	0.008400	0.004633	0.001783	0.004708	0.000492	0.000779

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

Quality Restaurant	0.355048	0.037746	0.327499	0.194881	0.039857	0.009615	0.014559	0.008400	0.004633	0.001783	0.004708	0.000492	0.000779
Regional Shopping Center	0.355048	0.037746	0.327499	0.194881	0.039857	0.009615	0.014559	0.008400	0.004633	0.001783	0.004708	0.000492	0.000779
Research & Development	0.355048	0.037746	0.327499	0.194881	0.039857	0.009615	0.014559	0.008400	0.004633	0.001783	0.004708	0.000492	0.000779
Single Family Housing	0.355048	0.037746	0.327499	0.194881	0.039857	0.009615	0.014559	0.008400	0.004633	0.001783	0.004708	0.000492	0.000779

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.4793	4.3163	3.3620	0.0261		0.3311	0.3311		0.3311	0.3311	0.0000	4,743.0626	4,743.0626	0.0909	0.0870	4,771.2482
NaturalGas Unmitigated	0.4793	4.3163	3.3620	0.0261		0.3311	0.3311		0.3311	0.3311	0.0000	4,743.0626	4,743.0626	0.0909	0.0870	4,771.2482

5.2 Energy by Land Use - NaturalGas

Unmitigated

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

	Natural Gas 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	1.07226e+007	0.0578	0.4941	0.2103	3.1500e-003		0.0400	0.0400		0.0400	0.0400	0.0000	572.2000	572.2000	0.0110	0.0105	575.6003
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
Fast Food Restaurant w/o Drive Thru	3.03211e+006	0.0164	0.1486	0.1249	8.9000e-004		0.0113	0.0113		0.0113	0.0113	0.0000	161.8050	161.8050	3.1000e-003	2.9700e-003	162.7666
General Heavy Industry	6.47444e+006	0.0349	0.3174	0.2666	1.9000e-003		0.0241	0.0241		0.0241	0.0241	0.0000	345.5008	345.5008	6.6200e-003	6.3300e-003	347.5540
General Office Building	3.45265e+007	0.1862	1.6925	1.4217	0.0102		0.1286	0.1286		0.1286	0.1286	0.0000	1,842.4651	1,842.4651	0.0353	0.0338	1,853.4140
Government (Civic Center)	1.45157e+006	7.8300e-003	0.0712	0.0598	4.3000e-004		5.4100e-003	5.4100e-003		5.4100e-003	5.4100e-003	0.0000	77.4613	77.4613	1.4800e-003	1.4200e-003	77.9216
Government Office Building	1.12583e+006	6.0700e-003	0.0552	0.0464	3.3000e-004		4.1900e-003	4.1900e-003		4.1900e-003	4.1900e-003	0.0000	60.0785	60.0785	1.1500e-003	1.1000e-003	60.4355
High Turnover (Sit Down Restaurant)	2.10908e+006	0.0114	0.1034	0.0868	6.2000e-004		7.8600e-003	7.8600e-003		7.8600e-003	7.8600e-003	0.0000	112.5484	112.5484	2.1600e-003	2.0600e-003	113.2172
Library	285012	1.5400e-003	0.0140	0.0117	8.0000e-005		1.0600e-003	1.0600e-003		1.0600e-003	1.0600e-003	0.0000	15.2093	15.2093	2.9000e-004	2.8000e-004	15.2997
Quality Restaurant	1.44905e+006	7.8100e-003	0.0710	0.0597	4.3000e-004		5.4000e-003	5.4000e-003		5.4000e-003	5.4000e-003	0.0000	77.3267	77.3267	1.4800e-003	1.4200e-003	77.7862
Regional Shopping Center	333154	1.8000e-003	0.0163	0.0137	1.0000e-004		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	17.7783	17.7783	3.4000e-004	3.3000e-004	17.8840
Research & Development	2.4285e+007	0.1310	1.1904	1.0000	7.1400e-003		0.0905	0.0905		0.0905	0.0905	0.0000	1,295.9394	1,295.9394	0.0248	0.0238	1,303.6406
Single Family Housing	3.08729e+006	0.0167	0.1423	0.0605	9.1000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	164.7496	164.7496	3.1600e-003	3.0200e-003	165.7286
Total		0.4793	4.3163	3.3620	0.0261		0.3311	0.3311		0.3311	0.3311	0.0000	4,743.0626	4,743.0626	0.0909	0.0870	4,771.2482

Mitigated

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

	Natural Gas 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	1.07226e+007	0.0578	0.4941	0.2103	3.1500e-003		0.0400	0.0400		0.0400	0.0400	0.0000	572.2000	572.2000	0.0110	0.0105	575.6003
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
Fast Food Restaurant w/o Drive Thru	3.03211e+006	0.0164	0.1486	0.1249	8.9000e-004		0.0113	0.0113		0.0113	0.0113	0.0000	161.8050	161.8050	3.1000e-003	2.9700e-003	162.7666
General Heavy Industry	6.47444e+006	0.0349	0.3174	0.2666	1.9000e-003		0.0241	0.0241		0.0241	0.0241	0.0000	345.5008	345.5008	6.6200e-003	6.3300e-003	347.5540
General Office Building	3.45265e+007	0.1862	1.6925	1.4217	0.0102		0.1286	0.1286		0.1286	0.1286	0.0000	1,842.4651	1,842.4651	0.0353	0.0338	1,853.4140
Government (Civic Center)	1.45157e+006	7.8300e-003	0.0712	0.0598	4.3000e-004		5.4100e-003	5.4100e-003		5.4100e-003	5.4100e-003	0.0000	77.4613	77.4613	1.4800e-003	1.4200e-003	77.9216
Government Office Building	1.12583e+006	6.0700e-003	0.0552	0.0464	3.3000e-004		4.1900e-003	4.1900e-003		4.1900e-003	4.1900e-003	0.0000	60.0785	60.0785	1.1500e-003	1.1000e-003	60.4355
High Turnover (Sit Down Restaurant)	2.10908e+006	0.0114	0.1034	0.0868	6.2000e-004		7.8600e-003	7.8600e-003		7.8600e-003	7.8600e-003	0.0000	112.5484	112.5484	2.1600e-003	2.0600e-003	113.2172
Library	285012	1.5400e-003	0.0140	0.0117	8.0000e-005		1.0600e-003	1.0600e-003		1.0600e-003	1.0600e-003	0.0000	15.2093	15.2093	2.9000e-004	2.8000e-004	15.2997
Quality Restaurant	1.44905e+006	7.8100e-003	0.0710	0.0597	4.3000e-004		5.4000e-003	5.4000e-003		5.4000e-003	5.4000e-003	0.0000	77.3267	77.3267	1.4800e-003	1.4200e-003	77.7862
Regional Shopping Center	333154	1.8000e-003	0.0163	0.0137	1.0000e-004		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	17.7783	17.7783	3.4000e-004	3.3000e-004	17.8840
Research & Development	2.4285e+007	0.1310	1.1904	1.0000	7.1400e-003		0.0905	0.0905		0.0905	0.0905	0.0000	1,295.9394	1,295.9394	0.0248	0.0238	1,303.6406
Single Family Housing	3.08729e+006	0.0167	0.1423	0.0605	9.1000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	164.7496	164.7496	3.1600e-003	3.0200e-003	165.7286
Total		0.4793	4.3163	3.3620	0.0261		0.3311	0.3311		0.3311	0.3311	0.0000	4,743.0626	4,743.0626	0.0909	0.0870	4,771.2482

5.3 Energy by Land Use - Electricity

Unmitigated

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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	4.93569e+006	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	519289	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	1.95788e+006	0.0000	0.0000	0.0000	0.0000
General Office Building	2.17075e+007	0.0000	0.0000	0.0000	0.0000
Government (Civic Center)	912632	0.0000	0.0000	0.0000	0.0000
Government Office Building	707832	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	361207	0.0000	0.0000	0.0000	0.0000
Library	86188	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	248168	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	748134	0.0000	0.0000	0.0000	0.0000
Research & Development	7.34381e+006	0.0000	0.0000	0.0000	0.0000
Single Family Housing	624842	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

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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	4.93569e+006	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	519289	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	1.95788e+006	0.0000	0.0000	0.0000	0.0000
General Office Building	2.17075e+007	0.0000	0.0000	0.0000	0.0000
Government (Civic Center)	912632	0.0000	0.0000	0.0000	0.0000
Government Office Building	707832	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	361207	0.0000	0.0000	0.0000	0.0000
Library	86188	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	248168	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	748134	0.0000	0.0000	0.0000	0.0000
Research & Development	7.34381e+006	0.0000	0.0000	0.0000	0.0000
Single Family Housing	624842	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

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

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	19.0489	0.1155	10.0104	5.3000e-004		0.0557	0.0557		0.0557	0.0557	0.0000	16.4336	16.4336	0.0157	0.0000	16.8271
Unmitigated	21.4998	0.1155	10.0104	5.3000e-004		0.0557	0.0557		0.0557	0.0557	0.0000	16.4336	16.4336	0.0157	0.0000	16.8271

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.7231					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	18.4753					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	0.3013	0.1155	10.0104	5.3000e-004		0.0557	0.0557		0.0557	0.0557	0.0000	16.4336	16.4336	0.0157	0.0000	16.8271
Total	21.4998	0.1155	10.0104	5.3000e-004		0.0557	0.0557		0.0557	0.0557	0.0000	16.4336	16.4336	0.0157	0.0000	16.8271

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

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	0.2723					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	18.4753					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	0.3013	0.1155	10.0104	5.3000e-004		0.0557	0.0557		0.0557	0.0557	0.0000	16.4336	16.4336	0.0157	0.0000	16.8271
Total	19.0489	0.1155	10.0104	5.3000e-004		0.0557	0.0557		0.0557	0.0557	0.0000	16.4336	16.4336	0.0157	0.0000	16.8271

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			

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

Mitigated	353.7249	1.2175	0.7692	613.3944
Unmitigated	353.7249	1.2175	0.7692	613.3944

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	82.7456 / 52.1657	29.2755	0.1008	0.0637	50.7667
City Park	0 / 35.7444	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive-Thru	5.49396 / 0.350678	1.9438	6.6900e-003	4.2300e-003	3.3707
General Heavy Industry	60.9367 / 0	21.5595	0.0742	0.0469	37.3863
General Office Building	320.445 / 196.402	113.3740	0.3902	0.2466	196.6018
Government (Civic Center)	15.0584 / 9.22934	5.3277	0.0183	0.0116	9.2387
Government Office Building	11.6792 / 7.15822	4.1321	0.0142	8.9900e-003	7.1655
High Turnover (Sit Down Restaurant)	3.82149 / 0.243925	1.3521	4.6500e-003	2.9400e-003	2.3446
Library	0.362951 / 0.567693	0.1284	4.4000e-004	2.8000e-004	0.2227
Quality Restaurant	2.62557 / 0.167589	0.9289	3.2000e-003	2.0200e-003	1.6109
Regional Shopping Center	5.41174 / 3.31687	1.9147	6.5900e-003	4.1600e-003	3.3203
Research & Development	485.99 / 0	171.9441	0.5918	0.3739	298.1683

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

Single Family Housing	5.21232 / 3.28603	1.8441	6.3500e-003	4.0100e-003	3.1979
Total		353.7249	1.2175	0.7692	613.3943

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	82.7456 / 52.1657	29.2755	0.1008	0.0637	50.7667
City Park	0 / 35.7444	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive-Thru	5.49396 / 0.350678	1.9438	6.6900e-003	4.2300e-003	3.3707
General Heavy Industry	60.9367 / 0	21.5595	0.0742	0.0469	37.3863
General Office Building	320.445 / 196.402	113.3740	0.3902	0.2466	196.6018
Government (Civic Center)	15.0584 / 9.22934	5.3277	0.0183	0.0116	9.2387
Government Office Building	11.6792 / 7.15822	4.1321	0.0142	8.9900e-003	7.1655
High Turnover (Sit Down Restaurant)	3.82149 / 0.243925	1.3521	4.6500e-003	2.9400e-003	2.3446
Library	0.362951 / 0.567693	0.1284	4.4000e-004	2.8000e-004	0.2227
Quality Restaurant	2.62557 / 0.167589	0.9289	3.2000e-003	2.0200e-003	1.6109
Regional Shopping Center	5.41174 / 3.31687	1.9147	6.5900e-003	4.1600e-003	3.3203
Research & Development	485.99 / 0	171.9441	0.5918	0.3739	298.1683

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

Single Family Housing	5.21232 / 3.28603	1.8441	6.3500e-003	4.0100e-003	3.1979
Total		353.7249	1.2175	0.7692	613.3943

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	751.4482	44.4093	0.0000	1,861.6811
Unmitigated	751.4482	44.4093	0.0000	1,861.6811

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	584.2	118.5873	7.0083	0.0000	293.7951

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

City Park	2.58	0.5237	0.0310	0.0000	1.2975
Fast Food Restaurant w/o Drive-Thru	208.49	42.3216	2.5011	0.0000	104.8499
General Heavy Industry	326.75	66.3273	3.9198	0.0000	164.3231
General Office Building	1676.74	340.3631	20.1149	0.0000	843.2351
Government (Civic Center)	432.06	87.7043	5.1832	0.0000	217.2836
Government Office Building	54.67	11.0975	0.6558	0.0000	27.4936
High Turnover (Sit Down Restaurant)	149.82	30.4121	1.7973	0.0000	75.3447
Library	10.68	2.1679	0.1281	0.0000	5.3710
Quality Restaurant	7.89	1.6016	0.0947	0.0000	3.9679
Regional Shopping Center	76.71	15.5714	0.9203	0.0000	38.5776
Research & Development	75.11	15.2467	0.9011	0.0000	37.7729
Single Family Housing	96.18	19.5237	1.1538	0.0000	48.3691
Total		751.4482	44.4093	0.0000	1,861.6811

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	584.2	118.5873	7.0083	0.0000	293.7951

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

City Park	2.58	0.5237	0.0310	0.0000	1.2975
Fast Food Restaurant w/o	208.49	42.3216	2.5011	0.0000	104.8499
General Heavy Industry	326.75	66.3273	3.9198	0.0000	164.3231
General Office Building	1676.74	340.3631	20.1149	0.0000	843.2351
Government (Civic Center)	432.06	87.7043	5.1832	0.0000	217.2836
Government Office Building	54.67	11.0975	0.6558	0.0000	27.4936
High Turnover (Sit Down Restaurant)	149.82	30.4121	1.7973	0.0000	75.3447
Library	10.68	2.1679	0.1281	0.0000	5.3710
Quality Restaurant	7.89	1.6016	0.0947	0.0000	3.9679
Regional Shopping Center	76.71	15.5714	0.9203	0.0000	38.5776
Research & Development	75.11	15.2467	0.9011	0.0000	37.7729
Single Family Housing	96.18	19.5237	1.1538	0.0000	48.3691
Total		751.4482	44.4093	0.0000	1,861.6811

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

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

Equipment Type	Number
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11.0 Vegetation

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

**22-111 Ravenswood SP Update Scenario 2
San Mateo County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	2,135.10	1000sqft	49.02	2,135,100.00	0
Government (Civic Center)	75.80	1000sqft	1.74	75,800.00	0
Government Office Building	58.79	1000sqft	1.35	58,790.00	0
Research & Development	1,167.25	1000sqft	26.80	1,167,250.00	0
Library	11.60	1000sqft	0.27	11,600.00	0
General Heavy Industry	333.51	1000sqft	7.66	333,510.00	0
City Park	30.00	Acre	30.00	1,306,800.00	0
Fast Food Restaurant w/o Drive Thru	18.10	1000sqft	0.42	18,100.00	0
High Turnover (Sit Down Restaurant)	12.59	1000sqft	0.29	12,590.00	0
Quality Restaurant	8.65	1000sqft	0.20	8,650.00	0
Apartments Mid Rise	1,520.00	Dwelling Unit	40.00	1,520,000.00	4347
Single Family Housing	80.00	Dwelling Unit	25.97	144,000.00	229
Regional Shopping Center	73.06	1000sqft	1.68	73,060.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	70
Climate Zone	5			Operational Year	2040
Utility Company	Peninsula Clean Energy				
CO2 Intensity (lb/MW hr)	0	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

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

Project Characteristics -

Vehicle Trips - 0 mile trip lengths to capture idle emissions.

Vehicle Emission Factors - Emission factors from EMFAC2021

Woodstoves - No hearths/fireplaces

Energy Use - Defaults

Water And Wastewater - 100% aerobic

Area Mitigation - Assume super compliant paint as mitigation.

Fleet Mix - Fleet mix from EMFAC2021

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	150	15
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	10
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	150	15
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	150	15
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	100	10
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
tblFireplaces	NumberGas	228.00	0.00
tblFireplaces	NumberGas	20.00	0.00
tblFireplaces	NumberNoFireplace	60.80	0.00
tblFireplaces	NumberNoFireplace	6.40	0.00
tblFireplaces	NumberWood	258.40	0.00
tblFireplaces	NumberWood	34.40	0.00
tblFleetMix	HHD	1.4790e-003	8.4000e-003

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

tblFleetMix	HHD	1.4790e-003	8.4000e-003
tblFleetMix	HHD	1.4790e-003	8.4000e-003
tblFleetMix	HHD	1.4790e-003	8.4000e-003
tblFleetMix	HHD	1.4790e-003	8.4000e-003
tblFleetMix	HHD	1.4790e-003	8.4000e-003
tblFleetMix	HHD	1.4790e-003	8.4000e-003
tblFleetMix	HHD	1.4790e-003	8.4000e-003
tblFleetMix	HHD	1.4790e-003	8.4000e-003
tblFleetMix	HHD	1.4790e-003	8.4000e-003
tblFleetMix	HHD	1.4790e-003	8.4000e-003
tblFleetMix	HHD	1.4790e-003	8.4000e-003
tblFleetMix	HHD	1.4790e-003	8.4000e-003
tblFleetMix	HHD	1.4790e-003	8.4000e-003
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDA	0.41	0.36
tblFleetMix	LDT1	0.08	0.04
tblFleetMix	LDT1	0.08	0.04
tblFleetMix	LDT1	0.08	0.04
tblFleetMix	LDT1	0.08	0.04

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

tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	OBUS	1.2160e-003	4.6330e-003
tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	SBUS	4.5200e-004	4.9200e-004

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

tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	SBUS	4.5200e-004	4.9200e-004
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblFleetMix	UBUS	4.1800e-004	1.7830e-003
tblVehicleEF	HHD	0.04	0.14
tblVehicleEF	HHD	0.21	0.07
tblVehicleEF	HHD	3.0000e-006	0.00
tblVehicleEF	HHD	5.91	4.18
tblVehicleEF	HHD	1.13	0.86
tblVehicleEF	HHD	0.06	7.4700e-003

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

tblVehicleEF	HHD	795.07	568.19
tblVehicleEF	HHD	1,196.93	1,120.89
tblVehicleEF	HHD	0.43	0.08
tblVehicleEF	HHD	0.13	0.09
tblVehicleEF	HHD	0.20	0.18
tblVehicleEF	HHD	1.2300e-004	5.0000e-006
tblVehicleEF	HHD	4.96	2.57
tblVehicleEF	HHD	2.44	1.15
tblVehicleEF	HHD	2.37	2.19
tblVehicleEF	HHD	2.0090e-003	1.3500e-003
tblVehicleEF	HHD	0.06	0.09
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	5.0000e-006	1.0000e-006
tblVehicleEF	HHD	1.9220e-003	1.2850e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8040e-003	8.6510e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	5.0000e-006	1.0000e-006
tblVehicleEF	HHD	1.1000e-005	2.4800e-004
tblVehicleEF	HHD	5.6300e-004	3.7000e-005
tblVehicleEF	HHD	0.38	0.25
tblVehicleEF	HHD	8.0000e-006	0.00
tblVehicleEF	HHD	0.03	0.01
tblVehicleEF	HHD	2.5300e-004	4.7000e-004
tblVehicleEF	HHD	1.6000e-005	1.0000e-006
tblVehicleEF	HHD	6.9550e-003	4.6160e-003
tblVehicleEF	HHD	9.7380e-003	9.6340e-003
tblVehicleEF	HHD	4.0000e-006	1.0000e-006

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tblVehicleEF	HHD	1.1000e-005	2.4800e-004
tblVehicleEF	HHD	5.6300e-004	3.7000e-005
tblVehicleEF	HHD	0.45	0.41
tblVehicleEF	HHD	8.0000e-006	0.00
tblVehicleEF	HHD	0.24	0.09
tblVehicleEF	HHD	2.5300e-004	4.7000e-004
tblVehicleEF	HHD	1.8000e-005	1.0000e-006
tblVehicleEF	LDA	5.3300e-004	7.7400e-004
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.33	0.37
tblVehicleEF	LDA	1.43	1.56
tblVehicleEF	LDA	178.54	191.85
tblVehicleEF	LDA	36.90	48.45
tblVehicleEF	LDA	2.7360e-003	2.4700e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.11	0.14
tblVehicleEF	LDA	0.04	6.3930e-003
tblVehicleEF	LDA	5.1600e-004	4.6700e-004
tblVehicleEF	LDA	7.3100e-004	8.5000e-004
tblVehicleEF	LDA	0.02	2.2370e-003
tblVehicleEF	LDA	4.7500e-004	4.3000e-004
tblVehicleEF	LDA	6.7200e-004	7.8200e-004
tblVehicleEF	LDA	0.01	0.17
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.00
tblVehicleEF	LDA	1.5930e-003	2.4260e-003
tblVehicleEF	LDA	0.03	0.13
tblVehicleEF	LDA	0.07	0.12

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tblVehicleEF	LDA	1.7660e-003	1.8970e-003
tblVehicleEF	LDA	3.6500e-004	4.7900e-004
tblVehicleEF	LDA	0.01	0.17
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.00
tblVehicleEF	LDA	2.3110e-003	3.5400e-003
tblVehicleEF	LDA	0.03	0.13
tblVehicleEF	LDA	0.08	0.14
tblVehicleEF	LDT1	6.2700e-004	1.0490e-003
tblVehicleEF	LDT1	0.02	0.04
tblVehicleEF	LDT1	0.35	0.46
tblVehicleEF	LDT1	1.53	1.82
tblVehicleEF	LDT1	213.59	250.13
tblVehicleEF	LDT1	44.47	62.08
tblVehicleEF	LDT1	2.7360e-003	3.0530e-003
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.12	0.18
tblVehicleEF	LDT1	0.04	8.0580e-003
tblVehicleEF	LDT1	5.8400e-004	5.7500e-004
tblVehicleEF	LDT1	8.3600e-004	1.0080e-003
tblVehicleEF	LDT1	0.02	2.8200e-003
tblVehicleEF	LDT1	5.3700e-004	5.2900e-004
tblVehicleEF	LDT1	7.6800e-004	9.2700e-004
tblVehicleEF	LDT1	0.02	0.24
tblVehicleEF	LDT1	0.04	0.05
tblVehicleEF	LDT1	0.02	0.00
tblVehicleEF	LDT1	1.9050e-003	3.4840e-003
tblVehicleEF	LDT1	0.04	0.18

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tblVehicleEF	LDT1	0.08	0.15
tblVehicleEF	LDT1	2.1140e-003	2.4730e-003
tblVehicleEF	LDT1	4.4000e-004	6.1400e-004
tblVehicleEF	LDT1	0.02	0.24
tblVehicleEF	LDT1	0.04	0.05
tblVehicleEF	LDT1	0.02	0.00
tblVehicleEF	LDT1	2.7800e-003	5.0840e-003
tblVehicleEF	LDT1	0.04	0.18
tblVehicleEF	LDT1	0.08	0.16
tblVehicleEF	LDT2	8.1000e-004	1.1870e-003
tblVehicleEF	LDT2	0.02	0.04
tblVehicleEF	LDT2	0.40	0.49
tblVehicleEF	LDT2	1.92	2.11
tblVehicleEF	LDT2	213.70	258.89
tblVehicleEF	LDT2	44.48	64.13
tblVehicleEF	LDT2	2.9600e-003	3.1860e-003
tblVehicleEF	LDT2	0.02	0.03
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.12	0.20
tblVehicleEF	LDT2	0.04	7.9860e-003
tblVehicleEF	LDT2	5.9700e-004	5.5100e-004
tblVehicleEF	LDT2	7.7900e-004	9.1800e-004
tblVehicleEF	LDT2	0.02	2.7950e-003
tblVehicleEF	LDT2	5.5100e-004	5.0700e-004
tblVehicleEF	LDT2	7.1600e-004	8.4400e-004
tblVehicleEF	LDT2	0.02	0.18
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.03	0.00
tblVehicleEF	LDT2	2.6610e-003	3.9270e-003

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tblVehicleEF	LDT2	0.04	0.14
tblVehicleEF	LDT2	0.10	0.17
tblVehicleEF	LDT2	2.1140e-003	2.5590e-003
tblVehicleEF	LDT2	4.4000e-004	6.3400e-004
tblVehicleEF	LDT2	0.02	0.18
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.03	0.00
tblVehicleEF	LDT2	3.8430e-003	5.7160e-003
tblVehicleEF	LDT2	0.04	0.14
tblVehicleEF	LDT2	0.11	0.18
tblVehicleEF	LHD1	3.2880e-003	2.5710e-003
tblVehicleEF	LHD1	3.8290e-003	1.3980e-003
tblVehicleEF	LHD1	5.3230e-003	8.7860e-003
tblVehicleEF	LHD1	0.17	0.13
tblVehicleEF	LHD1	0.36	0.28
tblVehicleEF	LHD1	0.77	1.52
tblVehicleEF	LHD1	7.53	5.41
tblVehicleEF	LHD1	634.61	435.86
tblVehicleEF	LHD1	8.69	11.02
tblVehicleEF	LHD1	6.8700e-004	3.9800e-004
tblVehicleEF	LHD1	0.04	0.02
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	0.07	0.07
tblVehicleEF	LHD1	0.16	0.18
tblVehicleEF	LHD1	9.8700e-004	5.0100e-004
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	9.9810e-003	8.9410e-003
tblVehicleEF	LHD1	4.9160e-003	4.7470e-003

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tblVehicleEF	LHD1	1.8100e-004	5.2000e-005
tblVehicleEF	LHD1	9.4400e-004	4.7900e-004
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	2.4950e-003	2.2350e-003
tblVehicleEF	LHD1	4.6620e-003	4.5230e-003
tblVehicleEF	LHD1	1.6600e-004	4.8000e-005
tblVehicleEF	LHD1	7.2000e-004	0.05
tblVehicleEF	LHD1	0.03	8.5800e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	5.5600e-004	0.00
tblVehicleEF	LHD1	0.06	0.02
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.02	0.04
tblVehicleEF	LHD1	7.3000e-005	5.3000e-005
tblVehicleEF	LHD1	6.1830e-003	4.2510e-003
tblVehicleEF	LHD1	8.6000e-005	1.0900e-004
tblVehicleEF	LHD1	7.2000e-004	0.05
tblVehicleEF	LHD1	0.03	8.5800e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	5.5600e-004	0.00
tblVehicleEF	LHD1	0.07	0.03
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.03	0.04
tblVehicleEF	LHD2	2.0450e-003	1.8110e-003
tblVehicleEF	LHD2	4.7190e-003	2.2930e-003
tblVehicleEF	LHD2	2.8720e-003	5.3560e-003
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.46	0.22
tblVehicleEF	LHD2	0.44	1.08

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tblVehicleEF	LHD2	11.85	12.71
tblVehicleEF	LHD2	622.15	466.43
tblVehicleEF	LHD2	5.67	7.53
tblVehicleEF	LHD2	1.5290e-003	1.6210e-003
tblVehicleEF	LHD2	0.06	0.05
tblVehicleEF	LHD2	8.4020e-003	0.01
tblVehicleEF	LHD2	0.05	0.05
tblVehicleEF	LHD2	0.10	0.14
tblVehicleEF	LHD2	0.09	0.11
tblVehicleEF	LHD2	1.5010e-003	1.4830e-003
tblVehicleEF	LHD2	0.09	0.07
tblVehicleEF	LHD2	0.01	9.7930e-003
tblVehicleEF	LHD2	0.01	9.6290e-003
tblVehicleEF	LHD2	1.0200e-004	3.3000e-005
tblVehicleEF	LHD2	1.4360e-003	1.4190e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.7180e-003	2.4480e-003
tblVehicleEF	LHD2	0.01	9.2040e-003
tblVehicleEF	LHD2	9.4000e-005	3.0000e-005
tblVehicleEF	LHD2	3.8500e-004	0.04
tblVehicleEF	LHD2	0.01	5.9130e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.0000e-004	0.00
tblVehicleEF	LHD2	0.09	0.05
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.1300e-004	1.2100e-004
tblVehicleEF	LHD2	5.9990e-003	4.4820e-003
tblVehicleEF	LHD2	5.6000e-005	7.4000e-005

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tblVehicleEF	LHD2	3.8500e-004	0.04
tblVehicleEF	LHD2	0.01	5.9130e-003
tblVehicleEF	LHD2	0.02	0.01
tblVehicleEF	LHD2	3.0000e-004	0.00
tblVehicleEF	LHD2	0.11	0.05
tblVehicleEF	LHD2	0.04	0.05
tblVehicleEF	LHD2	0.01	0.03
tblVehicleEF	MCY	0.32	0.13
tblVehicleEF	MCY	0.25	0.13
tblVehicleEF	MCY	17.43	9.36
tblVehicleEF	MCY	9.50	7.65
tblVehicleEF	MCY	212.46	185.35
tblVehicleEF	MCY	57.97	35.89
tblVehicleEF	MCY	0.07	0.03
tblVehicleEF	MCY	0.02	4.3090e-003
tblVehicleEF	MCY	1.14	0.46
tblVehicleEF	MCY	0.27	0.06
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	2.2680e-003	2.1450e-003
tblVehicleEF	MCY	3.0590e-003	3.7310e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	2.1140e-003	2.0000e-003
tblVehicleEF	MCY	2.8530e-003	3.4800e-003
tblVehicleEF	MCY	0.66	2.41
tblVehicleEF	MCY	0.55	3.53
tblVehicleEF	MCY	0.40	0.00
tblVehicleEF	MCY	2.12	0.75
tblVehicleEF	MCY	0.40	3.66
tblVehicleEF	MCY	1.86	0.89

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tblVehicleEF	MCY	2.1020e-003	1.8320e-003
tblVehicleEF	MCY	5.7400e-004	3.5500e-004
tblVehicleEF	MCY	0.66	0.06
tblVehicleEF	MCY	0.55	3.53
tblVehicleEF	MCY	0.40	0.00
tblVehicleEF	MCY	2.66	0.94
tblVehicleEF	MCY	0.40	3.66
tblVehicleEF	MCY	2.03	0.96
tblVehicleEF	MDV	7.9300e-004	1.1910e-003
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.39	0.49
tblVehicleEF	MDV	1.90	2.09
tblVehicleEF	MDV	258.05	308.01
tblVehicleEF	MDV	52.47	75.95
tblVehicleEF	MDV	4.0370e-003	3.5510e-003
tblVehicleEF	MDV	0.02	0.03
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.13	0.21
tblVehicleEF	MDV	0.04	8.0170e-003
tblVehicleEF	MDV	5.7800e-004	5.3800e-004
tblVehicleEF	MDV	7.8400e-004	9.2200e-004
tblVehicleEF	MDV	0.02	2.8060e-003
tblVehicleEF	MDV	5.3300e-004	4.9500e-004
tblVehicleEF	MDV	7.2100e-004	8.4700e-004
tblVehicleEF	MDV	0.03	0.19
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.04	0.00
tblVehicleEF	MDV	2.6200e-003	3.9590e-003
tblVehicleEF	MDV	0.04	0.15

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tblVehicleEF	MDV	0.10	0.17
tblVehicleEF	MDV	2.5500e-003	3.0440e-003
tblVehicleEF	MDV	5.1900e-004	7.5100e-004
tblVehicleEF	MDV	0.03	0.19
tblVehicleEF	MDV	0.06	0.04
tblVehicleEF	MDV	0.04	0.00
tblVehicleEF	MDV	3.7760e-003	5.7640e-003
tblVehicleEF	MDV	0.04	0.15
tblVehicleEF	MDV	0.11	0.19
tblVehicleEF	MH	3.6920e-003	3.9290e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	0.18	0.18
tblVehicleEF	MH	1.50	1.65
tblVehicleEF	MH	1,238.57	1,647.57
tblVehicleEF	MH	13.88	19.01
tblVehicleEF	MH	0.05	0.07
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	0.80	0.92
tblVehicleEF	MH	0.21	0.23
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.7280e-003	7.8210e-003
tblVehicleEF	MH	2.1900e-004	2.3900e-004
tblVehicleEF	MH	0.06	0.02
tblVehicleEF	MH	3.2980e-003	3.3470e-003
tblVehicleEF	MH	6.4000e-003	7.4470e-003
tblVehicleEF	MH	2.0200e-004	2.2000e-004
tblVehicleEF	MH	0.16	7.30
tblVehicleEF	MH	0.01	1.36

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tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	2.1570e-003	0.04
tblVehicleEF	MH	0.07	0.07
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	1.3700e-004	1.8800e-004
tblVehicleEF	MH	0.16	7.30
tblVehicleEF	MH	0.01	1.36
tblVehicleEF	MH	0.09	0.00
tblVehicleEF	MH	0.04	0.04
tblVehicleEF	MH	2.1570e-003	0.04
tblVehicleEF	MH	0.07	0.08
tblVehicleEF	MHD	3.9150e-003	0.01
tblVehicleEF	MHD	7.7500e-004	7.2000e-003
tblVehicleEF	MHD	8.4570e-003	6.4510e-003
tblVehicleEF	MHD	0.38	0.44
tblVehicleEF	MHD	0.12	0.07
tblVehicleEF	MHD	0.79	0.61
tblVehicleEF	MHD	48.34	82.32
tblVehicleEF	MHD	878.88	681.64
tblVehicleEF	MHD	8.10	6.46
tblVehicleEF	MHD	6.7790e-003	0.01
tblVehicleEF	MHD	0.11	0.08
tblVehicleEF	MHD	8.4300e-003	4.8760e-003
tblVehicleEF	MHD	0.25	0.29
tblVehicleEF	MHD	1.32	0.21
tblVehicleEF	MHD	1.67	0.64
tblVehicleEF	MHD	6.7000e-005	1.4500e-004
tblVehicleEF	MHD	0.13	0.04

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tblVehicleEF	MHD	6.4260e-003	1.8800e-003
tblVehicleEF	MHD	1.1700e-004	8.7000e-005
tblVehicleEF	MHD	6.5000e-005	1.3800e-004
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	6.1420e-003	1.7920e-003
tblVehicleEF	MHD	1.0800e-004	8.0000e-005
tblVehicleEF	MHD	2.2900e-004	0.01
tblVehicleEF	MHD	0.01	2.1090e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.7800e-004	0.00
tblVehicleEF	MHD	9.7870e-003	5.1800e-003
tblVehicleEF	MHD	0.01	0.03
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	4.5900e-004	7.4800e-004
tblVehicleEF	MHD	8.3840e-003	6.4520e-003
tblVehicleEF	MHD	8.0000e-005	6.4000e-005
tblVehicleEF	MHD	2.2900e-004	0.01
tblVehicleEF	MHD	0.01	2.1090e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.7800e-004	0.00
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.01	0.03
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	OBUS	6.9130e-003	6.9360e-003
tblVehicleEF	OBUS	1.4100e-003	0.01
tblVehicleEF	OBUS	0.01	5.6630e-003
tblVehicleEF	OBUS	0.66	0.47
tblVehicleEF	OBUS	0.18	0.14
tblVehicleEF	OBUS	1.30	0.56

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tblVehicleEF	OBUS	92.47	78.56
tblVehicleEF	OBUS	1,103.58	1,061.89
tblVehicleEF	OBUS	11.53	5.18
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.12	0.15
tblVehicleEF	OBUS	0.01	4.3310e-003
tblVehicleEF	OBUS	0.46	0.23
tblVehicleEF	OBUS	1.48	0.50
tblVehicleEF	OBUS	1.18	0.76
tblVehicleEF	OBUS	1.5000e-004	1.4900e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	8.0440e-003	5.6120e-003
tblVehicleEF	OBUS	1.6400e-004	6.2000e-005
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	7.6820e-003	5.3650e-003
tblVehicleEF	OBUS	1.5100e-004	5.7000e-005
tblVehicleEF	OBUS	7.6900e-004	0.03
tblVehicleEF	OBUS	0.01	4.7320e-003
tblVehicleEF	OBUS	0.05	0.03
tblVehicleEF	OBUS	4.4500e-004	0.00
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	0.07	0.03
tblVehicleEF	OBUS	8.7700e-004	7.3300e-004
tblVehicleEF	OBUS	0.01	9.9780e-003
tblVehicleEF	OBUS	1.1400e-004	5.1000e-005
tblVehicleEF	OBUS	7.6900e-004	0.03
tblVehicleEF	OBUS	0.01	4.7320e-003
tblVehicleEF	OBUS	0.06	0.04

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tblVehicleEF	OBUS	4.4500e-004	0.00
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.03
tblVehicleEF	OBUS	0.07	0.03
tblVehicleEF	SBUS	0.24	0.11
tblVehicleEF	SBUS	2.2250e-003	0.05
tblVehicleEF	SBUS	0.02	7.4360e-003
tblVehicleEF	SBUS	8.79	2.74
tblVehicleEF	SBUS	0.18	0.24
tblVehicleEF	SBUS	2.83	0.97
tblVehicleEF	SBUS	370.78	158.01
tblVehicleEF	SBUS	765.30	592.96
tblVehicleEF	SBUS	16.02	5.84
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	0.05	0.05
tblVehicleEF	SBUS	0.02	6.0600e-003
tblVehicleEF	SBUS	1.00	0.38
tblVehicleEF	SBUS	0.61	0.24
tblVehicleEF	SBUS	1.37	0.46
tblVehicleEF	SBUS	2.3900e-004	1.5500e-004
tblVehicleEF	SBUS	0.74	0.04
tblVehicleEF	SBUS	9.1990e-003	9.6300e-003
tblVehicleEF	SBUS	4.3280e-003	1.9510e-003
tblVehicleEF	SBUS	2.9400e-004	9.8000e-005
tblVehicleEF	SBUS	2.2800e-004	1.4600e-004
tblVehicleEF	SBUS	0.32	0.01
tblVehicleEF	SBUS	2.3000e-003	2.4080e-003
tblVehicleEF	SBUS	4.0980e-003	1.8460e-003
tblVehicleEF	SBUS	2.7100e-004	9.0000e-005

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tblVehicleEF	SBUS	2.4850e-003	0.07
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.08	0.32
tblVehicleEF	SBUS	1.4400e-003	0.00
tblVehicleEF	SBUS	0.02	8.8330e-003
tblVehicleEF	SBUS	0.03	0.05
tblVehicleEF	SBUS	0.12	0.04
tblVehicleEF	SBUS	3.6000e-003	1.4240e-003
tblVehicleEF	SBUS	7.4530e-003	5.5490e-003
tblVehicleEF	SBUS	1.5900e-004	5.8000e-005
tblVehicleEF	SBUS	2.4850e-003	0.07
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.57	0.50
tblVehicleEF	SBUS	1.4400e-003	0.00
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.03	0.05
tblVehicleEF	SBUS	0.13	0.05
tblVehicleEF	UBUS	1.75	0.10
tblVehicleEF	UBUS	0.01	3.6530e-003
tblVehicleEF	UBUS	13.25	1.23
tblVehicleEF	UBUS	0.82	0.81
tblVehicleEF	UBUS	1,615.08	197.83
tblVehicleEF	UBUS	7.48	4.66
tblVehicleEF	UBUS	0.27	0.02
tblVehicleEF	UBUS	7.2400e-003	6.4160e-003
tblVehicleEF	UBUS	0.68	0.03
tblVehicleEF	UBUS	0.10	0.04
tblVehicleEF	UBUS	0.08	1.85
tblVehicleEF	UBUS	0.03	1.05

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tblVehicleTrips	CC_TL	7.30	0.00
tblVehicleTrips	CC_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	CW_TL	9.50	0.00
tblVehicleTrips	HO_TL	5.70	0.00
tblVehicleTrips	HO_TL	5.70	0.00
tblVehicleTrips	HS_TL	4.80	0.00
tblVehicleTrips	HS_TL	4.80	0.00
tblVehicleTrips	HW_TL	10.80	0.00

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

tblVehicleTrips	HW_TL	10.80	0.00
tblVehicleTrips	ST_TR	4.91	2.46
tblVehicleTrips	ST_TR	1.96	1.16
tblVehicleTrips	ST_TR	696.00	400.49
tblVehicleTrips	ST_TR	6.42	6.41
tblVehicleTrips	ST_TR	2.21	1.48
tblVehicleTrips	ST_TR	122.40	70.20
tblVehicleTrips	ST_TR	80.09	48.07
tblVehicleTrips	ST_TR	90.04	54.08
tblVehicleTrips	ST_TR	46.12	54.47
tblVehicleTrips	ST_TR	1.90	1.12
tblVehicleTrips	ST_TR	9.54	5.71
tblVehicleTrips	SU_TR	4.09	2.05
tblVehicleTrips	SU_TR	2.19	1.29
tblVehicleTrips	SU_TR	500.00	287.71
tblVehicleTrips	SU_TR	5.09	5.08
tblVehicleTrips	SU_TR	0.70	0.47
tblVehicleTrips	SU_TR	142.64	81.81
tblVehicleTrips	SU_TR	42.09	25.26
tblVehicleTrips	SU_TR	71.97	43.23
tblVehicleTrips	SU_TR	21.10	24.92
tblVehicleTrips	SU_TR	1.11	0.66
tblVehicleTrips	SU_TR	8.55	5.12
tblVehicleTrips	WD_TR	5.44	2.72
tblVehicleTrips	WD_TR	0.78	0.46
tblVehicleTrips	WD_TR	346.23	199.23
tblVehicleTrips	WD_TR	9.74	6.50
tblVehicleTrips	WD_TR	33.98	17.30
tblVehicleTrips	WD_TR	22.59	13.55

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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
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
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	30.40	0.00
tblWoodstoves	NumberCatalytic	3.20	0.00
tblWoodstoves	NumberNoncatalytic	30.40	0.00
tblWoodstoves	NumberNoncatalytic	3.20	0.00
tblWoodstoves	WoodstoveDayYear	14.12	0.00
tblWoodstoves	WoodstoveDayYear	21.06	0.00
tblWoodstoves	WoodstoveWoodMass	582.40	0.00
tblWoodstoves	WoodstoveWoodMass	956.80	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.3111	2.9329	2.5767	5.1900e-003	0.6717	0.1342	0.8059	0.3225	0.1244	0.4468	0.0000	455.3273	455.3273	0.1289	2.8000e-004	458.6349
2025	0.3712	3.5709	3.2359	7.5600e-003	1.7438	0.1464	1.8902	0.6929	0.1347	0.8276	0.0000	664.2559	664.2559	0.2106	3.3000e-004	669.6198
2026	0.7663	6.2814	7.7161	0.0341	3.1311	0.1277	3.2587	0.8585	0.1190	0.9775	0.0000	3,267.5128	3,267.5128	0.2721	0.2619	3,352.3576
2027	1.0031	7.9982	10.3993	0.0509	3.9105	0.1128	4.0233	1.0608	0.1063	1.1672	0.0000	4,923.6330	4,923.6330	0.3009	0.4335	5,060.3251
2028	0.9722	7.8767	10.1476	0.0496	3.8957	0.1113	4.0069	1.0568	0.1050	1.1618	0.0000	4,803.8461	4,803.8461	0.3003	0.4223	4,937.1988
2029	0.9485	7.7968	9.9994	0.0488	3.9107	0.1106	4.0214	1.0609	0.1043	1.1652	0.0000	4,722.5250	4,722.5250	0.3023	0.4140	4,853.4639
2030	0.9174	7.1245	9.8598	0.0483	3.9108	0.0601	3.9709	1.0609	0.0580	1.1189	0.0000	4,676.2816	4,676.2816	0.2456	0.4057	4,803.3174
2031	0.8945	7.0629	9.7313	0.0475	3.9109	0.0593	3.9702	1.0610	0.0573	1.1182	0.0000	4,599.1981	4,599.1981	0.2461	0.3983	4,724.0329
2032	0.8771	7.0350	9.6602	0.0470	3.9260	0.0588	3.9848	1.0651	0.0568	1.1218	0.0000	4,548.1031	4,548.1031	0.2476	0.3932	4,671.4744
2033	0.8520	6.9323	9.4955	0.0460	3.8960	0.0577	3.9537	1.0570	0.0557	1.1126	0.0000	4,451.7955	4,451.7955	0.2461	0.3843	4,572.4756
2034	0.8354	6.8904	9.4143	0.0454	3.8961	0.0570	3.9531	1.0570	0.0551	1.1121	0.0000	4,396.7151	4,396.7151	0.2465	0.3790	4,515.8312
2035	0.8109	6.7750	9.3748	0.0450	3.9112	0.0492	3.9603	1.0611	0.0473	1.1083	0.0000	4,363.7182	4,363.7182	0.2465	0.3757	4,481.8319
2036	0.8140	6.8010	9.4107	0.0452	3.9261	0.0494	3.9755	1.0651	0.0475	1.1126	0.0000	4,380.4374	4,380.4374	0.2475	0.3771	4,499.0037
2037	0.8109	6.7750	9.3748	0.0450	3.9112	0.0492	3.9603	1.0611	0.0473	1.1083	0.0000	4,363.7182	4,363.7182	0.2465	0.3757	4,481.8319
2038	0.3436	2.4248	4.2108	0.0158	1.1498	0.0317	1.1815	0.3119	0.0311	0.3430	0.0000	1,499.8487	1,499.8487	0.0805	0.1095	1,534.4993
2039	32.1437	0.2138	1.3023	4.0300e-003	0.5139	5.5800e-003	0.5194	0.1367	5.4900e-003	0.1422	0.0000	365.0790	365.0790	6.8800e-003	6.4100e-003	367.1600
Maximum	32.1437	7.9982	10.3993	0.0509	3.9261	0.1464	4.0233	1.0651	0.1347	1.1672	0.0000	4,923.6330	4,923.6330	0.3023	0.4335	5,060.3251

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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	0.3111	2.9329	2.5766	5.1900e-003	0.6717	0.1342	0.8059	0.3225	0.1244	0.4468	0.0000	455.3268	455.3268	0.1289	2.8000e-004	458.6344
2025	0.3712	3.5709	3.2359	7.5600e-003	1.7438	0.1464	1.8902	0.6929	0.1347	0.8276	0.0000	664.2552	664.2552	0.2106	3.3000e-004	669.6191
2026	0.7663	6.2814	7.7161	0.0341	3.1311	0.1277	3.2587	0.8585	0.1190	0.9775	0.0000	3,267.5122	3,267.5122	0.2721	0.2619	3,352.3571
2027	1.0031	7.9982	10.3993	0.0509	3.9105	0.1128	4.0233	1.0608	0.1063	1.1672	0.0000	4,923.6326	4,923.6326	0.3009	0.4335	5,060.3247
2028	0.9722	7.8767	10.1476	0.0496	3.8957	0.1113	4.0069	1.0568	0.1050	1.1618	0.0000	4,803.8457	4,803.8457	0.3003	0.4223	4,937.1984
2029	0.9485	7.7968	9.9993	0.0488	3.9107	0.1106	4.0214	1.0609	0.1043	1.1652	0.0000	4,722.5247	4,722.5247	0.3023	0.4140	4,853.4635
2030	0.9174	7.1245	9.8598	0.0483	3.9108	0.0601	3.9709	1.0609	0.0580	1.1189	0.0000	4,676.2812	4,676.2812	0.2456	0.4057	4,803.3170
2031	0.8945	7.0629	9.7313	0.0475	3.9109	0.0593	3.9702	1.0610	0.0573	1.1182	0.0000	4,599.1977	4,599.1977	0.2461	0.3983	4,724.0325
2032	0.8771	7.0350	9.6602	0.0470	3.9260	0.0588	3.9848	1.0651	0.0568	1.1218	0.0000	4,548.1027	4,548.1027	0.2476	0.3932	4,671.4740
2033	0.8520	6.9323	9.4955	0.0460	3.8960	0.0577	3.9537	1.0570	0.0557	1.1126	0.0000	4,451.7951	4,451.7951	0.2461	0.3843	4,572.4752
2034	0.8354	6.8904	9.4143	0.0454	3.8961	0.0570	3.9531	1.0570	0.0551	1.1121	0.0000	4,396.7146	4,396.7146	0.2465	0.3790	4,515.8308
2035	0.8109	6.7750	9.3748	0.0450	3.9112	0.0492	3.9603	1.0611	0.0473	1.1083	0.0000	4,363.7177	4,363.7177	0.2465	0.3757	4,481.8315
2036	0.8140	6.8010	9.4107	0.0452	3.9261	0.0494	3.9755	1.0651	0.0475	1.1126	0.0000	4,380.4370	4,380.4370	0.2475	0.3771	4,499.0032
2037	0.8109	6.7750	9.3748	0.0450	3.9112	0.0492	3.9603	1.0611	0.0473	1.1083	0.0000	4,363.7177	4,363.7177	0.2465	0.3757	4,481.8315
2038	0.3436	2.4248	4.2108	0.0158	1.1498	0.0317	1.1815	0.3119	0.0311	0.3430	0.0000	1,499.8483	1,499.8483	0.0805	0.1095	1,534.4989

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2039	32.1437	0.2138	1.3023	4.0300e-003	0.5139	5.5800e-003	0.5194	0.1367	5.4900e-003	0.1422	0.0000	365.0789	365.0789	6.8800e-003	6.4100e-003	367.1599
Maximum	32.1437	7.9982	10.3993	0.0509	3.9261	0.1464	4.0233	1.0651	0.1347	1.1672	0.0000	4,923.6326	4,923.6326	0.3023	0.4335	5,060.3247

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2024	3-31-2024	0.7532	0.7532
2	4-1-2024	6-30-2024	0.7530	0.7530
3	7-1-2024	9-30-2024	0.7613	0.7613
4	10-1-2024	12-31-2024	0.9729	0.9729
5	1-1-2025	3-31-2025	0.9038	0.9038
6	4-1-2025	6-30-2025	1.0044	1.0044
7	7-1-2025	9-30-2025	1.0154	1.0154
8	10-1-2025	12-31-2025	1.0157	1.0157
9	1-1-2026	3-31-2026	0.9935	0.9935
10	4-1-2026	6-30-2026	1.4300	1.4300
11	7-1-2026	9-30-2026	2.2392	2.2392
12	10-1-2026	12-31-2026	2.3590	2.3590
13	1-1-2027	3-31-2027	2.2721	2.2721
14	4-1-2027	6-30-2027	2.1808	2.1808
15	7-1-2027	9-30-2027	2.2047	2.2047
16	10-1-2027	12-31-2027	2.3225	2.3225
17	1-1-2028	3-31-2028	2.2670	2.2670
18	4-1-2028	6-30-2028	2.1521	2.1521
19	7-1-2028	9-30-2028	2.1758	2.1758

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20	10-1-2028	12-31-2028	2.2919	2.2919
21	1-1-2029	3-31-2029	2.2072	2.2072
22	4-1-2029	6-30-2029	2.1188	2.1188
23	7-1-2029	9-30-2029	2.1420	2.1420
24	10-1-2029	12-31-2029	2.2563	2.2563
25	1-1-2030	3-31-2030	2.0333	2.0333
26	4-1-2030	6-30-2030	1.9442	1.9442
27	7-1-2030	9-30-2030	1.9656	1.9656
28	10-1-2030	12-31-2030	2.0785	2.0785
29	1-1-2031	3-31-2031	2.0119	2.0119
30	4-1-2031	6-30-2031	1.9236	1.9236
31	7-1-2031	9-30-2031	1.9447	1.9447
32	10-1-2031	12-31-2031	2.0566	2.0566
33	1-1-2032	3-31-2032	2.0150	2.0150
34	4-1-2032	6-30-2032	1.9051	1.9051
35	7-1-2032	9-30-2032	1.9260	1.9260
36	10-1-2032	12-31-2032	2.0371	2.0371
37	1-1-2033	3-31-2033	1.9758	1.9758
38	4-1-2033	6-30-2033	1.8885	1.8885
39	7-1-2033	9-30-2033	1.9093	1.9093
40	10-1-2033	12-31-2033	2.0197	2.0197
41	1-1-2034	3-31-2034	1.9610	1.9610
42	4-1-2034	6-30-2034	1.8741	1.8741
43	7-1-2034	9-30-2034	1.8947	1.8947
44	10-1-2034	12-31-2034	2.0046	2.0046
45	1-1-2035	3-31-2035	1.9189	1.9189
46	4-1-2035	6-30-2035	1.8320	1.8320
47	7-1-2035	9-30-2035	1.8522	1.8522
48	10-1-2035	12-31-2035	1.9615	1.9615

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49	1-1-2036	3-31-2036	1.9402	1.9402
50	4-1-2036	6-30-2036	1.8320	1.8320
51	7-1-2036	9-30-2036	1.8522	1.8522
52	10-1-2036	12-31-2036	1.9615	1.9615
53	1-1-2037	3-31-2037	1.9189	1.9189
54	4-1-2037	6-30-2037	1.8320	1.8320
55	7-1-2037	9-30-2037	1.8522	1.8522
56	10-1-2037	12-31-2037	1.9615	1.9615
57	1-1-2038	3-31-2038	1.9189	1.9189
58	4-1-2038	6-30-2038	0.4841	0.4841
59	7-1-2038	9-30-2038	0.1987	0.1987
60	10-1-2038	12-31-2038	0.1988	0.1988
61	1-1-2039	3-31-2039	4.4012	4.4012
62	4-1-2039	6-30-2039	9.5269	9.5269
63	7-1-2039	9-30-2039	9.6316	9.6316
		Highest	9.6316	9.6316

**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	25.2799	0.1369	11.8638	6.3000e-004		0.0660	0.0660		0.0660	0.0660	0.0000	19.4762	19.4762	0.0187	0.0000	19.9425
Energy	0.5579	5.0251	3.9170	0.0304		0.3855	0.3855		0.3855	0.3855	0.0000	5,521.4095	5,521.4095	0.1058	0.1012	5,554.2204
Mobile	7.0580	3.0736	25.0832	8.3700e-003	0.0311	0.0119	0.0430	7.8000e-003	0.0110	0.0188	0.0000	779.8504	779.8504	0.4272	0.2931	877.8795

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

Waste						0.0000	0.0000		0.0000	0.0000	857.8743	0.0000	857.8743	50.6989	0.0000	2,125.3473
Water						0.0000	0.0000		0.0000	0.0000	417.2145	0.0000	417.2145	1.4360	0.9073	723.4917
Total	32.8958	8.2355	40.8641	0.0394	0.0311	0.4634	0.4945	7.8000e-003	0.4624	0.4702	1,275.0888	6,320.7361	7,595.8249	52.6866	1.3017	9,300.8814

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	22.3981	0.1369	11.8638	6.3000e-004		0.0660	0.0660		0.0660	0.0660	0.0000	19.4762	19.4762	0.0187	0.0000	19.9425
Energy	0.5579	5.0251	3.9170	0.0304		0.3855	0.3855		0.3855	0.3855	0.0000	5,521.4095	5,521.4095	0.1058	0.1012	5,554.2204
Mobile	7.0580	3.0736	25.0832	8.3700e-003	0.0311	0.0119	0.0430	7.8000e-003	0.0110	0.0188	0.0000	779.8504	779.8504	0.4272	0.2931	877.8795
Waste						0.0000	0.0000		0.0000	0.0000	857.8743	0.0000	857.8743	50.6989	0.0000	2,125.3473
Water						0.0000	0.0000		0.0000	0.0000	417.2145	0.0000	417.2145	1.4360	0.9073	723.4917
Total	30.0139	8.2355	40.8641	0.0394	0.0311	0.4634	0.4945	7.8000e-003	0.4624	0.4702	1,275.0888	6,320.7361	7,595.8249	52.6866	1.3017	9,300.8814

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	8.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

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

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2024	10/4/2024	5	200	
2	Site Preparation	Site Preparation	10/5/2024	3/21/2025	5	120	
3	Grading	Grading	3/22/2025	5/29/2026	5	310	
4	Building Construction	Building Construction	5/30/2026	4/16/2038	5	3100	
5	Paving	Paving	4/17/2038	2/18/2039	5	220	
6	Architectural Coating	Architectural Coating	2/19/2039	12/23/2039	5	220	

Acres of Grading (Site Preparation Phase): 180

Acres of Grading (Grading Phase): 930

Acres of Paving: 0

Residential Indoor: 3,369,600; Residential Outdoor: 1,123,200; Non-Residential Indoor: 5,841,675; Non-Residential Outdoor: 1,947,225; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20

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Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	2,957.00	1,024.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	591.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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					
Off-Road	0.2244	2.0878	1.9707	3.8800e-003		0.0960	0.0960		0.0892	0.0892	0.0000	339.9605	339.9605	0.0951	0.0000	342.3384

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

Total	0.2244	2.0878	1.9707	3.8800e-003		0.0960	0.0960		0.0892	0.0892	0.0000	339.9605	339.9605	0.0951	0.0000	342.3384
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0600e-003	1.8900e-003	0.0273	9.0000e-005	0.0118	5.0000e-005	0.0119	3.1400e-003	5.0000e-005	3.1900e-003	0.0000	8.4912	8.4912	2.0000e-004	2.1000e-004	8.5576
Total	3.0600e-003	1.8900e-003	0.0273	9.0000e-005	0.0118	5.0000e-005	0.0119	3.1400e-003	5.0000e-005	3.1900e-003	0.0000	8.4912	8.4912	2.0000e-004	2.1000e-004	8.5576

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2244	2.0878	1.9707	3.8800e-003		0.0960	0.0960		0.0892	0.0892	0.0000	339.9601	339.9601	0.0951	0.0000	342.3380
Total	0.2244	2.0878	1.9707	3.8800e-003		0.0960	0.0960		0.0892	0.0892	0.0000	339.9601	339.9601	0.0951	0.0000	342.3380

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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	3.0600e-003	1.8900e-003	0.0273	9.0000e-005	0.0118	5.0000e-005	0.0119	3.1400e-003	5.0000e-005	3.1900e-003	0.0000	8.4912	8.4912	2.0000e-004	2.1000e-004	8.5576
Total	3.0600e-003	1.8900e-003	0.0273	9.0000e-005	0.0118	5.0000e-005	0.0119	3.1400e-003	5.0000e-005	3.1900e-003	0.0000	8.4912	8.4912	2.0000e-004	2.1000e-004	8.5576

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					0.6555	0.0000	0.6555	0.3182	0.0000	0.3182	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0825	0.8425	0.5684	1.1800e-003		0.0381	0.0381		0.0351	0.0351	0.0000	103.7169	103.7169	0.0335	0.0000	104.5555
Total	0.0825	0.8425	0.5684	1.1800e-003	0.6555	0.0381	0.6936	0.3182	0.0351	0.3532	0.0000	103.7169	103.7169	0.0335	0.0000	104.5555

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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	1.1400e-003	7.0000e-004	0.0102	3.0000e-005	4.3900e-003	2.0000e-005	4.4100e-003	1.1700e-003	2.0000e-005	1.1900e-003	0.0000	3.1587	3.1587	8.0000e-005	8.0000e-005	3.1834
Total	1.1400e-003	7.0000e-004	0.0102	3.0000e-005	4.3900e-003	2.0000e-005	4.4100e-003	1.1700e-003	2.0000e-005	1.1900e-003	0.0000	3.1587	3.1587	8.0000e-005	8.0000e-005	3.1834

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.6555	0.0000	0.6555	0.3182	0.0000	0.3182	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0825	0.8425	0.5684	1.1800e-003		0.0381	0.0381		0.0351	0.0351	0.0000	103.7168	103.7168	0.0335	0.0000	104.5554
Total	0.0825	0.8425	0.5684	1.1800e-003	0.6555	0.0381	0.6936	0.3182	0.0351	0.3532	0.0000	103.7168	103.7168	0.0335	0.0000	104.5554

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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	1.1400e-003	7.0000e-004	0.0102	3.0000e-005	4.3900e-003	2.0000e-005	4.4100e-003	1.1700e-003	2.0000e-005	1.1900e-003	0.0000	3.1587	3.1587	8.0000e-005	8.0000e-005	3.1834
Total	1.1400e-003	7.0000e-004	0.0102	3.0000e-005	4.3900e-003	2.0000e-005	4.4100e-003	1.1700e-003	2.0000e-005	1.1900e-003	0.0000	3.1587	3.1587	8.0000e-005	8.0000e-005	3.1834

3.3 Site Preparation - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.6194	0.0000	0.6194	0.2983	0.0000	0.2983	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0717	0.7318	0.5194	1.1000e-003		0.0315	0.0315		0.0290	0.0290	0.0000	97.0543	97.0543	0.0314	0.0000	97.8390
Total	0.0717	0.7318	0.5194	1.1000e-003	0.6194	0.0315	0.6509	0.2983	0.0290	0.3273	0.0000	97.0543	97.0543	0.0314	0.0000	97.8390

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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	1.0200e-003	6.0000e-004	8.9700e-003	3.0000e-005	4.1100e-003	2.0000e-005	4.1300e-003	1.0900e-003	2.0000e-005	1.1100e-003	0.0000	2.8562	2.8562	6.0000e-005	7.0000e-005	2.8779
Total	1.0200e-003	6.0000e-004	8.9700e-003	3.0000e-005	4.1100e-003	2.0000e-005	4.1300e-003	1.0900e-003	2.0000e-005	1.1100e-003	0.0000	2.8562	2.8562	6.0000e-005	7.0000e-005	2.8779

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.6194	0.0000	0.6194	0.2983	0.0000	0.2983	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0717	0.7318	0.5194	1.1000e-003		0.0315	0.0315		0.0290	0.0290	0.0000	97.0541	97.0541	0.0314	0.0000	97.8389
Total	0.0717	0.7318	0.5194	1.1000e-003	0.6194	0.0315	0.6509	0.2983	0.0290	0.3273	0.0000	97.0541	97.0541	0.0314	0.0000	97.8389

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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	1.0200e-003	6.0000e-004	8.9700e-003	3.0000e-005	4.1100e-003	2.0000e-005	4.1300e-003	1.0900e-003	2.0000e-005	1.1100e-003	0.0000	2.8562	2.8562	6.0000e-005	7.0000e-005	2.8779
Total	1.0200e-003	6.0000e-004	8.9700e-003	3.0000e-005	4.1100e-003	2.0000e-005	4.1300e-003	1.0900e-003	2.0000e-005	1.1100e-003	0.0000	2.8562	2.8562	6.0000e-005	7.0000e-005	2.8779

3.4 Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.1044	0.0000	1.1044	0.3892	0.0000	0.3892	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2945	2.8362	2.6726	6.3000e-003		0.1148	0.1148		0.1056	0.1056	0.0000	553.2381	553.2381	0.1789	0.0000	557.7113
Total	0.2945	2.8362	2.6726	6.3000e-003	1.1044	0.1148	1.2192	0.3892	0.1056	0.4948	0.0000	553.2381	553.2381	0.1789	0.0000	557.7113

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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	3.9600e-003	2.3200e-003	0.0349	1.2000e-004	0.0160	7.0000e-005	0.0161	4.2500e-003	6.0000e-005	4.3200e-003	0.0000	11.1074	11.1074	2.5000e-004	2.6000e-004	11.1917
Total	3.9600e-003	2.3200e-003	0.0349	1.2000e-004	0.0160	7.0000e-005	0.0161	4.2500e-003	6.0000e-005	4.3200e-003	0.0000	11.1074	11.1074	2.5000e-004	2.6000e-004	11.1917

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.1044	0.0000	1.1044	0.3892	0.0000	0.3892	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2945	2.8362	2.6726	6.3000e-003		0.1148	0.1148		0.1056	0.1056	0.0000	553.2374	553.2374	0.1789	0.0000	557.7106
Total	0.2945	2.8362	2.6726	6.3000e-003	1.1044	0.1148	1.2192	0.3892	0.1056	0.4948	0.0000	553.2374	553.2374	0.1789	0.0000	557.7106

22-111 Ravenswood SP Update Scenario 2 - San Mateo 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	3.9600e-003	2.3200e-003	0.0349	1.2000e-004	0.0160	7.0000e-005	0.0161	4.2500e-003	6.0000e-005	4.3200e-003	0.0000	11.1074	11.1074	2.5000e-004	2.6000e-004	11.1917
Total	3.9600e-003	2.3200e-003	0.0349	1.2000e-004	0.0160	7.0000e-005	0.0161	4.2500e-003	6.0000e-005	4.3200e-003	0.0000	11.1074	11.1074	2.5000e-004	2.6000e-004	11.1917

3.4 Grading - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.8153	0.0000	0.8153	0.2303	0.0000	0.2303	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1552	1.4949	1.4087	3.3200e-003		0.0605	0.0605		0.0557	0.0557	0.0000	291.6082	291.6082	0.0943	0.0000	293.9660
Total	0.1552	1.4949	1.4087	3.3200e-003	0.8153	0.0605	0.8758	0.2303	0.0557	0.2860	0.0000	291.6082	291.6082	0.0943	0.0000	293.9660

22-111 Ravenswood SP Update Scenario 2 - San Mateo 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	2.0100e-003	1.1200e-003	0.0175	6.0000e-005	8.4200e-003	4.0000e-005	8.4600e-003	2.2400e-003	3.0000e-005	2.2700e-003	0.0000	5.6857	5.6857	1.2000e-004	1.3000e-004	5.7278
Total	2.0100e-003	1.1200e-003	0.0175	6.0000e-005	8.4200e-003	4.0000e-005	8.4600e-003	2.2400e-003	3.0000e-005	2.2700e-003	0.0000	5.6857	5.6857	1.2000e-004	1.3000e-004	5.7278

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.8153	0.0000	0.8153	0.2303	0.0000	0.2303	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1552	1.4949	1.4087	3.3200e-003		0.0605	0.0605		0.0557	0.0557	0.0000	291.6079	291.6079	0.0943	0.0000	293.9657
Total	0.1552	1.4949	1.4087	3.3200e-003	0.8153	0.0605	0.8758	0.2303	0.0557	0.2860	0.0000	291.6079	291.6079	0.0943	0.0000	293.9657

22-111 Ravenswood SP Update Scenario 2 - San Mateo 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	2.0100e-003	1.1200e-003	0.0175	6.0000e-005	8.4200e-003	4.0000e-005	8.4600e-003	2.2400e-003	3.0000e-005	2.2700e-003	0.0000	5.6857	5.6857	1.2000e-004	1.3000e-004	5.7278
Total	2.0100e-003	1.1200e-003	0.0175	6.0000e-005	8.4200e-003	4.0000e-005	8.4600e-003	2.2400e-003	3.0000e-005	2.2700e-003	0.0000	5.6857	5.6857	1.2000e-004	1.3000e-004	5.7278

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	0.1053	0.9602	1.2385	2.0800e-003		0.0406	0.0406		0.0382	0.0382	0.0000	178.5780	178.5780	0.0420	0.0000	179.6274
Total	0.1053	0.9602	1.2385	2.0800e-003		0.0406	0.0406		0.0382	0.0382	0.0000	178.5780	178.5780	0.0420	0.0000	179.6274

22-111 Ravenswood SP Update Scenario 2 - San Mateo 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	0.0770	3.5861	1.3310	0.0155	0.5148	0.0191	0.5339	0.1489	0.0182	0.1672	0.0000	1,581.7568	1,581.7568	0.1100	0.2339	1,654.1964
Worker	0.4268	0.2390	3.7203	0.0132	1.7925	7.4600e-003	1.7999	0.4770	6.8700e-003	0.4839	0.0000	1,209.8840	1,209.8840	0.0257	0.0279	1,218.8400
Total	0.5038	3.8252	5.0513	0.0287	2.3073	0.0265	2.3339	0.6259	0.0251	0.6510	0.0000	2,791.6408	2,791.6408	0.1357	0.2618	2,873.0364

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1053	0.9602	1.2385	2.0800e-003		0.0406	0.0406		0.0382	0.0382	0.0000	178.5778	178.5778	0.0420	0.0000	179.6272
Total	0.1053	0.9602	1.2385	2.0800e-003		0.0406	0.0406		0.0382	0.0382	0.0000	178.5778	178.5778	0.0420	0.0000	179.6272

Mitigated Construction Off-Site

22-111 Ravenswood SP Update Scenario 2 - San Mateo 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	0.0770	3.5861	1.3310	0.0155	0.5148	0.0191	0.5339	0.1489	0.0182	0.1672	0.0000	1,581.7568	1,581.7568	0.1100	0.2339	1,654.1964
Worker	0.4268	0.2390	3.7203	0.0132	1.7925	7.4600e-003	1.7999	0.4770	6.8700e-003	0.4839	0.0000	1,209.8840	1,209.8840	0.0257	0.0279	1,218.8400
Total	0.5038	3.8252	5.0513	0.0287	2.3073	0.0265	2.3339	0.6259	0.0251	0.6510	0.0000	2,791.6408	2,791.6408	0.1357	0.2618	2,873.0364

3.5 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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Unmitigated Construction Off-Site

22-111 Ravenswood SP Update Scenario 2 - San Mateo 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	0.1276	5.9952	2.2620	0.0256	0.8727	0.0321	0.9047	0.2524	0.0307	0.2831	0.0000	2,623.6045	2,623.6045	0.1895	0.3882	2,744.0253
Worker	0.6970	0.3757	6.0383	0.0218	3.0379	0.0119	3.0498	0.8084	0.0109	0.8193	0.0000	1,997.3736	1,997.3736	0.0402	0.0453	2,011.8663
Total	0.8247	6.3709	8.3002	0.0474	3.9105	0.0439	3.9545	1.0608	0.0416	1.1024	0.0000	4,620.9781	4,620.9781	0.2297	0.4335	4,755.8916

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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22-111 Ravenswood SP Update Scenario 2 - San Mateo 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
Vendor	0.1276	5.9952	2.2620	0.0256	0.8727	0.0321	0.9047	0.2524	0.0307	0.2831	0.0000	2,623.6045	2,623.6045	0.1895	0.3882	2,744.0253
Worker	0.6970	0.3757	6.0383	0.0218	3.0379	0.0119	3.0498	0.8084	0.0109	0.8193	0.0000	1,997.3736	1,997.3736	0.0402	0.0453	2,011.8663
Total	0.8247	6.3709	8.3002	0.0474	3.9105	0.0439	3.9545	1.0608	0.0416	1.1024	0.0000	4,620.9781	4,620.9781	0.2297	0.4335	4,755.8916

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671
Total	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671

Unmitigated Construction Off-Site

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

22-111 Ravenswood SP Update Scenario 2 - San Mateo County, Annual

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

Vendor	0.1251	5.9056	2.2662	0.0250	0.8694	0.0317	0.9011	0.2515	0.0303	0.2818	0.0000	2,559.5277	2,559.5277	0.1922	0.3789	2,677.2384
Worker	0.6693	0.3500	5.7904	0.0212	3.0263	0.0110	3.0372	0.8053	0.0101	0.8154	0.0000	1,942.8232	1,942.8232	0.0372	0.0434	1,956.6933
Total	0.7945	6.2556	8.0566	0.0461	3.8957	0.0427	3.9384	1.0568	0.0404	1.0973	0.0000	4,502.3508	4,502.3508	0.2294	0.4223	4,633.9317

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1237	5.8391	2.2869	0.0244	0.8728	0.0315	0.9043	0.2525	0.0301	0.2826	0.0000	2,511.4321	2,511.4321	0.1963	0.3719	2,627.1521

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

Worker	0.6463	0.3304	5.6134	0.0208	3.0379	0.0103	3.0482	0.8084	9.4800e-003	0.8179	0.0000	1,908.4381	1,908.4381	0.0348	0.0422	1,921.8782
Total	0.7700	6.1695	7.9003	0.0452	3.9107	0.0418	3.9525	1.0609	0.0396	1.1005	0.0000	4,419.8701	4,419.8701	0.2311	0.4140	4,549.0303

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1237	5.8391	2.2869	0.0244	0.8728	0.0315	0.9043	0.2525	0.0301	0.2826	0.0000	2,511.4321	2,511.4321	0.1963	0.3719	2,627.1521
Worker	0.6463	0.3304	5.6134	0.0208	3.0379	0.0103	3.0482	0.8084	9.4800e-003	0.8179	0.0000	1,908.4381	1,908.4381	0.0348	0.0422	1,921.8782

22-111 Ravenswood SP Update Scenario 2 - San Mateo County, Annual

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

Total	0.7700	6.1695	7.9003	0.0452	3.9107	0.0418	3.9525	1.0609	0.0396	1.1005	0.0000	4,419.8701	4,419.8701	0.2311	0.4140	4,549.0303
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3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777
Total	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1222	5.7750	2.3015	0.0239	0.8729	0.0311	0.9041	0.2525	0.0298	0.2823	0.0000	2,461.8170	2,461.8170	0.1993	0.3646	2,575.4595
Worker	0.6244	0.3140	5.4498	0.0204	3.0379	9.6600e-003	3.0476	0.8084	8.8900e-003	0.8173	0.0000	1,871.4309	1,871.4309	0.0326	0.0411	1,884.4802
Total	0.7466	6.0890	7.7513	0.0443	3.9108	0.0408	3.9516	1.0610	0.0387	1.0996	0.0000	4,333.2479	4,333.2479	0.2319	0.4057	4,459.9397

22-111 Ravenswood SP Update Scenario 2 - San Mateo 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	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773
Total	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1222	5.7750	2.3015	0.0239	0.8729	0.0311	0.9041	0.2525	0.0298	0.2823	0.0000	2,461.8170	2,461.8170	0.1993	0.3646	2,575.4595
Worker	0.6244	0.3140	5.4498	0.0204	3.0379	9.6600e-003	3.0476	0.8084	8.8900e-003	0.8173	0.0000	1,871.4309	1,871.4309	0.0326	0.0411	1,884.4802
Total	0.7466	6.0890	7.7513	0.0443	3.9108	0.0408	3.9516	1.0610	0.0387	1.0996	0.0000	4,333.2479	4,333.2479	0.2319	0.4057	4,459.9397

22-111 Ravenswood SP Update Scenario 2 - San Mateo County, Annual

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

3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777
Total	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1212	5.7275	2.3169	0.0234	0.8730	0.0309	0.9039	0.2526	0.0296	0.2822	0.0000	2,417.4858	2,417.4858	0.2017	0.3582	2,529.2566
Worker	0.6025	0.2999	5.3060	0.0201	3.0379	9.0700e-003	3.0470	0.8084	8.3400e-003	0.8168	0.0000	1,838.6786	1,838.6786	0.0307	0.0401	1,851.3986
Total	0.7237	6.0274	7.6229	0.0435	3.9109	0.0400	3.9509	1.0610	0.0379	1.0989	0.0000	4,256.1645	4,256.1645	0.2324	0.3983	4,380.6552

Mitigated Construction On-Site

22-111 Ravenswood SP Update Scenario 2 - San Mateo 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	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773
Total	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1212	5.7275	2.3169	0.0234	0.8730	0.0309	0.9039	0.2526	0.0296	0.2822	0.0000	2,417.4858	2,417.4858	0.2017	0.3582	2,529.2566
Worker	0.6025	0.2999	5.3060	0.0201	3.0379	9.0700e-003	3.0470	0.8084	8.3400e-003	0.8168	0.0000	1,838.6786	1,838.6786	0.0307	0.0401	1,851.3986
Total	0.7237	6.0274	7.6229	0.0435	3.9109	0.0400	3.9509	1.0610	0.0379	1.0989	0.0000	4,256.1645	4,256.1645	0.2324	0.3983	4,380.6552

3.5 Building Construction - 2032

Unmitigated Construction On-Site

22-111 Ravenswood SP Update Scenario 2 - San Mateo 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	0.1715	1.0394	2.1166	4.0600e-003		0.0194	0.0194		0.0194	0.0194	0.0000	344.3479	344.3479	0.0138	0.0000	344.6933
Total	0.1715	1.0394	2.1166	4.0600e-003		0.0194	0.0194		0.0194	0.0194	0.0000	344.3479	344.3479	0.0138	0.0000	344.6933

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1210	5.7059	2.3422	0.0231	0.8764	0.0308	0.9073	0.2536	0.0295	0.2831	0.0000	2,387.0323	2,387.0323	0.2047	0.3537	2,497.5602
Worker	0.5846	0.2897	5.2015	0.0198	3.0495	8.5600e-003	3.0581	0.8115	7.8700e-003	0.8194	0.0000	1,816.7229	1,816.7229	0.0291	0.0395	1,829.2209
Total	0.7056	5.9955	7.5436	0.0429	3.9260	0.0394	3.9654	1.0651	0.0374	1.1024	0.0000	4,203.7552	4,203.7552	0.2338	0.3932	4,326.7811

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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22-111 Ravenswood SP Update Scenario 2 - San Mateo 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					
	Off-Road	0.1715	1.0394	2.1166	4.0600e-003		0.0194	0.0194		0.0194	0.0194	0.0000	344.3475	344.3475	0.0138	0.0000
Total	0.1715	1.0394	2.1166	4.0600e-003		0.0194	0.0194		0.0194	0.0194	0.0000	344.3475	344.3475	0.0138	0.0000	344.6929

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1210	5.7059	2.3422	0.0231	0.8764	0.0308	0.9073	0.2536	0.0295	0.2831	0.0000	2,387.0323	2,387.0323	0.2047	0.3537	2,497.5602
Worker	0.5846	0.2897	5.2015	0.0198	3.0495	8.5600e-003	3.0581	0.8115	7.8700e-003	0.8194	0.0000	1,816.7229	1,816.7229	0.0291	0.0395	1,829.2209
Total	0.7056	5.9955	7.5436	0.0429	3.9260	0.0394	3.9654	1.0651	0.0374	1.1024	0.0000	4,203.7552	4,203.7552	0.2338	0.3932	4,326.7811

3.5 Building Construction - 2033

Unmitigated Construction On-Site

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

22-111 Ravenswood SP Update Scenario 2 - San Mateo County, Annual

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

Off-Road	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621
Total	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1197	5.6223	2.3406	0.0226	0.8698	0.0304	0.9002	0.2516	0.0291	0.2807	0.0000	2,332.4661	2,332.4661	0.2050	0.3457	2,440.6188
Worker	0.5621	0.2785	5.0546	0.0194	3.0263	8.0000e-003	3.0343	0.8053	7.3600e-003	0.8127	0.0000	1,777.6101	1,777.6101	0.0274	0.0386	1,789.7948
Total	0.6818	5.9008	7.3951	0.0419	3.8960	0.0384	3.9344	1.0570	0.0364	1.0934	0.0000	4,110.0762	4,110.0762	0.2324	0.3843	4,230.4135

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617

22-111 Ravenswood SP Update Scenario 2 - San Mateo County, Annual

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

Total	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1197	5.6223	2.3406	0.0226	0.8698	0.0304	0.9002	0.2516	0.0291	0.2807	0.0000	2,332.4661	2,332.4661	0.2050	0.3457	2,440.6188
Worker	0.5621	0.2785	5.0546	0.0194	3.0263	8.0000e-003	3.0343	0.8053	7.3600e-003	0.8127	0.0000	1,777.6101	1,777.6101	0.0274	0.0386	1,789.7948
Total	0.6818	5.9008	7.3951	0.0419	3.8960	0.0384	3.9344	1.0570	0.0364	1.0934	0.0000	4,110.0762	4,110.0762	0.2324	0.3843	4,230.4135

3.5 Building Construction - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621
Total	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621

22-111 Ravenswood SP Update Scenario 2 - San Mateo 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	0.1195	5.5878	2.3549	0.0222	0.8699	0.0302	0.9001	0.2517	0.0289	0.2806	0.0000	2,299.5028	2,299.5028	0.2067	0.3409	2,406.2712
Worker	0.5457	0.2711	4.9590	0.0191	3.0263	7.5500e-003	3.0338	0.8053	6.9500e-003	0.8123	0.0000	1,755.4929	1,755.4929	0.0260	0.0381	1,767.4979
Total	0.6653	5.8589	7.3139	0.0414	3.8961	0.0378	3.9339	1.0570	0.0359	1.0928	0.0000	4,054.9957	4,054.9957	0.2327	0.3790	4,173.7691

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617
Total	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617

22-111 Ravenswood SP Update Scenario 2 - San Mateo 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	0.1195	5.5878	2.3549	0.0222	0.8699	0.0302	0.9001	0.2517	0.0289	0.2806	0.0000	2,299.5028	2,299.5028	0.2067	0.3409	2,406.2712
Worker	0.5457	0.2711	4.9590	0.0191	3.0263	7.5500e-003	3.0338	0.8053	6.9500e-003	0.8123	0.0000	1,755.4929	1,755.4929	0.0260	0.0381	1,767.4979
Total	0.6653	5.8589	7.3139	0.0414	3.8961	0.0378	3.9339	1.0570	0.0359	1.0928	0.0000	4,054.9957	4,054.9957	0.2327	0.3790	4,173.7691

3.5 Building Construction - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530
Total	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530

Unmitigated Construction Off-Site

22-111 Ravenswood SP Update Scenario 2 - San Mateo 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	0.1199	5.5739	2.3760	0.0220	0.8733	0.0302	0.9035	0.2527	0.0289	0.2815	0.0000	2,277.7257	2,277.7257	0.2088	0.3378	2,383.6105
Worker	0.5323	0.2666	4.8954	0.0190	3.0379	7.1800e-003	3.0451	0.8084	6.6100e-003	0.8150	0.0000	1,742.9588	1,742.9588	0.0250	0.0379	1,754.8683
Total	0.6521	5.8405	7.2714	0.0410	3.9111	0.0374	3.9485	1.0611	0.0355	1.0965	0.0000	4,020.6845	4,020.6845	0.2337	0.3757	4,138.4788

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526
Total	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526

Mitigated Construction Off-Site

22-111 Ravenswood SP Update Scenario 2 - San Mateo 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	0.1199	5.5739	2.3760	0.0220	0.8733	0.0302	0.9035	0.2527	0.0289	0.2815	0.0000	2,277.7257	2,277.7257	0.2088	0.3378	2,383.6105
Worker	0.5323	0.2666	4.8954	0.0190	3.0379	7.1800e-003	3.0451	0.8084	6.6100e-003	0.8150	0.0000	1,742.9588	1,742.9588	0.0250	0.0379	1,754.8683
Total	0.6521	5.8405	7.2714	0.0410	3.9111	0.0374	3.9485	1.0611	0.0355	1.0965	0.0000	4,020.6845	4,020.6845	0.2337	0.3757	4,138.4788

3.5 Building Construction - 2036

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1594	0.9381	2.1114	4.0600e-003		0.0118	0.0118		0.0118	0.0118	0.0000	344.3479	344.3479	0.0128	0.0000	344.6686
Total	0.1594	0.9381	2.1114	4.0600e-003		0.0118	0.0118		0.0118	0.0118	0.0000	344.3479	344.3479	0.0128	0.0000	344.6686

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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22-111 Ravenswood SP Update Scenario 2 - San Mateo 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
Vendor	0.1203	5.5952	2.3851	0.0221	0.8766	0.0303	0.9069	0.2536	0.0290	0.2826	0.0000	2,286.4526	2,286.4526	0.2096	0.3391	2,392.7431
Worker	0.5343	0.2676	4.9142	0.0191	3.0495	7.2100e-003	3.0567	0.8115	6.6300e-003	0.8181	0.0000	1,749.6368	1,749.6368	0.0251	0.0380	1,761.5919
Total	0.6546	5.8629	7.2992	0.0411	3.9261	0.0375	3.9637	1.0651	0.0356	1.1007	0.0000	4,036.0894	4,036.0894	0.2346	0.3771	4,154.3351

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1594	0.9381	2.1114	4.0600e-003		0.0118	0.0118		0.0118	0.0118	0.0000	344.3475	344.3475	0.0128	0.0000	344.6682
Total	0.1594	0.9381	2.1114	4.0600e-003		0.0118	0.0118		0.0118	0.0118	0.0000	344.3475	344.3475	0.0128	0.0000	344.6682

Mitigated Construction Off-Site

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

22-111 Ravenswood SP Update Scenario 2 - San Mateo County, Annual

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

Vendor	0.1199	5.5739	2.3760	0.0220	0.8733	0.0302	0.9035	0.2527	0.0289	0.2815	0.0000	2,277.7257	2,277.7257	0.2088	0.3378	2,383.6105
Worker	0.5323	0.2666	4.8954	0.0190	3.0379	7.1800e-003	3.0451	0.8084	6.6100e-003	0.8150	0.0000	1,742.9588	1,742.9588	0.0250	0.0379	1,754.8683
Total	0.6521	5.8405	7.2714	0.0410	3.9111	0.0374	3.9485	1.0611	0.0355	1.0965	0.0000	4,020.6845	4,020.6845	0.2337	0.3757	4,138.4788

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526
Total	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1199	5.5739	2.3760	0.0220	0.8733	0.0302	0.9035	0.2527	0.0289	0.2815	0.0000	2,277.7257	2,277.7257	0.2088	0.3378	2,383.6105

22-111 Ravenswood SP Update Scenario 2 - San Mateo County, Annual

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

Worker	0.5323	0.2666	4.8954	0.0190	3.0379	7.1800e-003	3.0451	0.8084	6.6100e-003	0.8150	0.0000	1,742.9588	1,742.9588	0.0250	0.0379	1,754.8683
Total	0.6521	5.8405	7.2714	0.0410	3.9111	0.0374	3.9485	1.0611	0.0355	1.0965	0.0000	4,020.6845	4,020.6845	0.2337	0.3757	4,138.4788

3.5 Building Construction - 2038

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0462	0.2721	0.6125	1.1800e-003		3.4400e-003	3.4400e-003		3.4400e-003	3.4400e-003	0.0000	99.8872	99.8872	3.7200e-003	0.0000	99.9802
Total	0.0462	0.2721	0.6125	1.1800e-003		3.4400e-003	3.4400e-003		3.4400e-003	3.4400e-003	0.0000	99.8872	99.8872	3.7200e-003	0.0000	99.9802

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0349	1.6231	0.6919	6.4000e-003	0.2543	8.7900e-003	0.2631	0.0736	8.4100e-003	0.0820	0.0000	663.2458	663.2458	0.0608	0.0984	694.0782
Worker	0.1550	0.0776	1.4255	5.5300e-003	0.8846	2.0900e-003	0.8867	0.2354	1.9200e-003	0.2373	0.0000	507.5282	507.5282	7.2700e-003	0.0110	510.9961

22-111 Ravenswood SP Update Scenario 2 - San Mateo County, Annual

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

Total	0.1899	1.7007	2.1173	0.0119	1.1389	0.0109	1.1498	0.3090	0.0103	0.3193	0.0000	1,170.7740	1,170.7740	0.0681	0.1094	1,205.0743
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0462	0.2721	0.6125	1.1800e-003		3.4400e-003	3.4400e-003		3.4400e-003	3.4400e-003	0.0000	99.8871	99.8871	3.7200e-003	0.0000	99.9801
Total	0.0462	0.2721	0.6125	1.1800e-003		3.4400e-003	3.4400e-003		3.4400e-003	3.4400e-003	0.0000	99.8871	99.8871	3.7200e-003	0.0000	99.9801

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0349	1.6231	0.6919	6.4000e-003	0.2543	8.7900e-003	0.2631	0.0736	8.4100e-003	0.0820	0.0000	663.2458	663.2458	0.0608	0.0984	694.0782
Worker	0.1550	0.0776	1.4255	5.5300e-003	0.8846	2.0900e-003	0.8867	0.2354	1.9200e-003	0.2373	0.0000	507.5282	507.5282	7.2700e-003	0.0110	510.9961
Total	0.1899	1.7007	2.1173	0.0119	1.1389	0.0109	1.1498	0.3090	0.0103	0.3193	0.0000	1,170.7740	1,170.7740	0.0681	0.1094	1,205.0743

22-111 Ravenswood SP Update Scenario 2 - San Mateo County, Annual

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

3.6 Paving - 2038

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1055	0.4510	1.4634	2.5900e-003		0.0173	0.0173		0.0173	0.0173	0.0000	222.9205	222.9205	8.5800e-003	0.0000	223.1350
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1055	0.4510	1.4634	2.5900e-003		0.0173	0.0173		0.0173	0.0173	0.0000	222.9205	222.9205	8.5800e-003	0.0000	223.1350

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9100e-003	9.6000e-004	0.0176	7.0000e-005	0.0109	3.0000e-005	0.0110	2.9100e-003	2.0000e-005	2.9300e-003	0.0000	6.2670	6.2670	9.0000e-005	1.4000e-004	6.3098
Total	1.9100e-003	9.6000e-004	0.0176	7.0000e-005	0.0109	3.0000e-005	0.0110	2.9100e-003	2.0000e-005	2.9300e-003	0.0000	6.2670	6.2670	9.0000e-005	1.4000e-004	6.3098

22-111 Ravenswood SP Update Scenario 2 - San Mateo 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	0.1055	0.4510	1.4634	2.5900e-003		0.0173	0.0173		0.0173	0.0173	0.0000	222.9203	222.9203	8.5800e-003	0.0000	223.1347
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1055	0.4510	1.4634	2.5900e-003		0.0173	0.0173		0.0173	0.0173	0.0000	222.9203	222.9203	8.5800e-003	0.0000	223.1347

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9100e-003	9.6000e-004	0.0176	7.0000e-005	0.0109	3.0000e-005	0.0110	2.9100e-003	2.0000e-005	2.9300e-003	0.0000	6.2670	6.2670	9.0000e-005	1.4000e-004	6.3098
Total	1.9100e-003	9.6000e-004	0.0176	7.0000e-005	0.0109	3.0000e-005	0.0110	2.9100e-003	2.0000e-005	2.9300e-003	0.0000	6.2670	6.2670	9.0000e-005	1.4000e-004	6.3098

22-111 Ravenswood SP Update Scenario 2 - San Mateo County, Annual

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

3.6 Paving - 2039

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0200	0.0853	0.2769	4.9000e-004		3.2800e-003	3.2800e-003		3.2800e-003	3.2800e-003	0.0000	42.1742	42.1742	1.6200e-003	0.0000	42.2147
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0200	0.0853	0.2769	4.9000e-004		3.2800e-003	3.2800e-003		3.2800e-003	3.2800e-003	0.0000	42.1742	42.1742	1.6200e-003	0.0000	42.2147

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6000e-004	1.8000e-004	3.3300e-003	1.0000e-005	2.0700e-003	0.0000	2.0700e-003	5.5000e-004	0.0000	5.5000e-004	0.0000	1.1856	1.1856	2.0000e-005	3.0000e-005	1.1938
Total	3.6000e-004	1.8000e-004	3.3300e-003	1.0000e-005	2.0700e-003	0.0000	2.0700e-003	5.5000e-004	0.0000	5.5000e-004	0.0000	1.1856	1.1856	2.0000e-005	3.0000e-005	1.1938

22-111 Ravenswood SP Update Scenario 2 - San Mateo 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	0.0200	0.0853	0.2769	4.9000e-004		3.2800e-003	3.2800e-003		3.2800e-003	3.2800e-003	0.0000	42.1741	42.1741	1.6200e-003	0.0000	42.2147
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0200	0.0853	0.2769	4.9000e-004		3.2800e-003	3.2800e-003		3.2800e-003	3.2800e-003	0.0000	42.1741	42.1741	1.6200e-003	0.0000	42.2147

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6000e-004	1.8000e-004	3.3300e-003	1.0000e-005	2.0700e-003	0.0000	2.0700e-003	5.5000e-004	0.0000	5.5000e-004	0.0000	1.1856	1.1856	2.0000e-005	3.0000e-005	1.1938
Total	3.6000e-004	1.8000e-004	3.3300e-003	1.0000e-005	2.0700e-003	0.0000	2.0700e-003	5.5000e-004	0.0000	5.5000e-004	0.0000	1.1856	1.1856	2.0000e-005	3.0000e-005	1.1938

22-111 Ravenswood SP Update Scenario 2 - San Mateo County, Annual

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

3.7 Architectural Coating - 2039

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	32.0207					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0130	0.0834	0.1974	3.3000e-004		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	28.0858	28.0858	1.0400e-003	0.0000	28.1117
Total	32.0337	0.0834	0.1974	3.3000e-004		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	28.0858	28.0858	1.0400e-003	0.0000	28.1117

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0897	0.0449	0.8247	3.2000e-003	0.5118	1.2100e-003	0.5130	0.1362	1.1100e-003	0.1373	0.0000	293.6334	293.6334	4.2000e-003	6.3800e-003	295.6398
Total	0.0897	0.0449	0.8247	3.2000e-003	0.5118	1.2100e-003	0.5130	0.1362	1.1100e-003	0.1373	0.0000	293.6334	293.6334	4.2000e-003	6.3800e-003	295.6398

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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	32.0207					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0130	0.0834	0.1974	3.3000e-004		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	28.0858	28.0858	1.0400e-003	0.0000	28.1117
Total	32.0337	0.0834	0.1974	3.3000e-004		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	28.0858	28.0858	1.0400e-003	0.0000	28.1117

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0897	0.0449	0.8247	3.2000e-003	0.5118	1.2100e-003	0.5130	0.1362	1.1100e-003	0.1373	0.0000	293.6334	293.6334	4.2000e-003	6.3800e-003	295.6398
Total	0.0897	0.0449	0.8247	3.2000e-003	0.5118	1.2100e-003	0.5130	0.1362	1.1100e-003	0.1373	0.0000	293.6334	293.6334	4.2000e-003	6.3800e-003	295.6398

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	7.0580	3.0736	25.0832	8.3700e-003	0.0311	0.0119	0.0430	7.8000e-003	0.0110	0.0188	0.0000	779.8504	779.8504	0.4272	0.2931	877.8795
Unmitigated	7.0580	3.0736	25.0832	8.3700e-003	0.0311	0.0119	0.0430	7.8000e-003	0.0110	0.0188	0.0000	779.8504	779.8504	0.4272	0.2931	877.8795

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	4,134.40	3,739.20	3116.00	4,294	4,294
City Park	13.80	34.80	38.70	44	44
Fast Food Restaurant w/o Drive Thru	3,606.06	7,248.87	5207.55	19,024	19,024
General Heavy Industry	1,310.69	2,137.80	1694.23	1,620	1,620
General Office Building	13,878.15	3,159.95	1003.50	15,299	15,299
Government (Civic Center)	1,311.34	0.00	0.00	5,455	5,455
Government Office Building	796.60	0.00	0.00	3,314	3,314
High Turnover (Sit Down Restaurant)	810.04	883.82	1029.99	13,336	13,336
Library	501.58	557.61	293.02	2,096	2,096
Quality Restaurant	435.61	467.79	373.94	6,909	6,909
Regional Shopping Center	3,257.75	3,979.58	1820.66	12,635	12,635

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Research & Development	7,762.21	1,307.32	770.39	6,379	6,379
Single Family Housing	452.80	456.80	409.60	488	488
Total	38,271.05	23,973.54	15,757.56	90,893	90,893

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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	0.00	0.00	0.00	31.00	15.00	54.00	86	11	3
City Park	0.00	0.00	0.00	33.00	48.00	19.00	66	28	6
Fast Food Restaurant w/o Drive	0.00	0.00	0.00	1.50	79.50	19.00	51	37	12
General Heavy Industry	0.00	0.00	0.00	59.00	28.00	13.00	92	5	3
General Office Building	0.00	0.00	0.00	33.00	48.00	19.00	77	19	4
Government (Civic Center)	0.00	0.00	0.00	75.00	20.00	5.00	50	34	16
Government Office Building	0.00	0.00	0.00	33.00	62.00	5.00	50	34	16
High Turnover (Sit Down	0.00	0.00	0.00	8.50	72.50	19.00	37	20	43
Library	0.00	0.00	0.00	52.00	43.00	5.00	44	44	12
Quality Restaurant	0.00	0.00	0.00	12.00	69.00	19.00	38	18	44
Regional Shopping Center	0.00	0.00	0.00	16.30	64.70	19.00	54	35	11
Research & Development	0.00	0.00	0.00	33.00	48.00	19.00	82	15	3
Single Family Housing	0.00	0.00	0.00	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.355048	0.037746	0.327499	0.194881	0.039857	0.009615	0.014559	0.008400	0.004633	0.001783	0.004708	0.000492	0.000779
City Park	0.355048	0.037746	0.327499	0.194881	0.039857	0.009615	0.014559	0.008400	0.004633	0.001783	0.004708	0.000492	0.000779
Fast Food Restaurant w/o Drive Thru	0.355048	0.037746	0.327499	0.194881	0.039857	0.009615	0.014559	0.008400	0.004633	0.001783	0.004708	0.000492	0.000779
General Heavy Industry	0.355048	0.037746	0.327499	0.194881	0.039857	0.009615	0.014559	0.008400	0.004633	0.001783	0.004708	0.000492	0.000779
General Office Building	0.355048	0.037746	0.327499	0.194881	0.039857	0.009615	0.014559	0.008400	0.004633	0.001783	0.004708	0.000492	0.000779
Government (Civic Center)	0.355048	0.037746	0.327499	0.194881	0.039857	0.009615	0.014559	0.008400	0.004633	0.001783	0.004708	0.000492	0.000779
Government Office Building	0.355048	0.037746	0.327499	0.194881	0.039857	0.009615	0.014559	0.008400	0.004633	0.001783	0.004708	0.000492	0.000779
High Turnover (Sit Down Restaurant)	0.355048	0.037746	0.327499	0.194881	0.039857	0.009615	0.014559	0.008400	0.004633	0.001783	0.004708	0.000492	0.000779
Library	0.355048	0.037746	0.327499	0.194881	0.039857	0.009615	0.014559	0.008400	0.004633	0.001783	0.004708	0.000492	0.000779

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Quality Restaurant	0.355048	0.037746	0.327499	0.194881	0.039857	0.009615	0.014559	0.008400	0.004633	0.001783	0.004708	0.000492	0.000779
Regional Shopping Center	0.355048	0.037746	0.327499	0.194881	0.039857	0.009615	0.014559	0.008400	0.004633	0.001783	0.004708	0.000492	0.000779
Research & Development	0.355048	0.037746	0.327499	0.194881	0.039857	0.009615	0.014559	0.008400	0.004633	0.001783	0.004708	0.000492	0.000779
Single Family Housing	0.355048	0.037746	0.327499	0.194881	0.039857	0.009615	0.014559	0.008400	0.004633	0.001783	0.004708	0.000492	0.000779

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.5579	5.0251	3.9170	0.0304		0.3855	0.3855		0.3855	0.3855	0.0000	5,521.4095	5,521.4095	0.1058	0.1012	5,554.2204
NaturalGas Unmitigated	0.5579	5.0251	3.9170	0.0304		0.3855	0.3855		0.3855	0.3855	0.0000	5,521.4095	5,521.4095	0.1058	0.1012	5,554.2204

5.2 Energy by Land Use - NaturalGas

Unmitigated

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

	Natural Gas 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	1.28334e+007	0.0692	0.5913	0.2516	3.7700e-003		0.0478	0.0478		0.0478	0.0478	0.0000	684.8378	684.8378	0.0131	0.0126	688.9074
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
Fast Food Restaurant w/o Drive Thru	3.03211e+006	0.0164	0.1486	0.1249	8.9000e-004		0.0113	0.0113		0.0113	0.0113	0.0000	161.8050	161.8050	3.1000e-003	2.9700e-003	162.7666
General Heavy Industry	8.19434e+006	0.0442	0.4017	0.3374	2.4100e-003		0.0305	0.0305		0.0305	0.0305	0.0000	437.2812	437.2812	8.3800e-003	8.0200e-003	439.8798
General Office Building	4.08872e+007	0.2205	2.0043	1.6836	0.0120		0.1523	0.1523		0.1523	0.1523	0.0000	2,181.8948	2,181.8948	0.0418	0.0400	2,194.8607
Government (Civic Center)	1.45157e+006	7.8300e-003	0.0712	0.0598	4.3000e-004		5.4100e-003	5.4100e-003		5.4100e-003	5.4100e-003	0.0000	77.4613	77.4613	1.4800e-003	1.4200e-003	77.9216
Government Office Building	1.12583e+006	6.0700e-003	0.0552	0.0464	3.3000e-004		4.1900e-003	4.1900e-003		4.1900e-003	4.1900e-003	0.0000	60.0785	60.0785	1.1500e-003	1.1000e-003	60.4355
High Turnover (Sit Down Restaurant)	2.10908e+006	0.0114	0.1034	0.0868	6.2000e-004		7.8600e-003	7.8600e-003		7.8600e-003	7.8600e-003	0.0000	112.5484	112.5484	2.1600e-003	2.0600e-003	113.2172
Library	285012	1.5400e-003	0.0140	0.0117	8.0000e-005		1.0600e-003	1.0600e-003		1.0600e-003	1.0600e-003	0.0000	15.2093	15.2093	2.9000e-004	2.8000e-004	15.2997
Quality Restaurant	1.44905e+006	7.8100e-003	0.0710	0.0597	4.3000e-004		5.4000e-003	5.4000e-003		5.4000e-003	5.4000e-003	0.0000	77.3267	77.3267	1.4800e-003	1.4200e-003	77.7862
Regional Shopping Center	333154	1.8000e-003	0.0163	0.0137	1.0000e-004		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	17.7783	17.7783	3.4000e-004	3.3000e-004	17.8840
Research & Development	2.86793e+007	0.1546	1.4059	1.1809	8.4400e-003		0.1068	0.1068		0.1068	0.1068	0.0000	1,530.4384	1,530.4384	0.0293	0.0281	1,539.5330
Single Family Housing	3.08729e+006	0.0167	0.1423	0.0605	9.1000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	164.7496	164.7496	3.1600e-003	3.0200e-003	165.7286
Total		0.5579	5.0251	3.9170	0.0304		0.3855	0.3855		0.3855	0.3855	0.0000	5,521.4095	5,521.4095	0.1058	0.1012	5,554.2204

Mitigated

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

	Natural Gas 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	1.28334e+007	0.0692	0.5913	0.2516	3.7700e-003		0.0478	0.0478		0.0478	0.0478	0.0000	684.8378	684.8378	0.0131	0.0126	688.9074
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
Fast Food Restaurant w/o Drive Thru	3.03211e+006	0.0164	0.1486	0.1249	8.9000e-004		0.0113	0.0113		0.0113	0.0113	0.0000	161.8050	161.8050	3.1000e-003	2.9700e-003	162.7666
General Heavy Industry	8.19434e+006	0.0442	0.4017	0.3374	2.4100e-003		0.0305	0.0305		0.0305	0.0305	0.0000	437.2812	437.2812	8.3800e-003	8.0200e-003	439.8798
General Office Building	4.08872e+007	0.2205	2.0043	1.6836	0.0120		0.1523	0.1523		0.1523	0.1523	0.0000	2,181.8948	2,181.8948	0.0418	0.0400	2,194.8607
Government (Civic Center)	1.45157e+006	7.8300e-003	0.0712	0.0598	4.3000e-004		5.4100e-003	5.4100e-003		5.4100e-003	5.4100e-003	0.0000	77.4613	77.4613	1.4800e-003	1.4200e-003	77.9216
Government Office Building	1.12583e+006	6.0700e-003	0.0552	0.0464	3.3000e-004		4.1900e-003	4.1900e-003		4.1900e-003	4.1900e-003	0.0000	60.0785	60.0785	1.1500e-003	1.1000e-003	60.4355
High Turnover (Sit Down Restaurant)	2.10908e+006	0.0114	0.1034	0.0868	6.2000e-004		7.8600e-003	7.8600e-003		7.8600e-003	7.8600e-003	0.0000	112.5484	112.5484	2.1600e-003	2.0600e-003	113.2172
Library	285012	1.5400e-003	0.0140	0.0117	8.0000e-005		1.0600e-003	1.0600e-003		1.0600e-003	1.0600e-003	0.0000	15.2093	15.2093	2.9000e-004	2.8000e-004	15.2997
Quality Restaurant	1.44905e+006	7.8100e-003	0.0710	0.0597	4.3000e-004		5.4000e-003	5.4000e-003		5.4000e-003	5.4000e-003	0.0000	77.3267	77.3267	1.4800e-003	1.4200e-003	77.7862
Regional Shopping Center	333154	1.8000e-003	0.0163	0.0137	1.0000e-004		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	17.7783	17.7783	3.4000e-004	3.3000e-004	17.8840
Research & Development	2.86793e+007	0.1546	1.4059	1.1809	8.4400e-003		0.1068	0.1068		0.1068	0.1068	0.0000	1,530.4384	1,530.4384	0.0293	0.0281	1,539.5330
Single Family Housing	3.08729e+006	0.0167	0.1423	0.0605	9.1000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	164.7496	164.7496	3.1600e-003	3.0200e-003	165.7286
Total		0.5579	5.0251	3.9170	0.0304		0.3855	0.3855		0.3855	0.3855	0.0000	5,521.4095	5,521.4095	0.1058	0.1012	5,554.2204

5.3 Energy by Land Use - Electricity

Unmitigated

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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	5.90728e+006	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	519289	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	2.47798e+006	0.0000	0.0000	0.0000	0.0000
General Office Building	2.57066e+007	0.0000	0.0000	0.0000	0.0000
Government (Civic Center)	912632	0.0000	0.0000	0.0000	0.0000
Government Office Building	707832	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	361207	0.0000	0.0000	0.0000	0.0000
Library	86188	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	248168	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	748134	0.0000	0.0000	0.0000	0.0000
Research & Development	8.67267e+006	0.0000	0.0000	0.0000	0.0000
Single Family Housing	624842	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

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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	5.90728e+006	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	519289	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	2.47798e+006	0.0000	0.0000	0.0000	0.0000
General Office Building	2.57066e+007	0.0000	0.0000	0.0000	0.0000
Government (Civic Center)	912632	0.0000	0.0000	0.0000	0.0000
Government Office Building	707832	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	361207	0.0000	0.0000	0.0000	0.0000
Library	86188	0.0000	0.0000	0.0000	0.0000
Quality Restaurant	248168	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	748134	0.0000	0.0000	0.0000	0.0000
Research & Development	8.67267e+006	0.0000	0.0000	0.0000	0.0000
Single Family Housing	624842	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior

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

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	22.3981	0.1369	11.8638	6.3000e-004		0.0660	0.0660		0.0660	0.0660	0.0000	19.4762	19.4762	0.0187	0.0000	19.9425
Unmitigated	25.2799	0.1369	11.8638	6.3000e-004		0.0660	0.0660		0.0660	0.0660	0.0000	19.4762	19.4762	0.0187	0.0000	19.9425

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	3.2021					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	21.7208					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	0.3570	0.1369	11.8638	6.3000e-004		0.0660	0.0660		0.0660	0.0660	0.0000	19.4762	19.4762	0.0187	0.0000	19.9425
Total	25.2799	0.1369	11.8638	6.3000e-004		0.0660	0.0660		0.0660	0.0660	0.0000	19.4762	19.4762	0.0187	0.0000	19.9425

22-111 Ravenswood SP Update Scenario 2 - San Mateo County, Annual

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

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	0.3202					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	21.7208					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	0.3570	0.1369	11.8638	6.3000e-004		0.0660	0.0660		0.0660	0.0660	0.0000	19.4762	19.4762	0.0187	0.0000	19.9425
Total	22.3981	0.1369	11.8638	6.3000e-004		0.0660	0.0660		0.0660	0.0660	0.0000	19.4762	19.4762	0.0187	0.0000	19.9425

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			

22-111 Ravenswood SP Update Scenario 2 - San Mateo County, Annual

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

Mitigated	417.2145	1.4360	0.9073	723.4917
Unmitigated	417.2145	1.4360	0.9073	723.4917

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	99.0341 / 62.4346	35.0384	0.1206	0.0762	60.7601
City Park	0 / 35.7444	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive-Thru	5.49396 / 0.350678	1.9438	6.6900e-003	4.2300e-003	3.3707
General Heavy Industry	77.1242 / 0	27.2867	0.0939	0.0593	47.3178
General Office Building	379.479 / 232.584	134.2604	0.4621	0.2920	232.8209
Government (Civic Center)	15.0584 / 9.22934	5.3277	0.0183	0.0116	9.2387
Government Office Building	11.6792 / 7.15822	4.1321	0.0142	8.9900e-003	7.1655
High Turnover (Sit Down Restaurant)	3.82149 / 0.243925	1.3521	4.6500e-003	2.9400e-003	2.3446
Library	0.362951 / 0.567693	0.1284	4.4000e-004	2.8000e-004	0.2227
Quality Restaurant	2.62557 / 0.167589	0.9289	3.2000e-003	2.0200e-003	1.6109
Regional Shopping Center	5.41174 / 3.31687	1.9147	6.5900e-003	4.1600e-003	3.3203
Research & Development	573.93 / 0	203.0573	0.6989	0.4416	352.1216

22-111 Ravenswood SP Update Scenario 2 - San Mateo County, Annual

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

Single Family Housing	5.21232 / 3.28603	1.8441	6.3500e-003	4.0100e-003	3.1979
Total		417.2145	1.4360	0.9073	723.4917

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	99.0341 / 62.4346	35.0384	0.1206	0.0762	60.7601
City Park	0 / 35.7444	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant w/o Drive Thru	5.49396 / 0.350678	1.9438	6.6900e-003	4.2300e-003	3.3707
General Heavy Industry	77.1242 / 0	27.2867	0.0939	0.0593	47.3178
General Office Building	379.479 / 232.584	134.2604	0.4621	0.2920	232.8209
Government (Civic Center)	15.0584 / 9.22934	5.3277	0.0183	0.0116	9.2387
Government Office Building	11.6792 / 7.15822	4.1321	0.0142	8.9900e-003	7.1655
High Turnover (Sit Down Restaurant)	3.82149 / 0.243925	1.3521	4.6500e-003	2.9400e-003	2.3446
Library	0.362951 / 0.567693	0.1284	4.4000e-004	2.8000e-004	0.2227
Quality Restaurant	2.62557 / 0.167589	0.9289	3.2000e-003	2.0200e-003	1.6109
Regional Shopping Center	5.41174 / 3.31687	1.9147	6.5900e-003	4.1600e-003	3.3203
Research & Development	573.93 / 0	203.0573	0.6989	0.4416	352.1216

22-111 Ravenswood SP Update Scenario 2 - San Mateo County, Annual

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

Single Family Housing	5.21232 / 3.28603	1.8441	6.3500e-003	4.0100e-003	3.1979
Total		417.2145	1.4360	0.9073	723.4917

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	857.8743	50.6989	0.0000	2,125.3473
Unmitigated	857.8743	50.6989	0.0000	2,125.3473

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	699.2	141.9313	8.3879	0.0000	351.6287

22-111 Ravenswood SP Update Scenario 2 - San Mateo County, Annual

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

City Park	2.58	0.5237	0.0310	0.0000	1.2975
Fast Food Restaurant w/o Drive-Thru	208.49	42.3216	2.5011	0.0000	104.8499
General Heavy Industry	413.55	83.9469	4.9611	0.0000	207.9749
General Office Building	1985.64	403.0670	23.8206	0.0000	998.5814
Government (Civic Center)	432.06	87.7043	5.1832	0.0000	217.2836
Government Office Building	54.67	11.0975	0.6558	0.0000	27.4936
High Turnover (Sit Down Restaurant)	149.82	30.4121	1.7973	0.0000	75.3447
Library	10.68	2.1679	0.1281	0.0000	5.3710
Quality Restaurant	7.89	1.6016	0.0947	0.0000	3.9679
Regional Shopping Center	76.71	15.5714	0.9203	0.0000	38.5776
Research & Development	88.7	18.0053	1.0641	0.0000	44.6074
Single Family Housing	96.18	19.5237	1.1538	0.0000	48.3691
Total		857.8743	50.6989	0.0000	2,125.3473

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	699.2	141.9313	8.3879	0.0000	351.6287

22-111 Ravenswood SP Update Scenario 2 - San Mateo County, Annual

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

City Park	2.58	0.5237	0.0310	0.0000	1.2975
Fast Food Restaurant w/o	208.49	42.3216	2.5011	0.0000	104.8499
General Heavy Industry	413.55	83.9469	4.9611	0.0000	207.9749
General Office Building	1985.64	403.0670	23.8206	0.0000	998.5814
Government (Civic Center)	432.06	87.7043	5.1832	0.0000	217.2836
Government Office Building	54.67	11.0975	0.6558	0.0000	27.4936
High Turnover (Sit Down Restaurant)	149.82	30.4121	1.7973	0.0000	75.3447
Library	10.68	2.1679	0.1281	0.0000	5.3710
Quality Restaurant	7.89	1.6016	0.0947	0.0000	3.9679
Regional Shopping Center	76.71	15.5714	0.9203	0.0000	38.5776
Research & Development	88.7	18.0053	1.0641	0.0000	44.6074
Single Family Housing	96.18	19.5237	1.1538	0.0000	48.3691
Total		857.8743	50.6989	0.0000	2,125.3473

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

22-111 Ravenswood SP Update Scenario 2 - San Mateo County, Annual

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

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

Equipment Type	Number
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11.0 Vegetation

Attachment 3: EMFAC2021 Calculations

Daily Project VMT Scenarios

From "VMT By Speedbin EPA Project - VMT Total RSP Area Added.xls"

Daily VMT (includes 40% TDM Reduction)	2020												2040											
	2020.2.8.NL		2020.2.8.L		2020.3.35.NL		2020.3.35.L		2040.1.4.L		2040.2.8.NL		2040.2.8.L		2040.3.35.NL		2040.3.35.L		2040.3.35.NL Existing Land Uses within RSP 1		2040.3.35.L Existing Land Uses within RSP 2		2020 Existing Land Uses within RSP 3	
	Speed Bin	2020.2.8.NL	%	2020.2.8.L	%	2020.3.35.NL	%	2020.3.35.L	%	2040.1.4.L	%	2040.2.8.NL	%	2040.2.8.L	%	2040.3.35.NL	%	2040.3.35.L	%	2040.3.35.NL Existing Land Uses within RSP 1	%	2040.3.35.L Existing Land Uses within RSP 2	%	2020 Existing Land Uses within RSP 3
0-5	20,277	4.816%	20,960	4.997%	23,114	5.040%	23,708	5.188%	17,525	7.256%	29,151	7.315%	28,471	7.182%	32,920	7.315%	32,232	7.190%	2,971	4.197%	2,943	4.160%	1,633	2.307%
5-10	20,330	4.828%	18,760	4.473%	22,608	4.929%	20,750	4.540%	16,071	6.654%	29,137	7.312%	28,135	7.097%	33,212	7.380%	31,865	7.108%	4,993	7.053%	4,863	6.873%	3,689	4.628%
10-15	19,734	4.687%	18,782	4.478%	21,933	4.782%	21,476	4.699%	20,671	8.559%	37,332	9.368%	35,658	8.995%	41,522	9.226%	40,963	9.138%	5,944	8.396%	5,822	8.229%	3,213	4.031%
15-20	41,507	9.858%	42,536	10.142%	47,463	10.349%	48,366	10.583%	30,855	12.776%	48,778	12.240%	48,833	12.318%	54,721	12.159%	55,283	12.333%	7,872	11.119%	8,250	11.660%	6,649	8.341%
20-25	60,717	14.420%	61,621	14.692%	65,593	14.302%	67,911	14.860%	32,265	13.360%	47,471	11.912%	51,103	12.891%	55,925	12.427%	58,060	12.952%	10,029	14.166%	9,978	14.103%	12,930	16.221%
25-30	51,985	12.346%	48,695	11.610%	57,391	12.513%	54,221	11.865%	23,763	9.839%	42,047	10.551%	41,182	10.388%	46,031	10.228%	44,640	9.958%	7,069	9.985%	7,023	9.926%	9,403	11.796%
30-35	43,305	10.285%	44,822	10.687%	47,255	10.303%	47,391	10.370%	26,916	11.145%	41,957	10.583%	41,957	10.583%	48,392	10.753%	47,029	10.491%	7,689	10.861%	7,699	10.882%	9,626	12.076%
35-40	20,302	4.822%	20,909	4.985%	24,079	5.250%	22,288	4.877%	10,898	4.512%	17,331	4.349%	17,587	4.436%	19,389	4.308%	20,621	4.600%	3,785	5.346%	3,873	5.474%	4,162	5.221%
40-45	28,182	6.693%	27,764	6.629%	29,179	6.362%	30,769	6.733%	10,876	4.503%	17,702	4.442%	17,654	4.453%	20,050	4.455%	19,969	4.455%	3,975	5.615%	3,840	5.427%	5,069	6.359%
45-50	17,433	4.140%	17,085	4.074%	18,395	4.011%	18,120	3.965%	11,412	4.725%	18,294	4.591%	18,222	4.596%	20,733	4.607%	20,118	4.490%	3,849	5.437%	3,844	5.433%	4,790	6.009%
50-55	25,438	6.042%	25,796	6.151%	28,785	5.840%	27,137	5.938%	9,030	3.739%	14,262	3.579%	14,008	3.533%	15,923	3.538%	16,050	3.580%	2,889	4.081%	2,875	4.063%	5,019	6.296%
55-60	52,824	12.546%	52,642	12.551%	55,251	12.047%	55,273	12.095%	23,900	9.896%	40,740	10.223%	40,836	10.301%	46,562	10.346%	46,806	10.441%	7,485	10.573%	7,495	10.593%	10,249	12.857%
60-65	19,018	4.517%	19,039	4.539%	19,596	4.273%	19,590	4.287%	7,326	3.033%	12,759	3.202%	12,792	3.227%	14,650	3.255%	14,623	3.262%	2,246	3.172%	2,247	3.176%	3,281	4.116%
65-70	-	0.000%	-	0.000%	-	0.000%	-	0.000%	-	0.000%	-	0.000%	-	0.000%	0	0.000%	-	0.000%	-	0.000%	-	0.000%	-	0.000%
>70	-	0.000%	-	0.000%	-	0.000%	-	0.000%	-	0.000%	-	0.000%	-	0.000%	0	0.000%	-	0.000%	-	0.000%	-	0.000%	-	0.000%
TOTAL	421,052	100.00%	419,412	100%	458,642	100%	457,000	100%	241,508	100%	398,504	100%	396,438	100%	450,030	100%	448,269	100%	70,796	100%	70,752	100%	79,713	100%

Total Mobile Emissions

General	2020.2.8.NL	2020.2.8.L	2020.3.35.NL	2020.3.35.L	2040.1.4.L	2040.2.8.NL	2040.2.8.L	2040.3.35.NL	2040.3.35.L	2040.3.35.N	2040.3.35.L	2020	
										L Existing Only	Existing Only	Existing Only	
PM _{2.5}	0.01082	0.01077	0.01186	0.01181	0.00585	0.00965	0.00959	0.01089	0.01084	0.00169	0.00169	0.00201	tons/day
PM ₁₀	0.05159	0.05137	0.05653	0.05629	0.03062	0.05046	0.05019	0.05694	0.05671	0.00889	0.00888	0.00965	tons/day
NO _x	0.08651	0.08609	0.09469	0.09428	0.01596	0.02657	0.02631	0.03002	0.02977	0.00441	0.00440	0.01580	tons/day
ROG	0.03180	0.03164	0.03493	0.03477	0.00983	0.01632	0.01617	0.01843	0.01830	0.00276	0.00275	0.00564	tons/day

File Name: San Mateo (SF) - 2020 - Annual.EF
 EMFAC2021/CT-EMFAC2017
 Run Date: 44957.55751
 Area: San Mateo (SF)
 Analysis Year: 2020
 Season: Annual

Vehicle Category	VMT Fraction		Diesel VMT Fraction		Gas VMT Fraction	
	Across Category	Within Cat	Within Category	Within Category	Within Category	Within Category
Truck 1	0.033	0.445	0.555			
Truck 2	0.013	0.871	0.115			
Non-Truck	0.954	0.016	0.969			

Road Type: Freeway Major/Coll Local Urban
 Silt Loading Factor: CARB 0.015 g/m²; 0.032 g/m²; 0.32 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	60 mph	65 mph	70 mph	75 mph
PM2.5	0.013226105	0.009016	0.006277	0.004568	0.003534	0.00288	0.002459	0.002208	0.002091	0.00209	0.002198	0.002375	0.002617	0.009038	0.009038
PM10	0.014236085	0.009685	0.006735	0.004896	0.003784	0.003081	0.002629	0.002359	0.002232	0.002229	0.002343	0.002531	0.002791	0.009506	0.009506
NOx	0.346653321	0.292356	0.23898	0.207212	0.186393	0.171572	0.160613	0.153149	0.148949	0.147889	0.14993	0.155076	0.16325	0.495535	0.495535
CO	1.984957874	1.752448	1.557837	1.400295	1.271549	1.162976	1.070325	0.991294	0.924341	0.868545	0.823611	0.790008	0.769215	1.535022	1.53525
HC	0.1885837	0.12325	0.082847	0.058607	0.04416	0.035006	0.029075	0.025315	0.023135	0.022228	0.022482	0.023955	0.026861	0.081202	0.08122
TOG	0.210500328	0.138311	0.092808	0.065517	0.049428	0.039224	0.032573	0.028327	0.025839	0.024772	0.025004	0.026595	0.029765	0.090778	0.090804
ROG	0.154507393	0.102117	0.068502	0.048331	0.036545	0.029061	0.024157	0.021011	0.019156	0.01835	0.018507	0.01967	0.021995	0.069627	0.069649
1,3-Butadiene	0.001474	0.000961	0.000648	0.000459	0.000348	0.000277	0.000232	0.000204	0.000189	0.000184	0.000189	0.000203	0.000229	0.000229	0.000229
Acetaldehyde	0.003812	0.002742	0.00158	0.000907	0.000666	0.000532	0.000441	0.00038	0.000343	0.000325	0.000327	0.000342	0.000366	0.000368	0.000369
Acrolein	0.000323	0.000209	0.000142	0.000102	0.000077	0.000062	0.000052	0.000046	0.000042	0.000041	0.000042	0.000045	0.000051	0.000051	0.000051
Benzene	0.006829	0.004493	0.002982	0.00208	0.001569	0.001249	0.001046	0.00092	0.000851	0.000826	0.000845	0.000907	0.00102	0.001021	0.001021
Diesel PM	0.003619504	0.002982	0.002193	0.001641	0.001367	0.001204	0.001102	0.001055	0.001061	0.001119	0.00123	0.001329	0.001395	0.001418	0.001418
Ethylbenzene	0.002783	0.001813	0.001223	0.000869	0.000658	0.000523	0.000439	0.000387	0.000358	0.000349	0.000357	0.000384	0.000434	0.000434	0.000434
Formaldehyde	0.009883	0.006944	0.004153	0.002527	0.001872	0.001493	0.001241	0.001077	0.000979	0.000936	0.000945	0.000998	0.001088	0.001091	0.001094
Naphthalene	0.0002	0.000133	0.000088	0.00006	0.000046	0.000037	0.000031	0.000027	0.000025	0.000024	0.000025	0.000026	0.00003	0.000029	0.000029
POM	0.000285	0.000192	0.000122	0.000081	0.000061	0.000048	0.00004	0.000035	0.000033	0.000032	0.000032	0.000034	0.000038	0.000038	0.000038
DEOG	0.036495	0.126332	0.068659	0.034862	0.025483	0.020656	0.016979	0.014337	0.012648	0.011849	0.01189	0.01225	0.012352	0.012372	0.012396
CO2	844.729589	690.2839	565.0724	472.068	404.9589	359.9695	333.1128	320.8421	319.8639	327.2933	339.4347	352.9702	364.9659	401.3175	401.3175
N2O	0.021833	0.018795	0.015479	0.01361	0.012294	0.011218	0.010569	0.010087	0.009785	0.009694	0.009844	0.010126	0.010576	0.010576	0.010576
CH4	0.027608589	0.018833	0.013322	0.009861	0.007667	0.006232	0.005289	0.004688	0.004342	0.004204	0.004259	0.004515	0.005006	0.012859	0.01286
BC	0.003127	0.002099	0.001434	0.001024	0.000785	0.000639	0.000548	0.000496	0.000474	0.000477	0.000503	0.00054	0.000586	0.000586	0.000586

Fleet Average Fuel Consumption (gallons/veh-mile)

Fuel Type	<= 5 mph	10 mph	15 mph	20 mph	25 mph	30 mph	35 mph	40 mph	45 mph	50 mph	55 mph	60 mph	65 mph	70 mph	75 mph
Gasoline	0.083597	0.067843	0.055554	0.046194	0.039468	0.035044	0.032475	0.031413	0.031506	0.032409	0.033735	0.035072	0.036076	0.036076	0.036076
Diesel	0.006734	0.005722	0.004394	0.003757	0.003308	0.002965	0.002762	0.002597	0.002489	0.002484	0.002537	0.002621	0.002762	0.002762	0.002762

Fleet Average Running Loss Emission Factors (grams/veh-hour)

Pollutant Name	Emission Factor
HC	1.102201715
TOG	1.17839611
ROG	1.17839611
1,3-Butadiene	0
Benzene	0.014338
Ethylbenzene	0.023515
Naphthalene	0.002007
CH4	0.208595
HFC	0.028699

Fleet Average Tire Wear Factors (grams/veh-mile)

Pollutant Name	Emission Factor
PM2.5	0.002043846
PM10	0.008175386

Fleet Average Brake Wear 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	60 mph	65 mph	70 mph	75 mph
PM2.5	0.003882387	0.004417	0.004948	0.005472	0.00573	0.005808	0.005868	0.005403	0.004387	0.003377	0.002732	0.002433	0.002133	0.002133	0.002133
PM10	0.011092535	0.012619	0.014137	0.015635	0.01637	0.016596	0.016766	0.015437	0.012535	0.009649	0.007807	0.006951	0.006096	0.006096	0.006096

Fleet Average Road Dust Factors (grams/veh-mile)

Road Type:	Freeway	Road Type Major/Collector	Road Type	Local Urban	
Pollutant Name	Emission Factor	Pollutant N Emission Factor	Pollutant N Emission Factor	Pollutant N Emission Factor	
PM2.5	0.007473	PM2.5	0.014891	PM2.5	0.121041
PM10	0.049819	PM10	0.099276	PM10	0.806942

=====END=====

calendar_year	season_month	sub_area	vehicle_class	fuel	temperature	relative_humidity	process	speed_time	pollutant	emission_rate
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	5	HC	0.313590854
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	5	CO	2.002663409
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	5	NOx	3.41152897
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	5	SOx	0.018343964
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	5	PM	0.042400563
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	5	TOG	0.452103935
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	5	ROG	0.397130516
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	5	CO2	1922.460058
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	5	CH4	0.018445759
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	5	PM10	0.04214616
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	5	PM2_5	0.040322936
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	10	HC	0.236227487
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	10	CO	1.498397917
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	10	NOx	2.743136848
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	10	SOx	0.015518571
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	10	PM	0.034113426
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	10	TOG	0.340569168
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	10	ROG	0.299157792
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	10	CO2	1626.353213
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	10	CH4	0.013895161
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	10	PM10	0.033908745
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	10	PM2_5	0.032441868
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	15	HC	0.139395121
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	15	CO	0.821069347
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	15	NOx	2.010905206
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	15	SOx	0.012576547
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	15	PM	0.0249565
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	15	TOG	0.200965947
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	15	ROG	0.176529613
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	15	CO2	1318.022711
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	15	CH4	0.008199373
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	15	PM10	0.024806761
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	15	PM2_5	0.023733631
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	20	HC	0.083298344
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	20	CO	0.427949445
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	20	NOx	1.61119765
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	20	SOx	0.010748923
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	20	PM	0.018710169
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	20	TOG	0.120091223
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	20	ROG	0.105488848
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	20	CO2	1126.48819
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	20	CH4	0.004899698
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	20	PM10	0.018597908
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	20	PM2_5	0.017793371
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	25	HC	0.060824492
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	25	CO	0.300728113
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	25	NOx	1.395817768
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	25	SOx	0.009609484
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	25	PM	0.015530865
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	25	TOG	0.087690671
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	25	ROG	0.077028019
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	25	CO2	1007.077358
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	25	CH4	0.003577761
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	25	PM10	0.01543768
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	25	PM2_5	0.014769853
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	30	HC	0.047245822
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	30	CO	0.238194398
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	30	NOx	1.238887735
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	30	SOx	0.00878692
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	30	PM	0.013697117
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	30	TOG	0.068114302
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	30	ROG	0.059832016
2020	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	30	CO2	920.8745071

2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	30 CH4	0.00277905
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	30 PM10	0.013614934
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	30 PM2_5	0.013025958
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	35 HC	0.037365677
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	35 CO	0.194881177
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	35 NOx	1.118091701
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	35 SOx	0.008196093
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	35 PM	0.012652559
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	35 TOG	0.053870097
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	35 ROG	0.047319816
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	35 CO2	858.9567214
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	35 CH4	0.002197889
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	35 PM10	0.012576644
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	35 PM2_5	0.012032584
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	40 HC	0.030250859
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	40 CO	0.164456508
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	40 NOx	1.029919769
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	40 SOx	0.007791555
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	40 PM	0.012299926
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	40 TOG	0.043612663
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	40 ROG	0.03830962
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	40 CO2	816.5619306
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	40 CH4	0.001779388
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	40 PM10	0.012226126
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	40 PM2_5	0.011697229
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	45 HC	0.025297554
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	45 CO	0.143627228
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	45 NOx	0.97237222
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	45 SOx	0.007557377
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	45 PM	0.012584988
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	45 TOG	0.036471484
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	45 ROG	0.032036762
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	45 CO2	792.0211104
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	45 CH4	0.001488029
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	45 PM10	0.012509478
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	45 PM2_5	0.011968324
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	50 HC	0.022099697
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	50 CO	0.130628157
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	50 NOx	0.944210522
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	50 SOx	0.007497878
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	50 PM	0.013481173
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	50 TOG	0.031861133
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	50 ROG	0.027986999
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	50 CO2	785.7868855
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	50 CH4	0.001299928
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	50 PM10	0.013400286
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	50 PM2_5	0.012820596
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	55 HC	0.020382802
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	55 CO	0.124640217
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	55 NOx	0.944620429
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	55 SOx	0.007617334
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	55 PM	0.01498282
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	55 TOG	0.029385885
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	55 ROG	0.025812724
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	55 CO2	798.307048
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	55 CH4	0.001198939
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	55 PM10	0.014892923
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	55 PM2_5	0.014248662
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	60 HC	0.020330931
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	60 CO	0.128098181
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	60 NOx	0.977883058
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	60 SOx	0.007922778
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	60 PM	0.016701935
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	60 TOG	0.029311104

2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	60 ROG	0.025747033
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	60 CO2	830.3186739
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	60 CH4	0.001195888
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	60 PM10	0.016601723
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	60 PM2_5	0.01588354
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	65 HC	0.021246714
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	65 CO	0.139935611
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	65 NOx	1.040970055
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	65 SOx	0.008425711
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	65 PM	0.018468339
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	65 TOG	0.030631387
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	65 ROG	0.026906774
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	65 CO2	883.0268849
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	65 CH4	0.001249755
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	65 PM10	0.018357529
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	65 PM2_5	0.017563391
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	70 HC	0.021663095
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	70 CO	0.147683227
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	70 NOx	1.042948855
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	70 SOx	0.008537638
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	70 PM	0.018982284
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	70 TOG	0.031231684
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	70 ROG	0.027434075
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	70 CO2	894.7544542
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	70 CH4	0.001274247
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	70 PM10	0.01886839
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	70 PM2_5	0.018052152
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	75 HC	0.021670461
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	75 CO	0.147772983
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	75 NOx	1.042948855
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	75 SOx	0.008537638
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	75 PM	0.018982284
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	75 TOG	0.031242304
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	75 ROG	0.027443403
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	75 CO2	894.7544542
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	75 CH4	0.00127468
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	75 PM10	0.01886839
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	75 PM2_5	0.018052152
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	80 HC	0.021679284
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	80 CO	0.147886978
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	80 NOx	1.042948855
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	80 SOx	0.008537638
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	80 PM	0.018982284
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	80 TOG	0.031255023
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	80 ROG	0.027454576
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	80 CO2	894.7544542
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	80 CH4	0.001275199
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	80 PM10	0.01886839
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	80 PM2_5	0.018052152
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	85 HC	0.021689563
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	85 CO	0.148025213
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	85 NOx	1.042948855
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	85 SOx	0.008537638
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	85 PM	0.018982284
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	85 TOG	0.031269843
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	85 ROG	0.027467594
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	85 CO2	894.7544542
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	85 CH4	0.001275804
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	85 PM10	0.01886839
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	85 PM2_5	0.018052152
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	90 HC	0.021701299
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	90 CO	0.148187688
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	90 NOx	1.042948855
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	90 SOx	0.008537638

2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	90 PM	0.018982284
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	90 TOG	0.031286762
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	90 ROG	0.027482456
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	90 CO2	894.7544542
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	90 CH4	0.001276494
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	90 PM10	0.01886839
2020 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	90 PM2_5	0.018052152
2020 Annual	San Mateo (SF)	NonTruck	Dsl		IDLEX	HC	1.251094893
2020 Annual	San Mateo (SF)	NonTruck	Dsl		IDLEX	CO	24.00256795
2020 Annual	San Mateo (SF)	NonTruck	Dsl		IDLEX	NOx	47.18592268
2020 Annual	San Mateo (SF)	NonTruck	Dsl		IDLEX	SOx	0.062094837
2020 Annual	San Mateo (SF)	NonTruck	Dsl		IDLEX	PM	0.0876182
2020 Annual	San Mateo (SF)	NonTruck	Dsl		IDLEX	TOG	1.803703508
2020 Annual	San Mateo (SF)	NonTruck	Dsl		IDLEX	ROG	1.584386573
2020 Annual	San Mateo (SF)	NonTruck	Dsl		IDLEX	CO2	6508.573788
2020 Annual	San Mateo (SF)	NonTruck	Dsl		IDLEX	CH4	0.073590653
2020 Annual	San Mateo (SF)	NonTruck	Dsl		IDLEX	PM10	0.087092491
2020 Annual	San Mateo (SF)	NonTruck	Dsl		IDLEX	PM2_5	0.083324908
2020 Annual	San Mateo (SF)	NonTruck	Dsl		STREX	5 NOx	0.015440648
2020 Annual	San Mateo (SF)	NonTruck	Dsl		STREX	10 NOx	0.147145611
2020 Annual	San Mateo (SF)	NonTruck	Dsl		STREX	20 NOx	0.501377096
2020 Annual	San Mateo (SF)	NonTruck	Dsl		STREX	30 NOx	0.724870876
2020 Annual	San Mateo (SF)	NonTruck	Dsl		STREX	40 NOx	0.886549686
2020 Annual	San Mateo (SF)	NonTruck	Dsl		STREX	50 NOx	1.014282031
2020 Annual	San Mateo (SF)	NonTruck	Dsl		STREX	60 NOx	1.120481289
2020 Annual	San Mateo (SF)	NonTruck	Dsl		STREX	120 NOx	1.544406291
2020 Annual	San Mateo (SF)	NonTruck	Dsl		STREX	180 NOx	1.811758964
2020 Annual	San Mateo (SF)	NonTruck	Dsl		STREX	240 NOx	2.01146551
2020 Annual	San Mateo (SF)	NonTruck	Dsl		STREX	300 NOx	2.171394434
2020 Annual	San Mateo (SF)	NonTruck	Dsl		STREX	360 NOx	2.303959113
2020 Annual	San Mateo (SF)	NonTruck	Dsl		STREX	420 NOx	2.415781219
2020 Annual	San Mateo (SF)	NonTruck	Dsl		STREX	480 NOx	2.510813302
2020 Annual	San Mateo (SF)	NonTruck	Dsl		STREX	540 NOx	2.591604837
2020 Annual	San Mateo (SF)	NonTruck	Dsl		STREX	600 NOx	2.659896586
2020 Annual	San Mateo (SF)	NonTruck	Dsl		STREX	660 NOx	2.716930165
2020 Annual	San Mateo (SF)	NonTruck	Dsl		STREX	720 NOx	2.763622338
2020 Annual	San Mateo (SF)	NonTruck	Dsl		PMTW	PM	0.013615426
2020 Annual	San Mateo (SF)	NonTruck	Dsl		PMTW	PM10	0.013615426
2020 Annual	San Mateo (SF)	NonTruck	Dsl		PMTW	PM2_5	0.003403856
2020 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	5 PM	0.052126337
2020 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	5 PM10	0.052126337
2020 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	5 PM2_5	0.018244218
2020 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	10 PM	0.052820658
2020 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	10 PM10	0.052820658
2020 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	10 PM2_5	0.01848723
2020 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	15 PM	0.053417743
2020 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	15 PM10	0.053417743
2020 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	15 PM2_5	0.01869621
2020 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	20 PM	0.05361121
2020 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	20 PM10	0.05361121
2020 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	20 PM2_5	0.018763923
2020 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	25 PM	0.049546012
2020 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	25 PM10	0.049546012
2020 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	25 PM2_5	0.017341104
2020 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	30 PM	0.047349173
2020 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	30 PM10	0.047349173
2020 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	30 PM2_5	0.016572211
2020 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	35 PM	0.045212854
2020 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	35 PM10	0.045212854
2020 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	35 PM2_5	0.015824499
2020 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	40 PM	0.043867131
2020 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	40 PM10	0.043867131
2020 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	40 PM2_5	0.015353496
2020 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	45 PM	0.041908644

2020 Annual	San Mateo (SF)	NonTruck	Dsl	PMBW	45 PM10	0.041908644
2020 Annual	San Mateo (SF)	NonTruck	Dsl	PMBW	45 PM2_5	0.014668025
2020 Annual	San Mateo (SF)	NonTruck	Dsl	PMBW	50 PM	0.040164581
2020 Annual	San Mateo (SF)	NonTruck	Dsl	PMBW	50 PM10	0.040164581
2020 Annual	San Mateo (SF)	NonTruck	Dsl	PMBW	50 PM2_5	0.014057603
2020 Annual	San Mateo (SF)	NonTruck	Dsl	PMBW	55 PM	0.039380909
2020 Annual	San Mateo (SF)	NonTruck	Dsl	PMBW	55 PM10	0.039380909
2020 Annual	San Mateo (SF)	NonTruck	Dsl	PMBW	55 PM2_5	0.013783318
2020 Annual	San Mateo (SF)	NonTruck	Dsl	PMBW	60 PM	0.039002232
2020 Annual	San Mateo (SF)	NonTruck	Dsl	PMBW	60 PM10	0.039002232
2020 Annual	San Mateo (SF)	NonTruck	Dsl	PMBW	60 PM2_5	0.013650781
2020 Annual	San Mateo (SF)	NonTruck	Dsl	PMBW	65 PM	0.038623554
2020 Annual	San Mateo (SF)	NonTruck	Dsl	PMBW	65 PM10	0.038623554
2020 Annual	San Mateo (SF)	NonTruck	Dsl	PMBW	65 PM2_5	0.013518244
2020 Annual	San Mateo (SF)	NonTruck	Dsl	PMBW	70 PM	0.038623554
2020 Annual	San Mateo (SF)	NonTruck	Dsl	PMBW	70 PM10	0.038623554
2020 Annual	San Mateo (SF)	NonTruck	Dsl	PMBW	70 PM2_5	0.013518244
2020 Annual	San Mateo (SF)	NonTruck	Dsl	PMBW	75 PM	0.038623554
2020 Annual	San Mateo (SF)	NonTruck	Dsl	PMBW	75 PM10	0.038623554
2020 Annual	San Mateo (SF)	NonTruck	Dsl	PMBW	75 PM2_5	0.013518244
2020 Annual	San Mateo (SF)	NonTruck	Dsl	PMBW	80 PM	0.038623554
2020 Annual	San Mateo (SF)	NonTruck	Dsl	PMBW	80 PM10	0.038623554
2020 Annual	San Mateo (SF)	NonTruck	Dsl	PMBW	80 PM2_5	0.013518244
2020 Annual	San Mateo (SF)	NonTruck	Dsl	PMBW	85 PM	0.038623554
2020 Annual	San Mateo (SF)	NonTruck	Dsl	PMBW	85 PM10	0.038623554
2020 Annual	San Mateo (SF)	NonTruck	Dsl	PMBW	85 PM2_5	0.013518244
2020 Annual	San Mateo (SF)	NonTruck	Dsl	PMBW	90 PM	0.038623554
2020 Annual	San Mateo (SF)	NonTruck	Dsl	PMBW	90 PM10	0.038623554
2020 Annual	San Mateo (SF)	NonTruck	Dsl	PMBW	90 PM2_5	0.013518244
2020 Annual	San Mateo (SF)	NonTruck	Elec	PMTW	PM	0.008001093
2020 Annual	San Mateo (SF)	NonTruck	Elec	PMTW	PM10	0.008001093
2020 Annual	San Mateo (SF)	NonTruck	Elec	PMTW	PM2_5	0.002000273
2020 Annual	San Mateo (SF)	NonTruck	Elec	PMBW	5 PM	0.001326427
2020 Annual	San Mateo (SF)	NonTruck	Elec	PMBW	5 PM10	0.001326427
2020 Annual	San Mateo (SF)	NonTruck	Elec	PMBW	5 PM2_5	0.000464249
2020 Annual	San Mateo (SF)	NonTruck	Elec	PMBW	10 PM	0.002345358
2020 Annual	San Mateo (SF)	NonTruck	Elec	PMBW	10 PM10	0.002345358
2020 Annual	San Mateo (SF)	NonTruck	Elec	PMBW	10 PM2_5	0.000820875
2020 Annual	San Mateo (SF)	NonTruck	Elec	PMBW	15 PM	0.003364289
2020 Annual	San Mateo (SF)	NonTruck	Elec	PMBW	15 PM10	0.003364289
2020 Annual	San Mateo (SF)	NonTruck	Elec	PMBW	15 PM2_5	0.001177501
2020 Annual	San Mateo (SF)	NonTruck	Elec	PMBW	20 PM	0.004386539
2020 Annual	San Mateo (SF)	NonTruck	Elec	PMBW	20 PM10	0.004386539
2020 Annual	San Mateo (SF)	NonTruck	Elec	PMBW	20 PM2_5	0.001535289
2020 Annual	San Mateo (SF)	NonTruck	Elec	PMBW	25 PM	0.004990596
2020 Annual	San Mateo (SF)	NonTruck	Elec	PMBW	25 PM10	0.004990596
2020 Annual	San Mateo (SF)	NonTruck	Elec	PMBW	25 PM2_5	0.001746709
2020 Annual	San Mateo (SF)	NonTruck	Elec	PMBW	30 PM	0.005179779
2020 Annual	San Mateo (SF)	NonTruck	Elec	PMBW	30 PM10	0.005179779
2020 Annual	San Mateo (SF)	NonTruck	Elec	PMBW	30 PM2_5	0.001812923
2020 Annual	San Mateo (SF)	NonTruck	Elec	PMBW	35 PM	0.005372281
2020 Annual	San Mateo (SF)	NonTruck	Elec	PMBW	35 PM10	0.005372281
2020 Annual	San Mateo (SF)	NonTruck	Elec	PMBW	35 PM2_5	0.001880298
2020 Annual	San Mateo (SF)	NonTruck	Elec	PMBW	40 PM	0.004960726
2020 Annual	San Mateo (SF)	NonTruck	Elec	PMBW	40 PM10	0.004960726
2020 Annual	San Mateo (SF)	NonTruck	Elec	PMBW	40 PM2_5	0.001736254
2020 Annual	San Mateo (SF)	NonTruck	Elec	PMBW	45 PM	0.003941794
2020 Annual	San Mateo (SF)	NonTruck	Elec	PMBW	45 PM10	0.003941794
2020 Annual	San Mateo (SF)	NonTruck	Elec	PMBW	45 PM2_5	0.001379628
2020 Annual	San Mateo (SF)	NonTruck	Elec	PMBW	50 PM	0.002926182
2020 Annual	San Mateo (SF)	NonTruck	Elec	PMBW	50 PM10	0.002926182
2020 Annual	San Mateo (SF)	NonTruck	Elec	PMBW	50 PM2_5	0.001024164
2020 Annual	San Mateo (SF)	NonTruck	Elec	PMBW	55 PM	0.002159494
2020 Annual	San Mateo (SF)	NonTruck	Elec	PMBW	55 PM10	0.002159494

2020 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	55 PM2_5	0.000755823
2020 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	60 PM	0.001641731
2020 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	60 PM10	0.001641731
2020 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	60 PM2_5	0.000574606
2020 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	65 PM	0.001127287
2020 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	65 PM10	0.001127287
2020 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	65 PM2_5	0.00039455
2020 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	70 PM	0.001127287
2020 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	70 PM10	0.001127287
2020 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	70 PM2_5	0.00039455
2020 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	75 PM	0.001127287
2020 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	75 PM10	0.001127287
2020 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	75 PM2_5	0.00039455
2020 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	80 PM	0.001127287
2020 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	80 PM10	0.001127287
2020 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	80 PM2_5	0.00039455
2020 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	85 PM	0.001127287
2020 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	85 PM10	0.001127287
2020 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	85 PM2_5	0.00039455
2020 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	90 PM	0.001127287
2020 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	90 PM10	0.001127287
2020 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	90 PM2_5	0.00039455
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	5 HC	0.178550804
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	5 CO	2.004474379
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	5 NOx	0.150466343
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	5 SOx	0.007889773
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	5 PM	0.012710316
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	5 TOG	0.193080952
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	5 ROG	0.137916081
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	5 CO2	786.9052877
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	5 CH4	0.027914943
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	5 PM10	0.011365638
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	5 PM2_5	0.010451588
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	10 HC	0.114427865
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	10 CO	1.784699377
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	10 NOx	0.12957859
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	10 SOx	0.006406572
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	10 PM	0.008029364
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	10 TOG	0.123734047
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	10 ROG	0.088516481
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	10 CO2	638.8190803
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	10 CH4	0.018929457
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	10 PM10	0.007180014
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	10 PM2_5	0.006602636
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	15 HC	0.077314175
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	15 CO	1.604594945
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	15 NOx	0.113739501
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	15 SOx	0.005241177
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	15 PM	0.005350211
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	15 TOG	0.083598115
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	15 ROG	0.059894269
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	15 CO2	522.4341256
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	15 CH4	0.013437337
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	15 PM10	0.004784337
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	15 PM2_5	0.004399643
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	20 HC	0.055045316
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	20 CO	1.453820109
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	20 NOx	0.101707596
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	20 SOx	0.004358292
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	20 PM	0.003759738
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	20 TOG	0.059516574
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	20 ROG	0.042704277
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	20 CO2	434.2675135
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	20 CH4	0.009981811

2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	20 PM10	0.003362134
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	20 PM2_5	0.003091821
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	25 HC	0.041276529
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	25 CO	1.325732166
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	25 NOx	0.092618375
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	25 SOx	0.003726335
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	25 PM	0.002785947
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	25 TOG	0.044627367
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	25 ROG	0.032067653
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	25 CO2	371.1846248
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	25 CH4	0.007756772
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	25 PM10	0.002491362
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	25 PM2_5	0.002291077
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	30 HC	0.032585306
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	30 CO	1.215876731
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	30 NOx	0.085861432
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	30 SOx	0.0033069
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	30 PM	0.002176488
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	30 TOG	0.035229046
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	30 ROG	0.025350336
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	30 CO2	329.3542583
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	30 CH4	0.006303788
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	30 PM10	0.001946375
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	30 PM2_5	0.001789917
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	35 HC	0.027072517
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	35 CO	1.121145444
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	35 NOx	0.081013852
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	35 SOx	0.003065122
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	35 PM	0.001792514
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	35 TOG	0.029267747
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	35 ROG	0.02108966
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	35 CO2	305.293504
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	35 CH4	0.005356386
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	35 PM10	0.00160302
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	35 PM2_5	0.001474173
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	40 HC	0.023665612
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	40 CO	1.039331165
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	40 NOx	0.077787471
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	40 SOx	0.002966178
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	40 PM	0.001556182
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	40 TOG	0.025583544
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	40 ROG	0.018459246
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	40 CO2	295.5194516
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	40 CH4	0.004757975
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	40 PM10	0.00139169
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	40 PM2_5	0.001279838
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	45 HC	0.021763602
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	45 CO	0.968896347
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	45 NOx	0.076000435
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	45 SOx	0.002975268
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	45 PM	0.001424088
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	45 TOG	0.02352648
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	45 ROG	0.01699622
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	45 CO2	296.549191
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	45 CH4	0.004417917
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	45 PM10	0.001273573
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	45 PM2_5	0.001171222
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	50 HC	0.021055119
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	50 CO	0.90886701
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	50 NOx	0.075558959
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	50 SOx	0.003061087
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	50 PM	0.001373722
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	50 TOG	0.022759793
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	50 ROG	0.016461407

2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	50 CO2	305.248103
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	50 CH4	0.004288035
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	50 PM10	0.001228543
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	50 PM2_5	0.001129817
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	55 HC	0.021430516
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	55 CO	0.858835887
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	55 NOx	0.076449893
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	55 SOx	0.003185391
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	55 PM	0.001396918
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	55 TOG	0.023164831
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	55 ROG	0.016771921
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	55 CO2	317.7849866
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	55 CH4	0.004350874
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	55 PM10	0.001249298
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	55 PM2_5	0.001148909
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	60 HC	0.022952418
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	60 CO	0.819084256
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	60 NOx	0.078741853
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	60 SOx	0.003313429
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	60 PM	0.001497586
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	60 TOG	0.024809194
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	60 ROG	0.01797887
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	60 CO2	330.6769314
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	60 CH4	0.004615636
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	60 PM10	0.001339337
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	60 PM2_5	0.001231717
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	65 HC	0.02587328
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	65 CO	0.790875443
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	65 NOx	0.082596177
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	65 SOx	0.003413944
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	65 PM	0.001692835
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	65 TOG	0.027965693
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	65 ROG	0.020281544
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	65 CO2	340.7893185
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	65 CH4	0.005120435
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	65 PM10	0.00151396
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	65 PM2_5	0.001392312
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	70 HC	0.028005339
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	70 CO	0.781931929
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	70 NOx	0.08519101
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	70 SOx	0.003445309
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	70 PM	0.001836011
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	70 TOG	0.030269888
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	70 ROG	0.02195931
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	70 CO2	343.9426556
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	70 CH4	0.005484827
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	70 PM10	0.001642009
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	70 PM2_5	0.001510074
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	75 HC	0.028005339
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	75 CO	0.781931929
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	75 NOx	0.08519101
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	75 SOx	0.003445309
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	75 PM	0.001836011
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	75 TOG	0.030269888
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	75 ROG	0.02195931
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	75 CO2	343.9426556
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	75 CH4	0.005484827
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	75 PM10	0.001642009
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	75 PM2_5	0.001510074
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	80 HC	0.028005339
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	80 CO	0.781931929
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	80 NOx	0.08519101
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	80 SOx	0.003445309
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	80 PM	0.001836011

2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	80 TOG	0.030269888
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	80 ROG	0.02195931
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	80 CO2	343.9426556
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	80 CH4	0.005484827
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	80 PM10	0.001642009
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	80 PM2_5	0.001510074
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	85 HC	0.028005339
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	85 CO	0.781931929
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	85 NOx	0.08519101
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	85 SOx	0.003445309
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	85 PM	0.001836011
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	85 TOG	0.030269888
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	85 ROG	0.02195931
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	85 CO2	343.9426556
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	85 CH4	0.005484827
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	85 PM10	0.001642009
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	85 PM2_5	0.001510074
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	90 HC	0.028005339
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	90 CO	0.781931929
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	90 NOx	0.08519101
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	90 SOx	0.003445309
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	90 PM	0.001836011
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	90 TOG	0.030269888
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	90 ROG	0.02195931
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	90 CO2	343.9426556
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	90 CH4	0.005484827
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	90 PM10	0.001642009
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	90 PM2_5	0.001510074
2020 Annual	San Mateo (SF)	NonTruck	Gas		IDLEX	HC	26.66068868
2020 Annual	San Mateo (SF)	NonTruck	Gas		IDLEX	CO	153.4044377
2020 Annual	San Mateo (SF)	NonTruck	Gas		IDLEX	NOx	1.728634861
2020 Annual	San Mateo (SF)	NonTruck	Gas		IDLEX	SOx	0.062989725
2020 Annual	San Mateo (SF)	NonTruck	Gas		IDLEX	TOG	28.86614187
2020 Annual	San Mateo (SF)	NonTruck	Gas		IDLEX	ROG	19.78220142
2020 Annual	San Mateo (SF)	NonTruck	Gas		IDLEX	CO2	5986.628013
2020 Annual	San Mateo (SF)	NonTruck	Gas		IDLEX	CH4	2.561886341
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	5 HC	0.053457387
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	5 CO	0.383498529
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	5 NOx	0.066934833
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	5 SOx	0.000125224
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	5 PM	0.000267814
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	5 TOG	0.055830644
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	5 ROG	0.05105112
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	5 CO2	11.82677775
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	5 CH4	0.010973681
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	5 PM10	0.000241394
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	5 PM2_5	0.000222934
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	10 HC	0.10058747
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	10 CO	0.718415023
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	10 NOx	0.128022351
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	10 SOx	0.000147109
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	10 PM	0.00049267
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	10 TOG	0.10502319
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	10 ROG	0.095984073
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	10 CO2	13.38089578
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	10 CH4	0.019308987
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	10 PM10	0.000442287
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	10 PM2_5	0.000407584
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	20 HC	0.19579361
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	20 CO	1.368294973
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	20 NOx	0.249185227
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	20 SOx	0.000195306
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	20 PM	0.000926357
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	20 TOG	0.204396161

2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	20 ROG	0.186753137
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	20 CO2	16.95938745
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	20 CH4	0.034761815
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	20 PM10	0.000829788
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	20 PM2_5	0.000763769
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	30 HC	0.292261048
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	30 CO	1.991570873
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	30 NOx	0.368998556
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	30 SOx	0.000249404
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	30 PM	0.001338677
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	30 TOG	0.305086302
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	30 ROG	0.278726414
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	30 CO2	21.16488661
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	30 CH4	0.049487662
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	30 PM10	0.001198239
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	30 PM2_5	0.001102464
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	40 HC	0.389989783
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	40 CO	2.588242723
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	40 NOx	0.487462337
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	40 SOx	0.000309404
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	40 PM	0.00172963
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	40 TOG	0.407093614
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	40 ROG	0.371903904
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	40 CO2	25.99739326
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	40 CH4	0.063855098
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	40 PM10	0.00154764
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	40 PM2_5	0.001423671
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	50 HC	0.474261008
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	50 CO	3.153601653
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	50 NOx	0.578518966
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	50 SOx	0.000374785
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	50 PM	0.002099217
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	50 TOG	0.495055773
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	50 ROG	0.452254474
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	50 CO2	31.4569074
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	50 CH4	0.07577609
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	50 PM10	0.001877993
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	50 PM2_5	0.00172739
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	60 HC	0.517731602
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	60 CO	3.669876752
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	60 NOx	0.634621142
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	60 SOx	0.000444449
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	60 PM	0.002447436
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	60 TOG	0.540430752
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	60 ROG	0.493703764
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	60 CO2	37.54342903
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	60 CH4	0.081413682
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	60 PM10	0.002189296
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	60 PM2_5	0.00201362
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	120 HC	0.613070079
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	120 CO	4.744361776
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	120 NOx	0.669438219
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	120 SOx	0.000946551
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	120 PM	0.003920898
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	120 TOG	0.639968935
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	120 ROG	0.584667564
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	120 CO2	86.29293773
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	120 CH4	0.092811594
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	120 PM10	0.003507636
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	120 PM2_5	0.003226315
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	180 HC	0.882127219
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	180 CO	7.916321886
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	180 NOx	0.609788909
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	180 SOx	0.001070739

2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	180 PM	0.004341809
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	180 TOG	0.920800695
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	180 ROG	0.841182672
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	180 CO2	98.01457328
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	180 CH4	0.127200762
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	180 PM10	0.003884657
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	180 PM2_5	0.003573333
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	240 HC	0.9161509
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	240 CO	8.55079429
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	240 NOx	0.577430793
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	240 SOx	0.001193944
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	240 PM	0.004718584
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	240 TOG	0.956319662
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	240 ROG	0.873636358
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	240 CO2	109.6916573
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	240 CH4	0.131158312
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	240 PM10	0.004222147
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	240 PM2_5	0.00388397
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	300 HC	0.948133504
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	300 CO	9.132617064
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	300 NOx	0.545833084
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	300 SOx	0.001316164
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	300 PM	0.005051224
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	300 TOG	0.989708251
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	300 ROG	0.904144164
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	300 CO2	121.3241898
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	300 CH4	0.134898911
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	300 PM10	0.004520109
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	300 PM2_5	0.004158224
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	360 HC	0.978075031
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	360 CO	9.661790208
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	360 NOx	0.514995783
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	360 SOx	0.0014374
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	360 PM	0.005339728
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	360 TOG	1.020966461
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	360 ROG	0.932706092
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	360 CO2	132.9121708
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	360 CH4	0.138427863
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	360 PM10	0.004778541
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	360 PM2_5	0.004396097
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	420 HC	1.005975481
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	420 CO	10.13831372
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	420 NOx	0.484918889
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	420 SOx	0.001557651
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	420 PM	0.005584097
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	420 TOG	1.050094293
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	420 ROG	0.959322141
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	420 CO2	144.4556002
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	420 CH4	0.141749104
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	420 PM10	0.004997445
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	420 PM2_5	0.004597589
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	480 HC	1.031834853
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	480 CO	10.56218761
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	480 NOx	0.455602404
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	480 SOx	0.001676918
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	480 PM	0.005784331
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	480 TOG	1.077091747
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	480 ROG	0.983992311
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	480 CO2	155.9544782
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	480 CH4	0.144865422
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	480 PM10	0.005176818
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	480 PM2_5	0.004762698
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	540 HC	1.055653149
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	540 CO	10.93341187

2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	540 NOx	0.427046325
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	540 SOx	0.0017952
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	540 PM	0.005940429
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	540 TOG	1.101958822
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	540 ROG	1.006716602
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	540 CO2	167.4088046
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	540 CH4	0.147778607
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	540 PM10	0.005316663
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	540 PM2_5	0.004891426
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	600 HC	1.077430367
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	600 CO	11.25198649
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	600 NOx	0.399250655
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	600 SOx	0.001912498
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	600 PM	0.006052392
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	600 TOG	1.124695518
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	600 ROG	1.027495015
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	600 CO2	178.8185795
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	600 CH4	0.150489556
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	600 PM10	0.005416978
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	600 PM2_5	0.004983772
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	660 HC	1.097166509
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	660 CO	11.51791149
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	660 NOx	0.372215392
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	660 SOx	0.002028812
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	660 PM	0.006120222
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	660 TOG	1.145301836
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	660 ROG	1.046327549
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	660 CO2	190.1838029
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	660 CH4	0.152998347
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	660 PM10	0.005477764
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	660 PM2_5	0.005039736
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	720 HC	1.11650092
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	720 CO	11.73312817
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	720 NOx	0.345783749
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	720 SOx	0.002144385
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	720 PM	0.006144779
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	720 TOG	1.165488926
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	720 ROG	1.064777287
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	720 CO2	201.5235115
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	720 CH4	0.155486612
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	720 PM10	0.005499798
2020 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	720 PM2_5	0.005060034
2020 Annual	San Mateo (SF)	NonTruck	Gas		HOTSOAK	HC	0.123953573
2020 Annual	San Mateo (SF)	NonTruck	Gas		HOTSOAK	TOG	0.132522393
2020 Annual	San Mateo (SF)	NonTruck	Gas		HOTSOAK	ROG	0.132522393
2020 Annual	San Mateo (SF)	NonTruck	Gas		RUNLOSS	HC	1.039315238
2020 Annual	San Mateo (SF)	NonTruck	Gas		RUNLOSS	TOG	1.111162337
2020 Annual	San Mateo (SF)	NonTruck	Gas		RUNLOSS	ROG	1.111162337
2020 Annual	San Mateo (SF)	NonTruck	Gas		DIURN	HC	0.062971704
2020 Annual	San Mateo (SF)	NonTruck	Gas		DIURN	TOG	0.068397587
2020 Annual	San Mateo (SF)	NonTruck	Gas		DIURN	ROG	0.068397587
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMTW	PM	0.007990626
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMTW	PM10	0.007990626
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMTW	PM2_5	0.001997657
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	5 PM	0.006995624
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	5 PM10	0.006995624
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	5 PM2_5	0.002448468
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	10 PM	0.008635749
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	10 PM10	0.008635749
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	10 PM2_5	0.003022512
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	15 PM	0.010275841
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	15 PM10	0.010275841
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	15 PM2_5	0.003596544
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	20 PM	0.011914484

2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	20 PM10	0.011914484
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	20 PM2_5	0.00417007
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	25 PM	0.012886537
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	25 PM10	0.012886537
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	25 PM2_5	0.004510288
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	30 PM	0.013222735
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	30 PM10	0.013222735
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	30 PM2_5	0.004627957
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	35 PM	0.013558963
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	35 PM10	0.013558963
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	35 PM2_5	0.004745637
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	40 PM	0.012209151
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	40 PM10	0.012209151
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	40 PM2_5	0.004273203
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	45 PM	0.009168485
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	45 PM10	0.009168485
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	45 PM2_5	0.00320897
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	50 PM	0.006123405
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	50 PM10	0.006123405
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	50 PM2_5	0.002143192
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	55 PM	0.004143454
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	55 PM10	0.004143454
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	55 PM2_5	0.001450209
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	60 PM	0.003224216
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	60 PM10	0.003224216
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	60 PM2_5	0.001128476
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	65 PM	0.002304979
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	65 PM10	0.002304979
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	65 PM2_5	0.000806743
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	70 PM	0.002304979
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	70 PM10	0.002304979
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	70 PM2_5	0.000806743
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	75 PM	0.002304979
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	75 PM10	0.002304979
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	75 PM2_5	0.000806743
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	80 PM	0.002304979
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	80 PM10	0.002304979
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	80 PM2_5	0.000806743
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	85 PM	0.002304979
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	85 PM10	0.002304979
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	85 PM2_5	0.000806743
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	90 PM	0.002304979
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	90 PM10	0.002304979
2020 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	90 PM2_5	0.000806743
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	5 HC	5.464979719
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	5 CO	36.43954234
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	5 NOx	1.050816997
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	5 PM	0.003098646
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	5 TOG	5.454049759
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	5 ROG	0.076356697
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	5 CO2	6728.396816
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	5 CH4	5.344103658
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	5 PM10	0.002813606
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	5 PM2_5	0.002603095
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	10 HC	4.343183549
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	10 CO	33.65809296
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	10 NOx	0.578668422
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	10 PM	0.002810731
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	10 TOG	4.334497182
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	10 ROG	0.060682961
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	10 CO2	4241.550817
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	10 CH4	4.247119712
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	10 PM10	0.002552176
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	10 PM2_5	0.002361225

2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	15 HC	3.42566825
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	15 CO	30.78467155
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	15 NOx	0.283192539
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	15 PM	0.002285919
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	15 TOG	3.418816913
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	15 ROG	0.047863437
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	15 CO2	2428.905346
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	15 CH4	3.349898292
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	15 PM10	0.002075641
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	15 PM2_5	0.001920343
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	20 HC	3.014396001
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	20 CO	29.06273462
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	20 NOx	0.18141645
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	20 PM	0.001829129
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	20 TOG	3.008367209
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	20 ROG	0.042117141
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	20 CO2	1710.694675
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	20 CH4	2.947722686
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	20 PM10	0.00166087
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	20 PM2_5	0.001536605
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	25 HC	2.774661063
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	25 CO	27.80973736
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	25 NOx	0.131937096
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	25 PM	0.001440361
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	25 TOG	2.769111741
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	25 ROG	0.038767564
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	25 CO2	1329.139916
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	25 CH4	2.713290277
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	25 PM10	0.001307865
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	25 PM2_5	0.001210011
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	30 HC	2.614656476
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	30 CO	26.82260587
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	30 NOx	0.103235865
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	30 PM	0.001119616
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	30 TOG	2.609427163
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	30 ROG	0.03653198
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	30 CO2	1093.178353
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	30 CH4	2.55682472
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	30 PM10	0.001016624
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	30 PM2_5	0.000940561
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	35 HC	2.498647476
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	35 CO	26.01601473
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	35 NOx	0.084687859
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	35 PM	0.000866894
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	35 TOG	2.493650181
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	35 ROG	0.034911103
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	35 CO2	932.9434857
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	35 CH4	2.443381641
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	35 PM10	0.00078715
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	35 PM2_5	0.000728256
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	40 HC	2.409711546
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	40 CO	25.34663591
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	40 NOx	0.071793759
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	40 PM	0.000682194
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	40 TOG	2.404892123
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	40 ROG	0.03366849
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	40 CO2	816.9974875
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	40 CH4	2.356412823
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	40 PM10	0.00061944
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	40 PM2_5	0.000573094
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	45 HC	2.338744869
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	45 CO	24.78963556
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	45 NOx	0.062346062
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	45 PM	0.000565517

2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	75 PM10	0.000490983
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	75 PM2_5	0.000454377
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	80 HC	2.278680628
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	80 CO	24.44895615
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	80 NOx	0.053132245
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	80 PM	0.000540335
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	80 TOG	2.274123267
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	80 ROG	0.031837726
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	80 CO2	681.7400466
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	80 CH4	2.228280086
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	80 PM10	0.000490983
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	80 PM2_5	0.000454377
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	85 HC	2.278680628
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	85 CO	24.44895615
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	85 NOx	0.053132245
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	85 PM	0.000540335
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	85 TOG	2.274123267
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	85 ROG	0.031837726
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	85 CO2	681.7400466
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	85 CH4	2.228280086
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	85 PM10	0.000490983
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	85 PM2_5	0.000454377
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	90 HC	2.278680628
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	90 CO	24.44895615
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	90 NOx	0.053132245
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	90 PM	0.000540335
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	90 TOG	2.274123267
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	90 ROG	0.031837726
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	90 CO2	681.7400466
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	90 CH4	2.228280086
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	90 PM10	0.000490983
2020 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	90 PM2_5	0.000454377
2020 Annual	San Mateo (SF)	NonTruck	NG		IDLEX	HC	43.52027352
2020 Annual	San Mateo (SF)	NonTruck	NG		IDLEX	CO	78.95940471
2020 Annual	San Mateo (SF)	NonTruck	NG		IDLEX	NOx	15.67867667
2020 Annual	San Mateo (SF)	NonTruck	NG		IDLEX	PM	0.050552616
2020 Annual	San Mateo (SF)	NonTruck	NG		IDLEX	TOG	43.43323297
2020 Annual	San Mateo (SF)	NonTruck	NG		IDLEX	ROG	0.608065262
2020 Annual	San Mateo (SF)	NonTruck	NG		IDLEX	CO2	12086.9597
2020 Annual	San Mateo (SF)	NonTruck	NG		IDLEX	CH4	42.55767905
2020 Annual	San Mateo (SF)	NonTruck	NG		IDLEX	PM10	0.045194039
2020 Annual	San Mateo (SF)	NonTruck	NG		IDLEX	PM2_5	0.041554251
2020 Annual	San Mateo (SF)	NonTruck	NG		PMTW	PM	0.022838526
2020 Annual	San Mateo (SF)	NonTruck	NG		PMTW	PM10	0.022838526
2020 Annual	San Mateo (SF)	NonTruck	NG		PMTW	PM2_5	0.005709631
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	5 PM	0.08397718
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	5 PM10	0.08397718
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	5 PM2_5	0.029392013
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	10 PM	0.08397718
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	10 PM10	0.08397718
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	10 PM2_5	0.029392013
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	15 PM	0.08397718
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	15 PM10	0.08397718
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	15 PM2_5	0.029392013
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	20 PM	0.083512738
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	20 PM10	0.083512738
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	20 PM2_5	0.029229458
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	25 PM	0.077707217
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	25 PM10	0.077707217
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	25 PM2_5	0.027197526
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	30 PM	0.074804456
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	30 PM10	0.074804456
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	30 PM2_5	0.02618156
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	35 PM	0.073295021

2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	35 PM10	0.073295021
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	35 PM2_5	0.025653257
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	40 PM	0.073295021
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	40 PM10	0.073295021
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	40 PM2_5	0.025653257
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	45 PM	0.073295021
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	45 PM10	0.073295021
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	45 PM2_5	0.025653257
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	50 PM	0.073295021
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	50 PM10	0.073295021
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	50 PM2_5	0.025653257
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	55 PM	0.073295021
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	55 PM10	0.073295021
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	55 PM2_5	0.025653257
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	60 PM	0.073295021
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	60 PM10	0.073295021
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	60 PM2_5	0.025653257
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	65 PM	0.073295021
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	65 PM10	0.073295021
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	65 PM2_5	0.025653257
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	70 PM	0.073295021
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	70 PM10	0.073295021
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	70 PM2_5	0.025653257
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	75 PM	0.073295021
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	75 PM10	0.073295021
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	75 PM2_5	0.025653257
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	80 PM	0.073295021
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	80 PM10	0.073295021
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	80 PM2_5	0.025653257
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	85 PM	0.073295021
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	85 PM10	0.073295021
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	85 PM2_5	0.025653257
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	90 PM	0.073295021
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	90 PM10	0.073295021
2020 Annual	San Mateo (SF)	NonTruck	NG		PMBW	90 PM2_5	0.025653257
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	5 HC	0.018910462
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	5 CO	1.0236199
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	5 NOx	0.013136942
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	5 SOx	0.004298489
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	5 PM	0.007432287
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	5 TOG	0.020474793
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	5 ROG	0.014031542
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	5 CO2	429.0598035
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	5 CH4	0.004461618
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	5 PM10	0.006644465
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	5 PM2_5	0.00610934
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	10 HC	0.009051223
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	10 CO	0.617572364
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	10 NOx	0.00840098
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	10 SOx	0.003020915
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	10 PM	0.004676377
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	10 TOG	0.009799968
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	10 ROG	0.006715997
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	10 CO2	301.7133949
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	10 CH4	0.002359874
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	10 PM10	0.004180681
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	10 PM2_5	0.003843982
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	15 HC	0.005881962
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	15 CO	0.459533657
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	15 NOx	0.006467718
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	15 SOx	0.002457844
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	15 PM	0.003104068
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	15 TOG	0.006368536
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	15 ROG	0.00436441

2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	15 CO2	245.5501661
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	15 CH4	0.001625871
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	15 PM10	0.002775036
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	15 PM2_5	0.002551544
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	20 HC	0.004332239
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	20 CO	0.372594969
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	20 NOx	0.005372366
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	20 SOx	0.002123248
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	20 PM	0.002173644
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	20 TOG	0.004690615
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	20 ROG	0.003214516
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	20 CO2	212.1638335
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	20 CH4	0.001248203
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	20 PM10	0.001943238
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	20 PM2_5	0.001786736
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	25 HC	0.00341741
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	25 CO	0.316657361
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	25 NOx	0.004652203
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	25 SOx	0.001895434
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	25 PM	0.001605759
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	25 TOG	0.003700108
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	25 ROG	0.002535714
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	25 CO2	189.426645
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	25 CH4	0.001016808
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	25 PM10	0.001435549
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	25 PM2_5	0.001319934
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	30 HC	0.002815317
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	30 CO	0.277246747
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	30 NOx	0.004136059
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	30 SOx	0.001727573
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	30 PM	0.001251427
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	30 TOG	0.003048209
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	30 ROG	0.002088962
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	30 CO2	172.6700419
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	30 CH4	0.000859968
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	30 PM10	0.001118776
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	30 PM2_5	0.001028673
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	35 HC	0.002389808
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	35 CO	0.247777718
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	35 NOx	0.003744605
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	35 SOx	0.001597307
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	35 PM	0.001028883
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	35 TOG	0.0025875
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	35 ROG	0.001773235
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	35 CO2	159.664375
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	35 CH4	0.000746394
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	35 PM10	0.000919822
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	35 PM2_5	0.000845742
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	40 HC	0.002073564
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	40 CO	0.224794727
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	40 NOx	0.003435589
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	40 SOx	0.001492436
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	40 PM	0.000892405
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	40 TOG	0.002245096
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	40 ROG	0.001538582
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	40 CO2	149.1928864
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	40 CH4	0.000660209
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	40 PM10	0.00079781
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	40 PM2_5	0.000733557
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	45 HC	0.001829542
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	45 CO	0.206298434
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	45 NOx	0.003184255
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	45 SOx	0.001405666
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	45 PM	0.000816567

2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	45 TOG	0.001980887
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	45 ROG	0.001357518
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	45 CO2	140.5279253
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	45 CH4	0.000592488
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	45 PM10	0.000730011
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	45 PM2_5	0.000671218
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	50 HC	0.001635694
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	50 CO	0.191046339
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	50 NOx	0.00297505
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	50 SOx	0.001332334
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	50 PM	0.000788238
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	50 TOG	0.001771004
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	50 ROG	0.001213683
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	50 CO2	133.2041726
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	50 CH4	0.000537818
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	50 PM10	0.000704684
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	50 PM2_5	0.000647931
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	55 HC	0.001478093
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	55 CO	0.178222878
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	55 NOx	0.002797667
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	55 SOx	0.001269299
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	55 PM	0.000802707
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	55 TOG	0.001600365
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	55 ROG	0.001096743
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	55 CO2	126.9083932
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	55 CH4	0.000492721
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	55 PM10	0.00071762
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	55 PM2_5	0.000659825
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	60 HC	0.001347511
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	60 CO	0.167269051
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	60 NOx	0.00264498
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	60 SOx	0.001214362
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	60 PM	0.000862366
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	60 TOG	0.001458982
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	60 ROG	0.000999852
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	60 CO2	121.4209864
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	60 CH4	0.000454861
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	60 PM10	0.000770955
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	60 PM2_5	0.000708865
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	65 HC	0.0012376
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	65 CO	0.157788017
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	65 NOx	0.002511891
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	65 SOx	0.001165927
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	65 PM	0.000977374
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	65 TOG	0.001339978
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	65 ROG	0.000918298
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	65 CO2	116.5828335
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	65 CH4	0.000422608
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	65 PM10	0.000873773
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	65 PM2_5	0.000803402
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	70 HC	0.001143847
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	70 CO	0.149489739
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	70 NOx	0.002394648
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	70 SOx	0.001122809
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	70 PM	0.001061595
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	70 TOG	0.00123847
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	70 ROG	0.000848733
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	70 CO2	112.2754457
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	70 CH4	0.000394788
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	70 PM10	0.000949066
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	70 PM2_5	0.000872631
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	75 HC	0.001143847
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	75 CO	0.149489739
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	75 NOx	0.002394648

2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	75 SOx	0.001122809
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	75 PM	0.001061595
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	75 TOG	0.00123847
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	75 ROG	0.000848733
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	75 CO2	112.2754457
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	75 CH4	0.000394788
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	75 PM10	0.000949066
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	75 PM2_5	0.000872631
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	80 HC	0.001143847
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	80 CO	0.149489739
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	80 NOx	0.002394648
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	80 SOx	0.001122809
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	80 PM	0.001061595
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	80 TOG	0.00123847
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	80 ROG	0.000848733
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	80 CO2	112.2754457
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	80 CH4	0.000394788
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	80 PM10	0.000949066
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	80 PM2_5	0.000872631
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	85 HC	0.001143847
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	85 CO	0.149489739
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	85 NOx	0.002394648
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	85 SOx	0.001122809
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	85 PM	0.001061595
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	85 TOG	0.00123847
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	85 ROG	0.000848733
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	85 CO2	112.2754457
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	85 CH4	0.000394788
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	85 PM10	0.000949066
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	85 PM2_5	0.000872631
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	90 HC	0.001143847
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	90 CO	0.149489739
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	90 NOx	0.002394648
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	90 SOx	0.001122809
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	90 PM	0.001061595
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	90 TOG	0.00123847
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	90 ROG	0.000848733
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	90 CO2	112.2754457
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	90 CH4	0.000394788
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	90 PM10	0.000949066
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	90 PM2_5	0.000872631
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	5 HC	0.013109841
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	5 CO	0.128474163
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	5 NOx	0.011740144
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	5 SOx	5.66E-05
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	5 PM	0.0001232
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	5 TOG	0.013683011
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	5 ROG	0.012497337
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	5 CO2	5.440522086
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	5 CH4	0.003081538
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	5 PM10	0.000110141
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	5 PM2_5	0.000101271
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	10 HC	0.017357689
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	10 CO	0.16790046
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	10 NOx	0.014263996
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	10 SOx	6.36E-05
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	10 PM	0.00024406
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	10 TOG	0.018116577
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	10 ROG	0.016546722
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	10 CO2	6.07266179
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	10 CH4	0.003950133
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	10 PM10	0.000218189
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	10 PM2_5	0.000200617
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	20 HC	0.025853386

2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	20 CO	0.246753054
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	20 NOx	0.019311702
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	20 SOx	7.99E-05
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	20 PM	0.000478757
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	20 TOG	0.02698371
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	20 ROG	0.024645491
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	20 CO2	7.562111868
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	20 CH4	0.005601773
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	20 PM10	0.000428009
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	20 PM2_5	0.000393538
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	30 HC	0.034349082
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	30 CO	0.325605649
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	30 NOx	0.024359408
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	30 SOx	9.92E-05
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	30 PM	0.000704092
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	30 TOG	0.035850844
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	30 ROG	0.03274426
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	30 CO2	9.351789508
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	30 CH4	0.007177504
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	30 PM10	0.000629458
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	30 PM2_5	0.000578764
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	40 HC	0.042844778
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	40 CO	0.404458243
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	40 NOx	0.029407113
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	40 SOx	0.000121437
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	40 PM	0.000920065
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	40 TOG	0.044717977
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	40 ROG	0.04084303
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	40 CO2	11.44169471
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	40 CH4	0.008699728
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	40 PM10	0.000822538
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	40 PM2_5	0.000756293
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	50 HC	0.051340475
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	50 CO	0.483310838
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	50 NOx	0.034454819
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	50 SOx	0.000146708
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	50 PM	0.001126675
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	50 TOG	0.05358511
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	50 ROG	0.048941799
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	50 CO2	13.83182747
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	50 CH4	0.01018079
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	50 PM10	0.001007248
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	50 PM2_5	0.000926127
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	60 HC	0.059836171
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	60 CO	0.562163432
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	60 NOx	0.039502525
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	60 SOx	0.000174975
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	60 PM	0.001323923
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	60 TOG	0.062452243
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	60 ROG	0.057040569
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	60 CO2	16.52218779
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	60 CH4	0.011628534
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	60 PM10	0.001183587
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	60 PM2_5	0.001088265
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	120 HC	0.110810349
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	120 CO	1.035279
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	120 NOx	0.069788758
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	120 SOx	0.000405755
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	120 PM	0.00219652
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	120 TOG	0.115655042
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	120 ROG	0.105633185
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	120 CO2	38.79510536
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	120 CH4	0.019840255
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	120 PM10	0.001963689

2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	120 PM2_5	0.001805539
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	180 HC	0.162271756
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	180 CO	1.451978713
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	180 NOx	0.062368921
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	180 SOx	0.000456047
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	180 PM	0.002463168
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	180 TOG	0.169366371
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	180 ROG	0.154690267
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	180 CO2	43.99908488
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	180 CH4	0.027470639
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	180 PM10	0.002202072
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	180 PM2_5	0.002024724
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	240 HC	0.165565523
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	240 CO	1.415009017
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	240 NOx	0.069132847
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	240 SOx	0.000507706
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	240 PM	0.002699918
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	240 TOG	0.172804144
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	240 ROG	0.157830146
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	240 CO2	49.2030644
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	240 CH4	0.028042206
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	240 PM10	0.002413727
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	240 PM2_5	0.002219332
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	300 HC	0.168859291
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	300 CO	1.378039322
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	300 NOx	0.075896774
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	300 SOx	0.000559364
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	300 PM	0.00290677
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	300 TOG	0.176241917
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	300 ROG	0.160970026
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	300 CO2	54.40704392
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	300 CH4	0.028605157
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	300 PM10	0.002598652
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	300 PM2_5	0.002389365
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	360 HC	0.172153058
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	360 CO	1.341069626
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	360 NOx	0.0826607
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	360 SOx	0.000611023
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	360 PM	0.003083724
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	360 TOG	0.17967969
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	360 ROG	0.164109906
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	360 CO2	59.61102344
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	360 CH4	0.029160848
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	360 PM10	0.002756849
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	360 PM2_5	0.002534821
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	420 HC	0.175446826
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	420 CO	1.304099931
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	420 NOx	0.089424626
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	420 SOx	0.000662682
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	420 PM	0.003230779
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	420 TOG	0.183117463
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	420 ROG	0.167249785
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	420 CO2	64.81500296
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	420 CH4	0.029710272
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	420 PM10	0.002888317
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	420 PM2_5	0.002655701
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	480 HC	0.178740593
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	480 CO	1.267130235
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	480 NOx	0.096188552
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	480 SOx	0.000714341
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	480 PM	0.003347937
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	480 TOG	0.186555235
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	480 ROG	0.170389665
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	480 CO2	70.01898248

2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	480 CH4	0.030254189
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	480 PM10	0.002993056
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	480 PM2_5	0.002752004
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	540 HC	0.182034361
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	540 CO	1.23016054
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	540 NOx	0.102952479
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	540 SOx	0.000766
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	540 PM	0.003435197
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	540 TOG	0.189993008
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	540 ROG	0.173529544
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	540 CO2	75.222962
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	540 CH4	0.030793198
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	540 PM10	0.003071066
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	540 PM2_5	0.002823732
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	600 HC	0.185328128
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	600 CO	1.193190844
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	600 NOx	0.109716405
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	600 SOx	0.000817659
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	600 PM	0.003492559
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	600 TOG	0.193430781
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	600 ROG	0.176669424
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	600 CO2	80.42694152
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	600 CH4	0.03132778
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	600 PM10	0.003122347
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	600 PM2_5	0.002870883
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	660 HC	0.188621896
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	660 CO	1.156221148
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	660 NOx	0.116480331
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	660 SOx	0.000869318
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	660 PM	0.003520022
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	660 TOG	0.196868554
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	660 ROG	0.179809303
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	660 CO2	85.63092104
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	660 CH4	0.031858335
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	660 PM10	0.0031469
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	660 PM2_5	0.002893458
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	720 HC	0.200569399
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	720 CO	1.13877901
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	720 NOx	0.131965964
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	720 SOx	0.000921346
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	720 PM	0.00351758
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	720 TOG	0.209338409
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	720 ROG	0.191198608
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	720 CO2	90.83491509
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	720 CH4	0.033867082
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	720 PM10	0.003144717
2020 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	720 PM2_5	0.002891451
2020 Annual	San Mateo (SF)	NonTruck	Phe		HOTSOAK	HC	0.014765264
2020 Annual	San Mateo (SF)	NonTruck	Phe		HOTSOAK	TOG	0.015785976
2020 Annual	San Mateo (SF)	NonTruck	Phe		HOTSOAK	ROG	0.015785976
2020 Annual	San Mateo (SF)	NonTruck	Phe		RUNLOSS	HC	0.182724348
2020 Annual	San Mateo (SF)	NonTruck	Phe		RUNLOSS	TOG	0.195355947
2020 Annual	San Mateo (SF)	NonTruck	Phe		RUNLOSS	ROG	0.195355947
2020 Annual	San Mateo (SF)	NonTruck	Phe		DIURN	HC	0.017167217
2020 Annual	San Mateo (SF)	NonTruck	Phe		DIURN	TOG	0.01864641
2020 Annual	San Mateo (SF)	NonTruck	Phe		DIURN	ROG	0.01864641
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMTW	PM	0.008
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMTW	PM10	0.008
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMTW	PM2_5	0.002
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	5 PM	0.001324254
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	5 PM10	0.001324254
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	5 PM2_5	0.000463489
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	10 PM	0.002343166
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	10 PM10	0.002343166

2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	10 PM2_5	0.000820108
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	15 PM	0.003362079
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	15 PM10	0.003362079
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	15 PM2_5	0.001176728
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	20 PM	0.00438431
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	20 PM10	0.00438431
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	20 PM2_5	0.001534508
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	25 PM	0.004988356
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	25 PM10	0.004988356
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	25 PM2_5	0.001745924
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	30 PM	0.005177535
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	30 PM10	0.005177535
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	30 PM2_5	0.001812137
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	35 PM	0.005370033
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	35 PM10	0.005370033
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	35 PM2_5	0.001879511
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	40 PM	0.004958485
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	40 PM10	0.004958485
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	40 PM2_5	0.00173547
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	45 PM	0.003939573
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	45 PM10	0.003939573
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	45 PM2_5	0.001378851
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	50 PM	0.00292398
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	50 PM10	0.00292398
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	50 PM2_5	0.001023393
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	55 PM	0.002157306
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	55 PM10	0.002157306
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	55 PM2_5	0.000755057
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	60 PM	0.001639553
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	60 PM10	0.001639553
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	60 PM2_5	0.000573843
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	65 PM	0.001125118
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	65 PM10	0.001125118
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	65 PM2_5	0.000393791
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	70 PM	0.001125118
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	70 PM10	0.001125118
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	70 PM2_5	0.000393791
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	75 PM	0.001125118
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	75 PM10	0.001125118
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	75 PM2_5	0.000393791
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	80 PM	0.001125118
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	80 PM10	0.001125118
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	80 PM2_5	0.000393791
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	85 PM	0.001125118
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	85 PM10	0.001125118
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	85 PM2_5	0.000393791
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	90 PM	0.001125118
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	90 PM10	0.001125118
2020 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	90 PM2_5	0.000393791
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	5 HC	0.37044361
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	5 CO	1.466942338
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	5 NOx	2.553339435
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	5 SOx	0.012217792
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	5 PM	0.106706506
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	5 TOG	0.534068553
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	5 ROG	0.469125817
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	5 CO2	1280.164521
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	5 CH4	0.021789997
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	5 PM10	0.106066267
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	5 PM2_5	0.101477887
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	10 HC	0.297743525
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	10 CO	1.148793246
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	10 NOx	2.401810916
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	10 SOx	0.010591912

2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	10 PM	0.085321861
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	10 TOG	0.429256839
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	10 ROG	0.377059208
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	10 CO2	1109.806894
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	10 CH4	0.017513679
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	10 PM10	0.08480993
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	10 PM2_5	0.08114109
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	15 HC	0.243649511
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	15 CO	0.913043912
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	15 NOx	2.27341941
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	15 SOx	0.008816586
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	15 PM	0.069131331
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	15 TOG	0.3512695
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	15 ROG	0.308555129
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	15 CO2	923.7905522
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	15 CH4	0.014331796
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	15 PM10	0.068716543
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	15 PM2_5	0.065743895
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	20 HC	0.201739835
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	20 CO	0.731985454
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	20 NOx	2.168082209
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	20 SOx	0.007621522
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	20 PM	0.056478868
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	20 TOG	0.29084832
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	20 ROG	0.255481165
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	20 CO2	798.5732148
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	20 CH4	0.011866612
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	20 PM10	0.056139995
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	20 PM2_5	0.053711404
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	25 HC	0.168393887
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	25 CO	0.590204086
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	25 NOx	2.085709307
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	25 SOx	0.00663123
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	25 PM	0.046430786
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	25 TOG	0.242773467
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	25 ROG	0.213252213
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	25 CO2	694.8116915
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	25 CH4	0.009905158
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	25 PM10	0.046152202
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	25 PM2_5	0.044155678
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	30 HC	0.141520856
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	30 CO	0.478988087
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	30 NOx	2.026205835
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	30 SOx	0.005814988
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	30 PM	0.038447904
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	30 TOG	0.204030618
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	30 ROG	0.179220495
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	30 CO2	609.2869655
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	30 CH4	0.008324449
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	30 PM10	0.038217216
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	30 PM2_5	0.036563956
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	35 HC	0.119895737
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	35 CO	0.393462538
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	35 NOx	1.989455028
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	35 SOx	0.005224996
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	35 PM	0.032214314
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	35 TOG	0.172853684
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	35 ROG	0.151834676
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	35 CO2	547.4683524
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	35 CH4	0.00705243
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	35 PM10	0.032021028
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	35 PM2_5	0.030635813
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	40 HC	0.102803888
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	40 CO	0.331110361

2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	40 NOx	1.975343775
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	40 SOx	0.004756958
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	40 PM	0.027545725
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	40 TOG	0.148212365
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	40 ROG	0.130189741
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	40 CO2	498.4278875
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	40 CH4	0.006047065
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	40 PM10	0.027380451
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	40 PM2_5	0.026195985
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	45 HC	0.089849945
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	45 CO	0.291064222
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	45 NOx	1.983762605
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	45 SOx	0.004436028
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	45 PM	0.02434018
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	45 TOG	0.129536665
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	45 ROG	0.113785007
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	45 CO2	464.8013293
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	45 CH4	0.005285096
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	45 PM10	0.024194138
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	45 PM2_5	0.023147511
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	50 HC	0.08085903
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	50 CO	0.273870317
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	50 NOx	2.014565565
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	50 SOx	0.004315577
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	50 PM	0.02255258
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	50 TOG	0.116574464
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	50 ROG	0.102399009
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	50 CO2	452.1806073
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	50 CH4	0.004756238
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	50 PM10	0.022417264
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	50 PM2_5	0.021447503
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	55 HC	0.075834972
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	55 CO	0.281634567
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	55 NOx	2.067618865
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	55 SOx	0.004339363
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	55 PM	0.022183913
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	55 TOG	0.109331279
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	55 ROG	0.096036595
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	55 CO2	454.6729165
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	55 CH4	0.004460716
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	55 PM10	0.022050809
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	55 PM2_5	0.021096901
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	60 HC	0.074961053
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	60 CO	0.318616472
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	60 NOx	2.14277655
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	60 SOx	0.004481611
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	60 PM	0.023281444
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	60 TOG	0.10807135
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	60 ROG	0.094929874
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	60 CO2	469.5774785
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	60 CH4	0.004409311
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	60 PM10	0.023141755
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	60 PM2_5	0.022140653
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	65 HC	0.078644262
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	65 CO	0.392484911
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	65 NOx	2.239892665
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	65 SOx	0.004770944
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	65 PM	0.025950128
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	65 TOG	0.113381432
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	65 ROG	0.09959425
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	65 CO2	499.8933565
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	65 CH4	0.004625963
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	65 PM10	0.025794427
2020 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	65 PM2_5	0.024678571

2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	5 TOG	0.21565617
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	5 ROG	0.148111567
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	5 CO2	1638.280179
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	5 CH4	0.028553772
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	5 PM10	0.004709027
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	5 PM2_5	0.004330195
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	10 HC	0.133533876
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	10 CO	2.034222661
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	10 NOx	0.243428465
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	10 SOx	0.01385078
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	10 PM	0.003675569
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	10 TOG	0.144570627
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	10 ROG	0.099298637
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	10 CO2	1384.219908
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	10 CH4	0.020293681
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	10 PM10	0.003286544
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	10 PM2_5	0.003022147
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	15 HC	0.09382869
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	15 CO	1.625454629
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	15 NOx	0.220460725
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	15 SOx	0.011706019
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	15 PM	0.002695944
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	15 TOG	0.101583507
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	15 ROG	0.069778608
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	15 CO2	1170.094033
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	15 CH4	0.014974297
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	15 PM10	0.002410599
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	15 PM2_5	0.002216669
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	20 HC	0.068876118
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	20 CO	1.32392173
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	20 NOx	0.203032694
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	20 SOx	0.009934444
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	20 PM	0.002064569
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	20 TOG	0.074568441
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	20 ROG	0.051226314
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	20 CO2	993.1403394
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	20 CH4	0.011425567
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	20 PM10	0.001846049
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	20 PM2_5	0.001697536
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	25 HC	0.05271292
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	25 CO	1.101151508
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	25 NOx	0.190060332
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	25 SOx	0.008510582
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	25 PM	0.00164451
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	25 TOG	0.057069251
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	25 ROG	0.039208902
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	25 CO2	850.8728352
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	25 CH4	0.008991815
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	25 PM10	0.001470451
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	25 PM2_5	0.001352154
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	30 HC	0.042061791
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	30 CO	0.940871372
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	30 NOx	0.180745778
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	30 SOx	0.007403738
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	30 PM	0.001362051
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	30 TOG	0.045537728
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	30 ROG	0.031289918
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	30 CO2	740.2530851
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	30 CH4	0.007297097
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	30 PM10	0.00121789
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	30 PM2_5	0.001119913
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	35 HC	0.035077085
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	35 CO	0.833812303
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	35 NOx	0.174515412

2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	35 SOx	0.006586134
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	35 PM	0.001176406
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	35 TOG	0.037975675
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	35 ROG	0.026097143
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	35 CO2	658.5188744
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	35 CH4	0.00612338
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	35 PM10	0.001051896
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	35 PM2_5	0.000967274
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	40 HC	0.030708734
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	40 CO	0.77502627
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	40 NOx	0.170959982
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	40 SOx	0.00603009
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	40 PM	0.001064639
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	40 TOG	0.033246226
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	40 ROG	0.02284982
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	40 CO2	602.9079899
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	40 CH4	0.005346065
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	40 PM10	0.00095196
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	40 PM2_5	0.000875378
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	45 HC	0.02837409
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	45 CO	0.762599704
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	45 NOx	0.16980276
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	45 SOx	0.005707991
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	45 PM	0.001014006
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	45 TOG	0.030718576
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	45 ROG	0.021114738
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	45 CO2	570.6582168
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	45 CH4	0.004900173
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	45 PM10	0.000906687
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	45 PM2_5	0.000833747
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	50 HC	0.027789971
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	50 CO	0.797218456
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	50 NOx	0.170874326
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	50 SOx	0.005595032
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	50 PM	0.001018049
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	50 TOG	0.030086134
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	50 ROG	0.020681384
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	50 CO2	559.2835631
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	50 CH4	0.004762159
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	50 PM10	0.000910301
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	50 PM2_5	0.000837071
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	55 HC	0.028895192
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	55 CO	0.882425865
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	55 NOx	0.174100892
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	55 SOx	0.005660948
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	55 PM	0.001074737
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	55 TOG	0.031282653
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	55 ROG	0.021504365
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	55 CO2	565.7455927
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	55 CH4	0.004932826
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	55 PM10	0.000960988
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	55 PM2_5	0.00088368
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	60 HC	0.031833131
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	60 CO	1.025690365
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	60 NOx	0.179497597
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	60 SOx	0.005878302
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	60 PM	0.001185894
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	60 TOG	0.034463355
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	60 ROG	0.023690482
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	60 CO2	587.2820923
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	60 CH4	0.005422201
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	60 PM10	0.001060379
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	60 PM2_5	0.000975074
2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	65 HC	0.036987655

2020 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	90 PM2_5	0.001265172
2020 Annual	San Mateo (SF)	Truck1	Gas		IDLEX	HC	25.00773924
2020 Annual	San Mateo (SF)	Truck1	Gas		IDLEX	CO	153.9723358
2020 Annual	San Mateo (SF)	Truck1	Gas		IDLEX	NOx	1.619863703
2020 Annual	San Mateo (SF)	Truck1	Gas		IDLEX	SOx	0.050223672
2020 Annual	San Mateo (SF)	Truck1	Gas		IDLEX	TOG	27.07639722
2020 Annual	San Mateo (SF)	Truck1	Gas		IDLEX	ROG	18.55703153
2020 Annual	San Mateo (SF)	Truck1	Gas		IDLEX	CO2	4711.679945
2020 Annual	San Mateo (SF)	Truck1	Gas		IDLEX	CH4	2.422385629
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	5 HC	0.046826963
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	5 CO	0.698940871
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	5 NOx	0.592030434
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	5 SOx	9.09E-05
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	5 PM	0.000118417
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	5 TOG	0.048877106
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	5 ROG	0.044646355
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	5 CO2	7.875732713
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	5 CH4	0.01029267
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	5 PM10	0.000106165
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	5 PM2_5	9.78E-05
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	10 HC	0.091551678
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	10 CO	1.379123546
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	10 NOx	0.651774997
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	10 SOx	0.000120239
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	10 PM	0.000227451
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	10 TOG	0.095557187
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	10 ROG	0.087281428
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	10 CO2	9.625693894
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	10 CH4	0.018418685
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	10 PM10	0.000203607
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	10 PM2_5	0.000187342
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	20 HC	0.176174569
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	20 CO	2.683316122
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	20 NOx	0.758289689
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	20 SOx	0.000180674
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	20 PM	0.000432466
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	20 TOG	0.183879866
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	20 ROG	0.167950726
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	20 CO2	13.39581281
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	20 CH4	0.032508586
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	20 PM10	0.00038683
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	20 PM2_5	0.000355778
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	30 HC	0.254362073
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	30 CO	3.912611665
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	30 NOx	0.847505136
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	30 SOx	0.000243344
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	30 PM	0.000620075
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	30 TOG	0.265485902
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	30 ROG	0.24248556
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	30 CO2	17.52619381
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	30 CH4	0.044741196
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	30 PM10	0.000554502
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	30 PM2_5	0.000509922
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	40 HC	0.326114193
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	40 CO	5.067010176
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	40 NOx	0.919421336
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	40 SOx	0.000308252
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	40 PM	0.000790279
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	40 TOG	0.340375294
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	40 ROG	0.310885932
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	40 CO2	22.01683688
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	40 CH4	0.055565385
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	40 PM10	0.000706625
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	40 PM2_5	0.000649774

2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	50 HC	0.391430926
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	50 CO	6.146511654
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	50 NOx	0.974038291
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	50 SOx	0.000375396
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	50 PM	0.000943077
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	50 TOG	0.408548042
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	50 ROG	0.37315184
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	50 CO2	26.86774202
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	50 CH4	0.065187264
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	50 PM10	0.000843199
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	50 PM2_5	0.000775334
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	60 HC	0.45026269
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	60 CO	7.1511161
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	60 NOx	1.011355999
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	60 SOx	0.000444775
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	60 PM	0.001078469
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	60 TOG	0.469952104
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	60 ROG	0.429235283
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	60 CO2	32.07890924
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	60 CH4	0.073718836
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	60 PM10	0.000964222
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	60 PM2_5	0.000886602
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	120 HC	0.761871785
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	120 CO	13.2161859
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	120 NOx	1.072529265
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	120 SOx	0.000874133
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	120 PM	0.00151401
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	120 TOG	0.795186758
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	120 ROG	0.726290337
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	120 CO2	68.13728778
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	120 CH4	0.116740346
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	120 PM10	0.001353716
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	120 PM2_5	0.001244787
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	180 HC	0.924025358
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	180 CO	19.86179304
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	180 NOx	1.06208698
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	180 SOx	0.000992004
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	180 PM	0.001577901
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	180 TOG	0.964430266
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	180 ROG	0.880869175
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	180 CO2	78.16274449
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	180 CH4	0.138765669
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	180 PM10	0.001410945
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	180 PM2_5	0.001297462
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	240 HC	0.980458956
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	240 CO	21.41041512
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	240 NOx	1.054481862
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	240 SOx	0.001106211
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	240 PM	0.001640216
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	240 TOG	1.023331659
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	240 ROG	0.934667374
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	240 CO2	87.98667445
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	240 CH4	0.146086968
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	240 PM10	0.001466754
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	240 PM2_5	0.001348825
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	300 HC	1.036143742
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	300 CO	22.78851936
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	300 NOx	1.042474049
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	300 SOx	0.001216755
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	300 PM	0.001700956
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	300 TOG	1.081451504
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	300 ROG	0.987751748
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	300 CO2	97.60907765
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	300 CH4	0.153259874

2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	300 PM10	0.001521142
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	300 PM2_5	0.001398877
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	360 HC	1.091079718
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	360 CO	23.99610577
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	360 NOx	1.026063541
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	360 SOx	0.001323635
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	360 PM	0.001760119
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	360 TOG	1.138789799
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	360 ROG	1.040122296
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	360 CO2	107.0299541
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	360 CH4	0.16028972
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	360 PM10	0.00157411
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	360 PM2_5	0.001447616
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	420 HC	1.145266883
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	420 CO	25.03317434
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	420 NOx	1.005250337
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	420 SOx	0.001426853
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	420 PM	0.001817707
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	420 TOG	1.195346546
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	420 ROG	1.091779018
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	420 CO2	116.2493038
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	420 CH4	0.167181206
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	420 PM10	0.001625657
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	420 PM2_5	0.001495044
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	480 HC	1.198705238
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	480 CO	25.89972508
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	480 NOx	0.980034438
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	480 SOx	0.001526406
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	480 PM	0.00187372
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	480 TOG	1.251121743
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	480 ROG	1.142721915
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	480 CO2	125.2671267
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	480 CH4	0.173938499
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	480 PM10	0.001675784
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	480 PM2_5	0.00154116
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	540 HC	1.251394782
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	540 CO	26.59575799
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	540 NOx	0.950415844
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	540 SOx	0.001622296
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	540 PM	0.001928157
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	540 TOG	1.306115391
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	540 ROG	1.192950987
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	540 CO2	134.0834229
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	540 CH4	0.180565317
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	540 PM10	0.001724491
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	540 PM2_5	0.001585964
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	600 HC	1.303335515
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	600 CO	27.12127306
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	600 NOx	0.916394555
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	600 SOx	0.001714523
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	600 PM	0.001981018
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	600 TOG	1.36032749
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	600 ROG	1.242466233
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	600 CO2	142.6981924
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	600 CH4	0.187064991
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	600 PM10	0.001771778
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	600 PM2_5	0.001629457
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	660 HC	1.354527438
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	660 CO	27.4762703
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	660 NOx	0.87797057
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	660 SOx	0.001803086
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	660 PM	0.002032304
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	660 TOG	1.41375804
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	660 ROG	1.291267653

2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	660 CO2	151.1114351
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	660 CH4	0.193440524
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	660 PM10	0.001817644
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	660 PM2_5	0.001671638
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	720 HC	1.406117717
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	720 CO	27.66723916
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	720 NOx	0.839700995
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	720 SOx	0.001888933
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	720 PM	0.002083652
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	720 TOG	1.467604366
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	720 ROG	1.340448826
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	720 CO2	159.4091427
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	720 CH4	0.199829166
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	720 PM10	0.001863555
2020 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	720 PM2_5	0.001713853
2020 Annual	San Mateo (SF)	Truck1	Gas		HOTSOAK	HC	0.043947525
2020 Annual	San Mateo (SF)	Truck1	Gas		HOTSOAK	TOG	0.046985585
2020 Annual	San Mateo (SF)	Truck1	Gas		HOTSOAK	ROG	0.046985585
2020 Annual	San Mateo (SF)	Truck1	Gas		RUNLOSS	HC	2.092498059
2020 Annual	San Mateo (SF)	Truck1	Gas		RUNLOSS	TOG	2.237150913
2020 Annual	San Mateo (SF)	Truck1	Gas		RUNLOSS	ROG	2.237150913
2020 Annual	San Mateo (SF)	Truck1	Gas		DIURN	HC	0.101984924
2020 Annual	San Mateo (SF)	Truck1	Gas		DIURN	TOG	0.110772335
2020 Annual	San Mateo (SF)	Truck1	Gas		DIURN	ROG	0.110772335
2020 Annual	San Mateo (SF)	Truck1	Gas		PMTW	PM	0.008
2020 Annual	San Mateo (SF)	Truck1	Gas		PMTW	PM10	0.008
2020 Annual	San Mateo (SF)	Truck1	Gas		PMTW	PM2_5	0.002
2020 Annual	San Mateo (SF)	Truck1	Gas		PMBW	5 PM	0.079273129
2020 Annual	San Mateo (SF)	Truck1	Gas		PMBW	5 PM10	0.079273129
2020 Annual	San Mateo (SF)	Truck1	Gas		PMBW	5 PM2_5	0.027745595
2020 Annual	San Mateo (SF)	Truck1	Gas		PMBW	10 PM	0.079273129
2020 Annual	San Mateo (SF)	Truck1	Gas		PMBW	10 PM10	0.079273129
2020 Annual	San Mateo (SF)	Truck1	Gas		PMBW	10 PM2_5	0.027745595
2020 Annual	San Mateo (SF)	Truck1	Gas		PMBW	15 PM	0.079273129
2020 Annual	San Mateo (SF)	Truck1	Gas		PMBW	15 PM10	0.079273129
2020 Annual	San Mateo (SF)	Truck1	Gas		PMBW	15 PM2_5	0.027745595
2020 Annual	San Mateo (SF)	Truck1	Gas		PMBW	20 PM	0.079273129
2020 Annual	San Mateo (SF)	Truck1	Gas		PMBW	20 PM10	0.079273129
2020 Annual	San Mateo (SF)	Truck1	Gas		PMBW	20 PM2_5	0.027745595
2020 Annual	San Mateo (SF)	Truck1	Gas		PMBW	25 PM	0.079273129
2020 Annual	San Mateo (SF)	Truck1	Gas		PMBW	25 PM10	0.079273129
2020 Annual	San Mateo (SF)	Truck1	Gas		PMBW	25 PM2_5	0.027745595
2020 Annual	San Mateo (SF)	Truck1	Gas		PMBW	30 PM	0.079273129
2020 Annual	San Mateo (SF)	Truck1	Gas		PMBW	30 PM10	0.079273129
2020 Annual	San Mateo (SF)	Truck1	Gas		PMBW	30 PM2_5	0.027745595
2020 Annual	San Mateo (SF)	Truck1	Gas		PMBW	35 PM	0.079273129
2020 Annual	San Mateo (SF)	Truck1	Gas		PMBW	35 PM10	0.079273129
2020 Annual	San Mateo (SF)	Truck1	Gas		PMBW	35 PM2_5	0.027745595
2020 Annual	San Mateo (SF)	Truck1	Gas		PMBW	40 PM	0.079273129
2020 Annual	San Mateo (SF)	Truck1	Gas		PMBW	40 PM10	0.079273129
2020 Annual	San Mateo (SF)	Truck1	Gas		PMBW	40 PM2_5	0.027745595
2020 Annual	San Mateo (SF)	Truck1	Gas		PMBW	45 PM	0.079273129
2020 Annual	San Mateo (SF)	Truck1	Gas		PMBW	45 PM10	0.079273129
2020 Annual	San Mateo (SF)	Truck1	Gas		PMBW	45 PM2_5	0.027745595
2020 Annual	San Mateo (SF)	Truck1	Gas		PMBW	50 PM	0.079273129
2020 Annual	San Mateo (SF)	Truck1	Gas		PMBW	50 PM10	0.079273129
2020 Annual	San Mateo (SF)	Truck1	Gas		PMBW	50 PM2_5	0.027745595
2020 Annual	San Mateo (SF)	Truck1	Gas		PMBW	55 PM	0.079273129
2020 Annual	San Mateo (SF)	Truck1	Gas		PMBW	55 PM10	0.079273129
2020 Annual	San Mateo (SF)	Truck1	Gas		PMBW	55 PM2_5	0.027745595
2020 Annual	San Mateo (SF)	Truck1	Gas		PMBW	60 PM	0.079273129
2020 Annual	San Mateo (SF)	Truck1	Gas		PMBW	60 PM10	0.079273129
2020 Annual	San Mateo (SF)	Truck1	Gas		PMBW	60 PM2_5	0.027745595
2020 Annual	San Mateo (SF)	Truck1	Gas		PMBW	65 PM	0.079273129

2020 Annual	San Mateo (SF)	Truck1	Gas			PMBW	65 PM10	0.079273129
2020 Annual	San Mateo (SF)	Truck1	Gas			PMBW	65 PM2_5	0.027745595
2020 Annual	San Mateo (SF)	Truck1	Gas			PMBW	70 PM	0.079273129
2020 Annual	San Mateo (SF)	Truck1	Gas			PMBW	70 PM10	0.079273129
2020 Annual	San Mateo (SF)	Truck1	Gas			PMBW	70 PM2_5	0.027745595
2020 Annual	San Mateo (SF)	Truck1	Gas			PMBW	75 PM	0.079273129
2020 Annual	San Mateo (SF)	Truck1	Gas			PMBW	75 PM10	0.079273129
2020 Annual	San Mateo (SF)	Truck1	Gas			PMBW	75 PM2_5	0.027745595
2020 Annual	San Mateo (SF)	Truck1	Gas			PMBW	80 PM	0.079273129
2020 Annual	San Mateo (SF)	Truck1	Gas			PMBW	80 PM10	0.079273129
2020 Annual	San Mateo (SF)	Truck1	Gas			PMBW	80 PM2_5	0.027745595
2020 Annual	San Mateo (SF)	Truck1	Gas			PMBW	85 PM	0.079273129
2020 Annual	San Mateo (SF)	Truck1	Gas			PMBW	85 PM10	0.079273129
2020 Annual	San Mateo (SF)	Truck1	Gas			PMBW	85 PM2_5	0.027745595
2020 Annual	San Mateo (SF)	Truck1	Gas			PMBW	90 PM	0.079273129
2020 Annual	San Mateo (SF)	Truck1	Gas			PMBW	90 PM10	0.079273129
2020 Annual	San Mateo (SF)	Truck1	Gas			PMBW	90 PM2_5	0.027745595
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	5 HC	0.705468325
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	5 CO	1.825106754
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	5 NOx	9.769455158
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	5 SOx	0.027935739
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	5 PM	0.127022276
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	5 TOG	1.017073685
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	5 ROG	0.893405087
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	5 CO2	2928.131009
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	5 CH4	0.041496352
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	5 PM10	0.126260142
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	5 PM2_5	0.120798184
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	10 HC	0.528719683
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	10 CO	1.37961887
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	10 NOx	7.851591879
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	10 SOx	0.023934436
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	10 PM	0.10803494
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	10 TOG	0.762255166
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	10 ROG	0.669570606
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	10 CO2	2508.727797
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	10 CH4	0.03109982
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	10 PM10	0.10738673
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	10 PM2_5	0.102741228
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	15 HC	0.286130617
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	15 CO	0.879907596
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	15 NOx	5.641668252
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	15 SOx	0.019404335
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	15 PM	0.077222877
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	15 TOG	0.412514511
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	15 ROG	0.362355814
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	15 CO2	2033.897695
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	15 CH4	0.016830489
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	15 PM10	0.07725654
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	15 PM2_5	0.073914456
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	20 HC	0.152053304
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	20 CO	0.609801406
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	20 NOx	4.537453502
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	20 SOx	0.017022876
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	20 PM	0.057085551
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	20 TOG	0.219215249
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	20 ROG	0.192560305
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	20 CO2	1784.281143
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	20 CH4	0.008943927
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	20 PM10	0.056743037
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	20 PM2_5	0.054288359
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	25 HC	0.111277781
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	25 CO	0.47819066
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71	RUNEX	25 NOx	3.870874628

2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	25 SOx	0.015033134
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	25 PM	0.047827126
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	25 TOG	0.160429178
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	25 ROG	0.140922182
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	25 CO2	1575.722999
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	25 CH4	0.00654547
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	25 PM10	0.047540163
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	25 PM2_5	0.045483597
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	30 HC	0.089799575
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	30 CO	0.400017246
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	30 NOx	3.426317886
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	30 SOx	0.013849955
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	30 PM	0.04339383
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	30 TOG	0.129464047
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	30 ROG	0.113722181
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	30 CO2	1451.706086
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	30 CH4	0.005282101
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	30 PM10	0.043133467
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	30 PM2_5	0.041267533
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	35 HC	0.073144307
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	35 CO	0.338692777
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	35 NOx	3.081345929
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	35 SOx	0.012938762
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	35 PM	0.041213993
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	35 TOG	0.105452148
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	35 ROG	0.092629951
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	35 CO2	1356.197855
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	35 CH4	0.004302421
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	35 PM10	0.040966709
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	35 PM2_5	0.039194507
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	40 HC	0.060781197
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	40 CO	0.292446485
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	40 NOx	2.832822586
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	40 SOx	0.012285623
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	40 PM	0.041273926
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	40 TOG	0.087628252
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	40 ROG	0.076973308
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	40 CO2	1287.738067
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	40 CH4	0.003575211
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	40 PM10	0.041026283
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	40 PM2_5	0.039251504
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	45 HC	0.052307311
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	45 CO	0.259992096
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	45 NOx	2.678899644
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	45 SOx	0.011882003
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	45 PM	0.043571895
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	45 TOG	0.07541145
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	45 ROG	0.066241979
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	45 CO2	1245.431906
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	45 CH4	0.003076768
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	45 PM10	0.043310464
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	45 PM2_5	0.041436872
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	50 HC	0.047410907
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	50 CO	0.240404987
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	50 NOx	2.618425765
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	50 SOx	0.011722195
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	50 PM	0.048115211
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	50 TOG	0.068352305
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	50 ROG	0.060041173
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	50 CO2	1228.681371
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	50 CH4	0.002788757
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	50 PM10	0.04782652
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	50 PM2_5	0.045757566
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	55 HC	0.045844427

2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	55 CO	0.233031667
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	55 NOx	2.650665514
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	55 SOx	0.01181528
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	55 PM	0.054918788
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	55 TOG	0.06609391
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	55 ROG	0.058057382
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	55 CO2	1238.438295
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	55 CH4	0.002696615
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	55 PM10	0.054589275
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	55 PM2_5	0.052227767
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	60 HC	0.046785397
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	60 CO	0.234314945
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	60 NOx	2.764481384
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	60 SOx	0.012167238
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	60 PM	0.060316743
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	60 TOG	0.067450507
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	60 ROG	0.059249026
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	60 CO2	1275.329285
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	60 CH4	0.002751964
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	60 PM10	0.059954843
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	60 PM2_5	0.057361223
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	65 HC	0.048020729
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	65 CO	0.238540309
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	65 NOx	2.944150623
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	65 SOx	0.012753634
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	65 PM	0.062950273
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	65 TOG	0.069231485
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	65 ROG	0.060813451
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	65 CO2	1336.793354
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	65 CH4	0.002824627
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	65 PM10	0.062572571
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	65 PM2_5	0.059865709
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	70 HC	0.04804145
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	70 CO	0.238769323
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	70 NOx	2.944150623
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	70 SOx	0.012753634
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	70 PM	0.062950273
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	70 TOG	0.069261359
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	70 ROG	0.060839693
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	70 CO2	1336.793354
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	70 CH4	0.002825846
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	70 PM10	0.062572571
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	70 PM2_5	0.059865709
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	75 HC	0.048067279
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	75 CO	0.23908307
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	75 NOx	2.944150623
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	75 SOx	0.012753634
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	75 PM	0.062950273
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	75 TOG	0.069298596
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	75 ROG	0.060872402
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	75 CO2	1336.793354
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	75 CH4	0.002827365
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	75 PM10	0.062572571
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	75 PM2_5	0.059865709
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	80 HC	0.048098215
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	80 CO	0.239481549
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	80 NOx	2.944150623
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	80 SOx	0.012753634
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	80 PM	0.062950273
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	80 TOG	0.069343196
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	80 ROG	0.060911579
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	80 CO2	1336.793354
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	80 CH4	0.002829185
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	80 PM10	0.062572571

2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	80 PM2_5	0.059865709
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	85 HC	0.048134257
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	85 CO	0.239964759
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	85 NOx	2.944150623
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	85 SOx	0.012753634
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	85 PM	0.062950273
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	85 TOG	0.069395159
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	85 ROG	0.060957223
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	85 CO2	1336.793354
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	85 CH4	0.002831305
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	85 PM10	0.062572571
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	85 PM2_5	0.059865709
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	90 HC	0.048175407
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	90 CO	0.240532702
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	90 NOx	2.944150623
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	90 SOx	0.012753634
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	90 PM	0.062950273
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	90 TOG	0.069454484
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	90 ROG	0.06109335
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	90 CO2	1336.793354
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	90 CH4	0.002833726
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	90 PM10	0.062572571
2020 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	90 PM2_5	0.059865709
2020 Annual	San Mateo (SF)	Truck2	Dsl		IDLEX	HC	1.432899534
2020 Annual	San Mateo (SF)	Truck2	Dsl		IDLEX	CO	25.44244731
2020 Annual	San Mateo (SF)	Truck2	Dsl		IDLEX	NOx	49.51574366
2020 Annual	San Mateo (SF)	Truck2	Dsl		IDLEX	SOx	0.061387469
2020 Annual	San Mateo (SF)	Truck2	Dsl		IDLEX	PM	0.159624657
2020 Annual	San Mateo (SF)	Truck2	Dsl		IDLEX	TOG	2.065811258
2020 Annual	San Mateo (SF)	Truck2	Dsl		IDLEX	ROG	1.81462397
2020 Annual	San Mateo (SF)	Truck2	Dsl		IDLEX	CO2	6434.429829
2020 Annual	San Mateo (SF)	Truck2	Dsl		IDLEX	CH4	0.084284583
2020 Annual	San Mateo (SF)	Truck2	Dsl		IDLEX	PM10	0.158666909
2020 Annual	San Mateo (SF)	Truck2	Dsl		IDLEX	PM2_5	0.151803049
2020 Annual	San Mateo (SF)	Truck2	Dsl		STREX	5 NOx	0.054904469
2020 Annual	San Mateo (SF)	Truck2	Dsl		STREX	10 NOx	0.263264448
2020 Annual	San Mateo (SF)	Truck2	Dsl		STREX	20 NOx	0.931184075
2020 Annual	San Mateo (SF)	Truck2	Dsl		STREX	30 NOx	1.370575395
2020 Annual	San Mateo (SF)	Truck2	Dsl		STREX	40 NOx	1.693378088
2020 Annual	San Mateo (SF)	Truck2	Dsl		STREX	50 NOx	1.952028922
2020 Annual	San Mateo (SF)	Truck2	Dsl		STREX	60 NOx	2.169884634
2020 Annual	San Mateo (SF)	Truck2	Dsl		STREX	120 NOx	3.069876014
2020 Annual	San Mateo (SF)	Truck2	Dsl		STREX	180 NOx	3.665222525
2020 Annual	San Mateo (SF)	Truck2	Dsl		STREX	240 NOx	4.123245749
2020 Annual	San Mateo (SF)	Truck2	Dsl		STREX	300 NOx	4.496382454
2020 Annual	San Mateo (SF)	Truck2	Dsl		STREX	360 NOx	4.807989376
2020 Annual	San Mateo (SF)	Truck2	Dsl		STREX	420 NOx	5.070525707
2020 Annual	San Mateo (SF)	Truck2	Dsl		STREX	480 NOx	5.291428478
2020 Annual	San Mateo (SF)	Truck2	Dsl		STREX	540 NOx	5.475494723
2020 Annual	San Mateo (SF)	Truck2	Dsl		STREX	600 NOx	5.625999824
2020 Annual	San Mateo (SF)	Truck2	Dsl		STREX	660 NOx	5.745279978
2020 Annual	San Mateo (SF)	Truck2	Dsl		STREX	720 NOx	5.835060148
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMTW	PM	0.02119256
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMTW	PM10	0.02119256
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMTW	PM2_5	0.00529814
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	5 PM	0.095647728
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	5 PM10	0.095647728
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	5 PM2_5	0.033476705
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	10 PM	0.095647728
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	10 PM10	0.095647728
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	10 PM2_5	0.033476705
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	15 PM	0.09495829
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	15 PM10	0.09495829
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	15 PM2_5	0.033235402

2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	20 PM	0.093334962
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	20 PM10	0.093334962
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	20 PM2_5	0.032667237
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	25 PM	0.085831331
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	25 PM10	0.085831331
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	25 PM2_5	0.030040966
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	30 PM	0.081946076
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	30 PM10	0.081946076
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	30 PM2_5	0.028681127
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	35 PM	0.072856235
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	35 PM10	0.072856235
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	35 PM2_5	0.025499682
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	40 PM	0.067473615
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	40 PM10	0.067473615
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	40 PM2_5	0.023615765
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	45 PM	0.062090995
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	45 PM10	0.062090995
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	45 PM2_5	0.021731848
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	50 PM	0.058215508
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	50 PM10	0.058215508
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	50 PM2_5	0.020375428
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	55 PM	0.058215508
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	55 PM10	0.058215508
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	55 PM2_5	0.020375428
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	60 PM	0.058215508
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	60 PM10	0.058215508
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	60 PM2_5	0.020375428
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	65 PM	0.058215508
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	65 PM10	0.058215508
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	65 PM2_5	0.020375428
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	70 PM	0.058215508
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	70 PM10	0.058215508
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	70 PM2_5	0.020375428
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	75 PM	0.058215508
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	75 PM10	0.058215508
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	75 PM2_5	0.020375428
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	80 PM	0.058215508
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	80 PM10	0.058215508
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	80 PM2_5	0.020375428
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	85 PM	0.058215508
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	85 PM10	0.058215508
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	85 PM2_5	0.020375428
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	90 PM	0.058215508
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	90 PM10	0.058215508
2020 Annual	San Mateo (SF)	Truck2	Dsl		PMBW	90 PM2_5	0.020375428
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	5 HC	1.112947665
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	5 CO	7.729606846
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	5 NOx	1.579646146
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	5 SOx	0.040145508
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	5 PM	0.009429226
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	5 TOG	1.205014079
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	5 ROG	0.825805933
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	5 CO2	4006.626297
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	5 CH4	0.139747375
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	5 PM10	0.008429728
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	5 PM2_5	0.007750824
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	10 HC	0.708595363
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	10 CO	6.692558743
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	10 NOx	1.382290014
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	10 SOx	0.032589665
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	10 PM	0.005968143
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	10 TOG	0.767212525
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	10 ROG	0.525776973
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	10 CO2	3252.500444

2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	10 CH4	0.094423173
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	10 PM10	0.00533552
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	10 PM2_5	0.004905814
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	15 HC	0.475954301
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	15 CO	5.90842324
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	15 NOx	1.229826893
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	15 SOx	0.026655004
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	15 PM	0.00398526
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	15 TOG	0.515326688
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	15 ROG	0.353157563
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	15 CO2	2659.846244
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	15 CH4	0.066814131
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	15 PM10	0.003562823
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	15 PM2_5	0.003275884
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	20 HC	0.337206533
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	20 CO	5.292387216
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	20 NOx	1.1122717
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	20 SOx	0.022160478
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	20 PM	0.002807297
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	20 TOG	0.365101282
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	20 ROG	0.250206873
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	20 CO2	2210.91956
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	20 CH4	0.049506434
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	20 PM10	0.002509724
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	20 PM2_5	0.002307598
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	25 HC	0.251945596
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	25 CO	4.79486601
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	25 NOx	1.02237626
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	25 SOx	0.018944566
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	25 PM	0.002085886
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	25 TOG	0.272787301
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	25 ROG	0.186943353
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	25 CO2	1889.750667
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	25 CH4	0.038406532
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	25 PM10	0.001864782
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	25 PM2_5	0.001714598
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	30 HC	0.198477885
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	30 CO	4.385887311
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	30 NOx	0.95481002
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	30 SOx	0.01681128
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	30 PM	0.00163462
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	30 TOG	0.214896578
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	30 ROG	0.14727037
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	30 CO2	1676.821014
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	30 CH4	0.031192092
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	30 PM10	0.001461351
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	30 PM2_5	0.001343658
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	35 HC	0.164828064
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	35 CO	4.04691597
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	35 NOx	0.905747626
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	35 SOx	0.015582848
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	35 PM	0.001350906
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	35 TOG	0.178463143
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	35 ROG	0.122302241
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	35 CO2	1554.386464
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	35 CH4	0.026517335
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	35 PM10	0.00120771
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	35 PM2_5	0.001110445
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	40 HC	0.144272699
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	40 CO	3.766629829
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	40 NOx	0.872464181
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	40 SOx	0.015081794
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	40 PM	0.001177256
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	40 TOG	0.156207376

2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	40 ROG	0.107050183
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	40 CO2	1504.702879
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	40 CH4	0.023594541
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	40 PM10	0.001052467
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	40 PM2_5	0.000967704
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	45 HC	0.133075254
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	45 CO	3.538873698
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	45 NOx	0.853121946
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	45 SOx	0.015130824
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	45 PM	0.001081715
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	45 TOG	0.144083644
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	45 ROG	0.098741691
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	45 CO2	1510.02612
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	45 CH4	0.02197069
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	45 PM10	0.000967053
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	45 PM2_5	0.00088917
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	50 HC	0.12933186
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	50 CO	3.361913596
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	50 NOx	0.846607269
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	50 SOx	0.015570488
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	50 PM	0.001047887
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	50 TOG	0.140030584
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	50 ROG	0.095964097
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	50 CO2	1554.386464
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	50 CH4	0.021408503
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	50 PM10	0.000936811
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	50 PM2_5	0.000861363
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	55 HC	0.132419686
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	55 CO	3.23877751
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	55 NOx	0.852445277
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	55 SOx	0.01620604
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	55 PM	0.001070147
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	55 TOG	0.143373845
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	55 ROG	0.09825526
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	55 CO2	1618.26536
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	55 CH4	0.021827531
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	55 PM10	0.000956711
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	55 PM2_5	0.000879661
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	60 HC	0.142821233
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	60 CO	3.178848462
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	60 NOx	0.870758546
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	60 SOx	0.016860585
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	60 PM	0.001152054
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	60 TOG	0.15463584
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	60 ROG	0.105973197
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	60 CO2	1683.918669
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	60 CH4	0.023284688
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	60 PM10	0.001029936
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	60 PM2_5	0.000946988
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	65 HC	0.162253705
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	65 CO	3.201301902
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	65 NOx	0.902277549
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	65 SOx	0.017375139
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	65 PM	0.001307329
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	65 TOG	0.175675825
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	65 ROG	0.120392069
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	65 CO2	1735.376669
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	65 CH4	0.025987503
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	65 PM10	0.001168752
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	65 PM2_5	0.001074624
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	70 HC	0.176338944
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	70 CO	3.253669125
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	70 NOx	0.923396767
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	70 SOx	0.017535854

2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	70 PM	0.001420421
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	70 TOG	0.190926238
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	70 ROG	0.130843301
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	70 CO2	1751.346393
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	70 CH4	0.027923335
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	70 PM10	0.001269857
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	70 PM2_5	0.001167586
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	75 HC	0.176338944
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	75 CO	3.253669125
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	75 NOx	0.923396767
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	75 SOx	0.017535854
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	75 PM	0.001420421
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	75 TOG	0.190926238
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	75 ROG	0.130843301
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	75 CO2	1751.346393
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	75 CH4	0.027923335
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	75 PM10	0.001269857
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	75 PM2_5	0.001167586
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	80 HC	0.176338944
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	80 CO	3.253669125
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	80 NOx	0.923396767
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	80 SOx	0.017535854
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	80 PM	0.001420421
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	80 TOG	0.190926238
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	80 ROG	0.130843301
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	80 CO2	1751.346393
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	80 CH4	0.027923335
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	80 PM10	0.001269857
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	80 PM2_5	0.001167586
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	85 HC	0.176338944
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	85 CO	3.253669125
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	85 NOx	0.923396767
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	85 SOx	0.017535854
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	85 PM	0.001420421
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	85 TOG	0.190926238
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	85 ROG	0.130843301
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	85 CO2	1751.346393
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	85 CH4	0.027923335
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	85 PM10	0.001269857
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	85 PM2_5	0.001167586
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	90 HC	0.176338944
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	90 CO	3.253669125
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	90 NOx	0.923396767
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	90 SOx	0.017535854
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	90 PM	0.001420421
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	90 TOG	0.190926238
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	90 ROG	0.130843301
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	90 CO2	1751.346393
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	90 CH4	0.027923335
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	90 PM10	0.001269857
2020 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	90 PM2_5	0.001167586
2020 Annual	San Mateo (SF)	Truck2	Gas	60	IDLEX	HC	36.09162943
2020 Annual	San Mateo (SF)	Truck2	Gas	60	IDLEX	CO	400.8117907
2020 Annual	San Mateo (SF)	Truck2	Gas	60	IDLEX	NOx	2.346506934
2020 Annual	San Mateo (SF)	Truck2	Gas	60	IDLEX	SOx	0.145892688
2020 Annual	San Mateo (SF)	Truck2	Gas	60	IDLEX	TOG	39.0772387
2020 Annual	San Mateo (SF)	Truck2	Gas	60	IDLEX	ROG	26.77994899
2020 Annual	San Mateo (SF)	Truck2	Gas	60	IDLEX	CO2	13875.71848
2020 Annual	San Mateo (SF)	Truck2	Gas	60	IDLEX	CH4	3.328318229
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	5 HC	0.096299044
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	5 CO	1.8290255
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	5 NOx	0.263561414
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	5 SOx	9.60E-05
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	5 PM	0.000220749

2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	5 TOG	0.100509294
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	5 ROG	0.091799862
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	5 CO2	6.484287714
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	5 CH4	0.019408686
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	5 PM10	0.00019735
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	5 PM2_5	0.000181456
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	10 HC	0.187709071
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	10 CO	3.583734915
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	10 NOx	0.397118434
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	10 SOx	0.0001904
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	10 PM	0.000432529
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	10 TOG	0.19591582
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	10 ROG	0.178939126
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	10 CO2	12.93269319
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	10 CH4	0.034558426
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	10 PM10	0.000386681
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	10 PM2_5	0.000355539
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	20 HC	0.355862074
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	20 CO	6.870205489
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	20 NOx	0.631663335
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	20 SOx	0.000374159
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	20 PM	0.00082918
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	20 TOG	0.371420569
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	20 ROG	0.339235863
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	20 CO2	25.72185746
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	20 CH4	0.06007326
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	20 PM10	0.000741287
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	20 PM2_5	0.000681586
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	30 HC	0.504459008
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	30 CO	9.859411723
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	30 NOx	0.822782718
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	30 SOx	0.000551275
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	30 PM	0.001189954
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	30 TOG	0.526514248
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	30 ROG	0.480890208
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	30 CO2	38.36749279
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	30 CH4	0.081222432
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	30 PM10	0.001063819
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	30 PM2_5	0.000978142
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	40 HC	0.633499874
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	40 CO	12.55135362
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	40 NOx	0.970476581
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	40 SOx	0.000721749
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	40 PM	0.00151485
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	40 TOG	0.661196855
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	40 ROG	0.603902164
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	40 CO2	50.86959919
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	40 CH4	0.098896973
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	40 PM10	0.001354276
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	40 PM2_5	0.001245207
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	50 HC	0.742984672
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	50 CO	14.94603117
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	50 NOx	1.074744926
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	50 SOx	0.000885581
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	50 PM	0.001803869
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	50 TOG	0.775468391
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	50 ROG	0.708271729
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	50 CO2	63.22817666
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	50 CH4	0.113508473
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	50 PM10	0.001612659
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	50 PM2_5	0.00148278
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	60 HC	0.832913402
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	60 CO	17.04344438
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	60 NOx	1.135587752

2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	60 SOx	0.001042771
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	60 PM	0.002057011
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	60 TOG	0.869328857
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	60 ROG	0.793998904
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	60 CO2	75.4432252
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	60 CH4	0.12529098
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	60 PM10	0.001838967
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	60 PM2_5	0.001690863
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	120 HC	1.301933578
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	120 CO	37.97425412
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	120 NOx	1.126505108
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	120 SOx	0.001674143
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	120 PM	0.002820151
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	120 TOG	1.358854866
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	120 ROG	1.241106015
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	120 CO2	128.3159682
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	120 CH4	0.184333334
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	120 PM10	0.002521215
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	120 PM2_5	0.002318164
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	180 HC	1.381437192
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	180 CO	39.08434471
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	180 NOx	1.122367272
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	180 SOx	0.001918943
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	180 PM	0.002902592
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	180 TOG	1.441834425
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	180 ROG	1.316895146
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	180 CO2	151.5956688
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	180 CH4	0.194024037
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	180 PM10	0.002594917
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	180 PM2_5	0.002385931
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	240 HC	1.458418189
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	240 CO	40.23102558
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	240 NOx	1.116043754
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	240 SOx	0.002150322
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	240 PM	0.00298775
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	240 TOG	1.522181074
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	240 ROG	1.390279518
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	240 CO2	173.5013491
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	240 CH4	0.203335383
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	240 PM10	0.002671048
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	240 PM2_5	0.00245593
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	300 HC	1.532876566
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	300 CO	41.41429671
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	300 NOx	1.107534553
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	300 SOx	0.002368278
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	300 PM	0.003075625
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	300 TOG	1.599894816
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	300 ROG	1.46125913
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	300 CO2	194.0330092
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	300 CH4	0.212278352
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	300 PM10	0.002749609
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	300 PM2_5	0.002528164
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	360 HC	1.604812326
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	360 CO	42.63415811
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	360 NOx	1.09683967
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	360 SOx	0.002572813
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	360 PM	0.003166218
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	360 TOG	1.674975648
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	360 ROG	1.529833983
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	360 CO2	213.1906491
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	360 CH4	0.220862518
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	360 PM10	0.002830599
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	360 PM2_5	0.002602631
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	420 HC	1.674225467

2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	420 CO	43.89060978
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	420 NOx	1.083959105
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	420 SOx	0.002763927
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	420 PM	0.003259528
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	420 TOG	1.747423572
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	420 ROG	1.596004077
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	420 CO2	230.9742687
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	420 CH4	0.229096297
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	420 PM10	0.002914018
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	420 PM2_5	0.002679332
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	480 HC	1.74111599
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	480 CO	45.18365171
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	480 NOx	1.068892857
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	480 SOx	0.002941618
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	480 PM	0.003355556
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	480 TOG	1.817238587
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	480 ROG	1.659769412
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	480 CO2	247.3838681
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	480 CH4	0.236987131
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	480 PM10	0.002999867
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	480 PM2_5	0.002758267
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	540 HC	1.805483895
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	540 CO	46.51328392
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	540 NOx	1.051640926
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	540 SOx	0.003105888
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	540 PM	0.003454301
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	540 TOG	1.884420694
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	540 ROG	1.721129988
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	540 CO2	262.4194472
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	540 CH4	0.24454164
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	540 PM10	0.003088145
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	540 PM2_5	0.002839435
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	600 HC	1.867329181
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	600 CO	47.87950639
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	600 NOx	1.032203314
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	600 SOx	0.003256737
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	600 PM	0.003555763
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	600 TOG	1.948969892
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	600 ROG	1.780085804
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	600 CO2	276.0810062
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	600 CH4	0.251765738
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	600 PM10	0.003178852
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	600 PM2_5	0.002922837
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	660 HC	1.926651849
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	660 CO	49.28231912
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	660 NOx	1.010580019
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	660 SOx	0.003394163
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	660 PM	0.003659943
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	660 TOG	2.010886181
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	660 ROG	1.836636861
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	660 CO2	288.3685449
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	660 CH4	0.258664733
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	660 PM10	0.003271989
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	660 PM2_5	0.003008473
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	720 HC	1.98731512
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	720 CO	50.76904701
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	720 NOx	0.998575659
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	720 SOx	0.003524562
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	720 PM	0.003770354
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	720 TOG	2.074201685
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	720 ROG	1.894465887
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	720 CO2	299.8682337
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	720 CH4	0.265689911
2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	720 PM10	0.003370697

2020 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	720 PM2_5	0.003099231
2020 Annual	San Mateo (SF)	Truck2	Gas		HOTSOAK	HC	0.046061091
2020 Annual	San Mateo (SF)	Truck2	Gas		HOTSOAK	TOG	0.049245261
2020 Annual	San Mateo (SF)	Truck2	Gas		HOTSOAK	ROG	0.049245261
2020 Annual	San Mateo (SF)	Truck2	Gas		RUNLOSS	HC	3.203272473
2020 Annual	San Mateo (SF)	Truck2	Gas		RUNLOSS	TOG	3.424712346
2020 Annual	San Mateo (SF)	Truck2	Gas		RUNLOSS	ROG	3.424712346
2020 Annual	San Mateo (SF)	Truck2	Gas		DIURN	HC	0.15456721
2020 Annual	San Mateo (SF)	Truck2	Gas		DIURN	TOG	0.167885313
2020 Annual	San Mateo (SF)	Truck2	Gas		DIURN	ROG	0.167885313
2020 Annual	San Mateo (SF)	Truck2	Gas		PMTW	PM	0.012116403
2020 Annual	San Mateo (SF)	Truck2	Gas		PMTW	PM10	0.012116403
2020 Annual	San Mateo (SF)	Truck2	Gas		PMTW	PM2_5	0.003029101
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	5 PM	0.062651789
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	5 PM10	0.062651789
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	5 PM2_5	0.021928126
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	10 PM	0.062651789
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	10 PM10	0.062651789
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	10 PM2_5	0.021928126
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	15 PM	0.062624559
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	15 PM10	0.062624559
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	15 PM2_5	0.021918596
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	20 PM	0.061727558
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	20 PM10	0.061727558
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	20 PM2_5	0.021604645
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	25 PM	0.05102013
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	25 PM10	0.05102013
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	25 PM2_5	0.017857045
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	30 PM	0.045661145
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	30 PM10	0.045661145
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	30 PM2_5	0.015981401
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	35 PM	0.042595313
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	35 PM10	0.042595313
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	35 PM2_5	0.014908359
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	40 PM	0.042382761
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	40 PM10	0.042382761
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	40 PM2_5	0.014833967
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	45 PM	0.04217021
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	45 PM10	0.04217021
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	45 PM2_5	0.014759574
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	50 PM	0.042017173
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	50 PM10	0.042017173
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	50 PM2_5	0.014706011
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	55 PM	0.042017173
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	55 PM10	0.042017173
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	55 PM2_5	0.014706011
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	60 PM	0.042017173
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	60 PM10	0.042017173
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	60 PM2_5	0.014706011
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	65 PM	0.042017173
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	65 PM10	0.042017173
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	65 PM2_5	0.014706011
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	70 PM	0.042017173
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	70 PM10	0.042017173
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	70 PM2_5	0.014706011
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	75 PM	0.042017173
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	75 PM10	0.042017173
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	75 PM2_5	0.014706011
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	80 PM	0.042017173
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	80 PM10	0.042017173
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	80 PM2_5	0.014706011
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	85 PM	0.042017173
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	85 PM10	0.042017173
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	85 PM2_5	0.014706011

2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	90 PM	0.042017173
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	90 PM10	0.042017173
2020 Annual	San Mateo (SF)	Truck2	Gas		PMBW	90 PM2_5	0.014706011
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	5 HC	21.68197925
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	5 CO	102.6643388
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	5 NOx	9.448888229
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	5 PM	0.008167845
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	5 TOG	21.85473904
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	5 ROG	0.624785989
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	5 CO2	4701.598911
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	5 CH4	21.05249179
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	5 PM10	0.007302053
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	5 PM2_5	0.006713969
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	10 HC	14.88082838
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	10 CO	67.94986124
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	10 NOx	6.475951841
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	10 PM	0.007117476
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	10 TOG	15.01383467
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	10 ROG	0.450304361
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	10 CO2	3593.544392
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	10 CH4	14.43878223
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	10 PM10	0.006363024
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	10 PM2_5	0.005850565
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	15 HC	8.965790047
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	15 CO	40.67000931
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	15 NOx	3.952856946
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	15 PM	0.005341618
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	15 TOG	9.030474908
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	15 ROG	0.248300086
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	15 CO2	2560.114603
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	15 CH4	8.710173325
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	15 PM10	0.004775406
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	15 PM2_5	0.00439081
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	20 HC	6.283826563
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	20 CO	29.00331053
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	20 NOx	2.843687747
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	20 PM	0.003998931
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	20 TOG	6.309137295
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	20 ROG	0.144205044
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	20 CO2	2043.993655
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	20 CH4	6.118563837
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	20 PM10	0.003575044
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	20 PM2_5	0.003287121
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	25 HC	4.92698277
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	25 CO	22.44948198
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	25 NOx	2.302132084
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	25 PM	0.003231318
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	25 TOG	4.944987967
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	25 ROG	0.11032688
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	25 CO2	1731.34413
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	25 CH4	4.798681174
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	25 PM10	0.002888798
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	25 PM2_5	0.002656143
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	30 HC	4.070138036
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	30 CO	18.21240883
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	30 NOx	1.966569342
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	30 PM	0.002705812
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	30 TOG	4.084964678
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	30 ROG	0.091069653
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	30 CO2	1518.669642
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	30 CH4	3.964182
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	30 PM10	0.002418996
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	30 PM2_5	0.002224178
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	35 HC	3.467151313

2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	35 CO	15.23822833
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	35 NOx	1.732715507
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	35 PM	0.002336447
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	35 TOG	3.479305091
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	35 ROG	0.076868468
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	35 CO2	1361.95015
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	35 CH4	3.377222959
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	35 PM10	0.002088783
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	35 PM2_5	0.001920559
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	40 HC	3.021719834
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	40 CO	13.04347131
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	40 NOx	1.562477083
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	40 PM	0.002123221
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	40 TOG	3.031899044
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	40 ROG	0.066377782
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	40 CO2	1241.005224
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	40 CH4	2.943631334
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	40 PM10	0.001898159
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	40 PM2_5	0.001745287
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	45 HC	2.682489743
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	45 CO	11.37532511
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	45 NOx	1.435889104
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	45 PM	0.002066135
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	45 TOG	2.691495391
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	45 ROG	0.058880078
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	45 CO2	1144.584178
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	45 CH4	2.613189132
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	45 PM10	0.001847125
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	45 PM2_5	0.001698363
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	50 HC	2.419543574
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	50 CO	10.08895962
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	50 NOx	1.341491286
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	50 PM	0.002165189
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	50 TOG	2.428236498
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	50 ROG	0.053957351
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	50 CO2	1065.878604
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	50 CH4	2.35664061
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	50 PM10	0.001935679
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	50 PM2_5	0.001779785
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	55 HC	2.214258683
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	55 CO	9.095540017
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	55 NOx	1.272241631
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	55 PM	0.002420383
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	55 TOG	2.223536968
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	55 ROG	0.051349405
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	55 CO2	1000.507153
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	55 CH4	2.155775024
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	55 PM10	0.002163823
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	55 PM2_5	0.001989555
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	60 HC	2.21898013
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	60 CO	9.095932241
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	60 NOx	1.276017228
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	60 PM	0.002567666
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	60 TOG	2.228716395
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	60 ROG	0.052111446
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	60 CO2	1000.454541
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	60 CH4	2.160067802
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	60 PM10	0.002295494
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	60 PM2_5	0.002110622
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	65 HC	2.21898013
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	65 CO	9.095932241
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	65 NOx	1.276017228
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	65 PM	0.002567666
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	65 TOG	2.228716395

2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	65 ROG	0.052111446
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	65 CO2	1000.454541
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	65 CH4	2.160067802
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	65 PM10	0.002295494
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	65 PM2_5	0.002110622
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	70 HC	2.21898013
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	70 CO	9.095932241
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	70 NOx	1.276017228
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	70 PM	0.002567666
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	70 TOG	2.228716395
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	70 ROG	0.052111446
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	70 CO2	1000.454541
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	70 CH4	2.160067802
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	70 PM10	0.002295494
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	70 PM2_5	0.002110622
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	75 HC	2.21898013
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	75 CO	9.095932241
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	75 NOx	1.276017228
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	75 PM	0.002567666
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	75 TOG	2.228716395
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	75 ROG	0.052111446
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	75 CO2	1000.454541
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	75 CH4	2.160067802
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	75 PM10	0.002295494
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	75 PM2_5	0.002110622
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	80 HC	2.21898013
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	80 CO	9.095932241
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	80 NOx	1.276017228
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	80 PM	0.002567666
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	80 TOG	2.228716395
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	80 ROG	0.052111446
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	80 CO2	1000.454541
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	80 CH4	2.160067802
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	80 PM10	0.002295494
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	80 PM2_5	0.002110622
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	85 HC	2.21898013
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	85 CO	9.095932241
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	85 NOx	1.276017228
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	85 PM	0.002567666
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	85 TOG	2.228716395
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	85 ROG	0.052111446
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	85 CO2	1000.454541
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	85 CH4	2.160067802
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	85 PM10	0.002295494
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	85 PM2_5	0.002110622
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	90 HC	2.21898013
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	90 CO	9.095932241
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	90 NOx	1.276017228
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	90 PM	0.002567666
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	90 TOG	2.228716395
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	90 ROG	0.052111446
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	90 CO2	1000.454541
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	90 CH4	2.160067802
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	90 PM10	0.002295494
2020 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	90 PM2_5	0.002110622
2020 Annual	San Mateo (SF)	Truck2	NG		IDLEX	HC	37.93444669
2020 Annual	San Mateo (SF)	Truck2	NG		IDLEX	CO	106.1142557
2020 Annual	San Mateo (SF)	Truck2	NG		IDLEX	NOx	15.57411175
2020 Annual	San Mateo (SF)	Truck2	NG		IDLEX	PM	0.01842182
2020 Annual	San Mateo (SF)	Truck2	NG		IDLEX	TOG	37.94880949
2020 Annual	San Mateo (SF)	Truck2	NG		IDLEX	ROG	0.664390578
2020 Annual	San Mateo (SF)	Truck2	NG		IDLEX	CO2	11422.52269
2020 Annual	San Mateo (SF)	Truck2	NG		IDLEX	CH4	37.03281004
2020 Annual	San Mateo (SF)	Truck2	NG		IDLEX	PM10	0.016469107

2020 Annual	San Mateo (SF)	Truck2	NG	IDLEX	PM2_5	0.015142736
2020 Annual	San Mateo (SF)	Truck2	NG	PMTW	PM	0.03209059
2020 Annual	San Mateo (SF)	Truck2	NG	PMTW	PM10	0.03209059
2020 Annual	San Mateo (SF)	Truck2	NG	PMTW	PM2_5	0.008022647
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	5 PM	0.172608415
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	5 PM10	0.172608415
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	5 PM2_5	0.060412945
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	10 PM	0.172608415
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	10 PM10	0.172608415
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	10 PM2_5	0.060412945
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	15 PM	0.172278848
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	15 PM10	0.172278848
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	15 PM2_5	0.060297597
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	20 PM	0.171606278
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	20 PM10	0.171606278
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	20 PM2_5	0.060062197
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	25 PM	0.169312071
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	25 PM10	0.169312071
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	25 PM2_5	0.059259225
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	30 PM	0.16810118
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	30 PM10	0.16810118
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	30 PM2_5	0.058835413
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	35 PM	0.164093494
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	35 PM10	0.164093494
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	35 PM2_5	0.057432723
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	40 PM	0.161521466
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	40 PM10	0.161521466
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	40 PM2_5	0.056532513
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	45 PM	0.158949438
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	45 PM10	0.158949438
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	45 PM2_5	0.055632303
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	50 PM	0.157097578
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	50 PM10	0.157097578
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	50 PM2_5	0.054984152
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	55 PM	0.157097578
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	55 PM10	0.157097578
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	55 PM2_5	0.054984152
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	60 PM	0.157097578
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	60 PM10	0.157097578
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	60 PM2_5	0.054984152
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	65 PM	0.157097578
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	65 PM10	0.157097578
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	65 PM2_5	0.054984152
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	70 PM	0.157097578
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	70 PM10	0.157097578
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	70 PM2_5	0.054984152
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	75 PM	0.157097578
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	75 PM10	0.157097578
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	75 PM2_5	0.054984152
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	80 PM	0.157097578
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	80 PM10	0.157097578
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	80 PM2_5	0.054984152
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	85 PM	0.157097578
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	85 PM10	0.157097578
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	85 PM2_5	0.054984152
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	90 PM	0.157097578
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	90 PM10	0.157097578
2020 Annual	San Mateo (SF)	Truck2	NG	PMBW	90 PM2_5	0.054984152

File Name: San Mateo (SF) - 2040 - Annual.EF
 EMFAC2021/CT-EMFAC2017
 Run Date: 1/31/2023 15:10
 Area: San Mateo (SF)
 Analysis Year: 2040
 Season: Annual

Vehicle Category	VMT Fraction	Diesel VMT Gas VMT Fraction	
	Across Category	Within Cat	Within Category
Truck 1	0.033	0.543	0.457
Truck 2	0.013	0.875	0.106
Non-Truck	0.954	0.018	0.933

Road Type: Freeway Major/Coll Local Urban
 Silt Loading Factor: CARB 0.015 g/m²; 0.032 g/m²; 0.32 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	60 mph	65 mph	70 mph	75 mph
PM2.5	0.004249602	0.002877	0.002042	0.001524	0.001188	0.00097	0.00083	0.000748	0.000711	0.000715	0.000756	0.000835	0.000956	0.009038	0.009038
PM10	0.004584384	0.003098	0.002195	0.001635	0.001273	0.001038	0.000888	0.000799	0.00076	0.000763	0.000806	0.00089	0.001019	0.009506	0.009506
NOx	0.142045632	0.109748	0.081272	0.066465	0.055409	0.046916	0.040386	0.035704	0.032797	0.031626	0.03217	0.034448	0.038464	0.495535	0.495535
CO	0.993632663	0.893939	0.803103	0.727009	0.663508	0.608288	0.559772	0.517185	0.479902	0.447405	0.419267	0.395177	0.374867	1.535022	1.53525
HC	0.067819572	0.043418	0.029009	0.020507	0.015389	0.012153	0.010062	0.008727	0.007932	0.007566	0.007589	0.008022	0.00895	0.081202	0.08122
TOG	0.075124304	0.048307	0.032315	0.022893	0.017249	0.01367	0.011338	0.009833	0.008921	0.008479	0.008466	0.008904	0.009884	0.090778	0.090804
ROG	0.05669305	0.036574	0.024491	0.01738	0.013135	0.010436	0.008669	0.00752	0.006814	0.006463	0.006433	0.006743	0.007459	0.069627	0.069649
1,3-Butadiene	0.001071	0.000696	0.000468	0.000332	0.000251	0.0002	0.000168	0.000148	0.000138	0.000134	0.000138	0.000149	0.00017	0.00017	0.00017
Acetaldehyde	0.002301	0.001619	0.000913	0.000502	0.000354	0.000278	0.00023	0.000199	0.000181	0.000172	0.000171	0.000182	0.000203	0.000205	0.000208
Acrolein	0.000235	0.000152	0.000103	0.000074	0.000056	0.000045	0.000037	0.000033	0.000031	0.00003	0.000031	0.000034	0.000038	0.000038	0.000038
Benzene	0.004802	0.00314	0.002083	0.001453	0.001094	0.000869	0.000729	0.000644	0.000598	0.000582	0.000598	0.000646	0.000733	0.000734	0.000735
Diesel PM	0.00050501	0.000473	0.000413	0.000358	0.000317	0.000293	0.000281	0.000281	0.000292	0.000315	0.000349	0.0004	0.000461	0.000465	0.000465
Ethylbenzene	0.002015	0.001308	0.000881	0.000626	0.000474	0.000376	0.000316	0.000279	0.00026	0.000253	0.000261	0.000282	0.00032	0.00032	0.000321
Formaldehyde	0.006178	0.004257	0.002518	0.001501	0.001083	0.000854	0.000711	0.00062	0.000568	0.000545	0.000549	0.000589	0.00066	0.000665	0.000671
Naphthalene	0.000153	0.000101	0.000067	0.000047	0.000035	0.000028	0.000024	0.000021	0.00002	0.000019	0.000019	0.000021	0.000023	0.000022	0.000022
POM	0.000151	0.000099	0.000064	0.000044	0.000033	0.000026	0.000022	0.000019	0.000018	0.000017	0.000018	0.000019	0.000021	0.000021	0.000021
DEOG	0.018682	0.126332	0.068659	0.034862	0.025483	0.020656	0.016979	0.014337	0.012648	0.011849	0.01189	0.01225	0.012352	0.012372	0.012396
CO2	657.1441299	537.2876	440.454	368.3998	316.421	281.4211	260.32	250.5513	249.6039	255.2459	264.7386	275.5636	285.5057	401.3175	401.3175
N2O	0.014602	0.012479	0.010051	0.008798	0.007901	0.007164	0.006732	0.0064	0.006195	0.006167	0.006288	0.006487	0.006804	0.006804	0.006804
CH4	0.011234516	0.007568	0.005318	0.003917	0.003026	0.002446	0.002066	0.001824	0.001684	0.001628	0.001647	0.001747	0.001941	0.012859	0.01286
BC	0.000987	0.000654	0.000454	0.000331	0.000254	0.000207	0.000177	0.00016	0.000152	0.000152	0.000158	0.000171	0.000193	0.000193	0.000193

Fleet Average Fuel Consumption (gallons/veh-mile)

Fuel Type	<= 5 mph	10 mph	15 mph	20 mph	25 mph	30 mph	35 mph	40 mph	45 mph	50 mph	55 mph	60 mph	65 mph	70 mph	75 mph
Gasoline	0.057231	0.046444	0.038026	0.031617	0.027013	0.023983	0.022226	0.021501	0.021566	0.022186	0.023095	0.024012	0.024701	0.024701	0.024701
Diesel	0.005491	0.004607	0.003467	0.002954	0.002584	0.002294	0.00213	0.001998	0.001915	0.00193	0.001995	0.002082	0.002223	0.002223	0.002223

Fleet Average Running Loss Emission Factors (grams/veh-hour)

Pollutant Name	Emission Factor
HC	0.763208747
TOG	0.815968807
ROG	0.815968807
1,3-Butadiene	0
Benzene	0.007018
Ethylbenzene	0.01151
Naphthalene	0.000983
CH4	0.117457
HFC	0.001471

Fleet Average Tire Wear Factors (grams/veh-mile)

Pollutant Name	Emission Factor
PM2.5	0.001974406
PM10	0.007897625

Fleet Average Brake Wear 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	60 mph	65 mph	70 mph	75 mph
PM2.5	0.003980721	0.004541	0.005097	0.005645	0.005869	0.005861	0.005827	0.005329	0.004338	0.003356	0.002724	0.002419	0.002114	0.002114	0.002114
PM10	0.01137349	0.012973	0.014564	0.016129	0.016767	0.016747	0.016649	0.015227	0.012395	0.009588	0.007784	0.006912	0.00604	0.00604	0.00604

Fleet Average Road Dust Factors (grams/veh-mile)

Road Type:	Freeway	Road Type Major/Collector	Road Type	Local Urban	
Pollutant Name	Emission Factor	Pollutant N Emission Factor	Pollutant N Emission Factor	Pollutant N Emission Factor	
PM2.5	0.007748	PM2.5	0.01544	PM2.5	0.125499
PM10	0.051654	PM10	0.102932	PM10	0.836659

=====END=====

calendar_year	season_month	sub_area	vehicle_class	fuel	temperature	relative_humidity	process	speed_time	pollutant	emission_rate
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	5	HC	0.120807785
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	5	CO	1.542285254
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	5	NOx	1.906847125
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	5	SOx	0.01496868
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	5	PM	0.008360678
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	5	TOG	0.174168583
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	5	ROG	0.152990202
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	5	CO2	1568.820177
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	5	CH4	0.007106061
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	5	PM10	0.008310514
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	5	PM2_5	0.007951005
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	10	HC	0.082002137
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	10	CO	1.134254635
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	10	NOx	1.413630483
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	10	SOx	0.012545003
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	10	PM	0.007152315
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	10	TOG	0.118222481
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	10	ROG	0.103846925
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	10	CO2	1314.799497
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	10	CH4	0.004823467
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	10	PM10	0.007109401
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	10	PM2_5	0.006801852
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	15	HC	0.039933086
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	15	CO	0.570439772
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	15	NOx	0.935845005
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	15	SOx	0.010080892
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	15	PM	0.005577032
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	15	TOG	0.057571531
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	15	ROG	0.050570976
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	15	CO2	1056.540497
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	15	CH4	0.002348914
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	15	PM10	0.00554357
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	15	PM2_5	0.005303757
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	20	HC	0.018203057
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	20	CO	0.251043306
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	20	NOx	0.690432785
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	20	SOx	0.008569333
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	20	PM	0.004490421
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	20	TOG	0.026243347
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	20	ROG	0.02305224
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	20	CO2	898.1219557
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	20	CH4	0.001070726
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	20	PM10	0.004463478
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	20	PM2_5	0.00427039
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	25	HC	0.01216723
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	25	CO	0.164364795
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	25	NOx	0.535768779
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	25	SOx	0.007679654
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	25	PM	0.003802455
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	25	TOG	0.017541495
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	25	ROG	0.015408513
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	25	CO2	804.8810404
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	25	CH4	0.000715691
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	25	PM10	0.003779641
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	25	PM2_5	0.003616135
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	30	HC	0.009491482
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	30	CO	0.128197655
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	30	NOx	0.415449131
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	30	SOx	0.007052274
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	30	PM	0.003456055
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	30	TOG	0.013683869
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	30	ROG	0.012019962
2040	Annual	San Mateo (SF)	NonTruck	Dsl	60		71 RUNEX	30	CO2	739.1299538

2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	30 CH4	0.0005583
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	30 PM10	0.003435318
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	30 PM2_5	0.003286708
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	35 HC	0.00769183
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	35 CO	0.103565163
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	35 NOx	0.323261829
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	35 SOx	0.006615119
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	35 PM	0.003388996
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	35 TOG	0.011089311
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	35 ROG	0.009740893
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	35 CO2	693.3143259
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	35 CH4	0.000452442
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	35 PM10	0.003368662
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	35 PM2_5	0.003222935
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	40 HC	0.006494335
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	40 CO	0.085873313
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	40 NOx	0.256663225
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	40 SOx	0.006333993
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	40 PM	0.003580992
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	40 TOG	0.009362883
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	40 ROG	0.008224393
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	40 CO2	663.8513584
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	40 CH4	0.000382004
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	40 PM10	0.003595906
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	40 PM2_5	0.003405524
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	45 HC	0.005761627
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	45 CO	0.072886513
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	45 NOx	0.214355732
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	45 SOx	0.00619983
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	45 PM	0.004020667
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	45 TOG	0.008306537
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	45 ROG	0.007296496
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	45 CO2	649.7908726
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	45 CH4	0.000338906
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	45 PM10	0.003996543
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	45 PM2_5	0.003823655
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	50 HC	0.005417017
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	50 CO	0.063398022
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	50 NOx	0.195609984
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	50 SOx	0.006220661
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	50 PM	0.004701212
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	50 TOG	0.007809713
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	50 ROG	0.006860086
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	50 CO2	651.9745351
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	50 CH4	0.000318635
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	50 PM10	0.004673005
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	50 PM2_5	0.004470853
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	55 HC	0.005414169
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	55 CO	0.056705986
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	55 NOx	0.199985287
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	55 SOx	0.006402462
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	55 PM	0.00561841
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	55 TOG	0.007805608
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	55 ROG	0.006856482
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	55 CO2	671.0284164
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	55 CH4	0.000318468
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	55 PM10	0.005584699
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	55 PM2_5	0.005343108
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	60 HC	0.005804665
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	60 CO	0.054225435
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	60 NOx	0.228827036
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	60 SOx	0.006732783
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	60 PM	0.006759833
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	60 TOG	0.008368586

2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	60 ROG	0.007351008
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	60 CO2	705.6480658
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	60 CH4	0.000341437
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	60 PM10	0.006719274
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	60 PM2_5	0.006428601
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	65 HC	0.006501565
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	65 CO	0.055072072
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	65 NOx	0.281468441
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	65 SOx	0.007228995
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	65 PM	0.008100534
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	65 TOG	0.009373306
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	65 ROG	0.008233561
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	65 CO2	757.6536102
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	65 CH4	0.000382429
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	65 PM10	0.00805193
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	65 PM2_5	0.007703607
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	70 HC	0.006514635
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	70 CO	0.055214734
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	70 NOx	0.281638213
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	70 SOx	0.007336284
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	70 PM	0.008143932
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	70 TOG	0.009392149
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	70 ROG	0.008250113
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	70 CO2	768.8952851
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	70 CH4	0.000383198
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	70 PM10	0.008095068
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	70 PM2_5	0.007744879
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	75 HC	0.006517371
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	75 CO	0.055246995
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	75 NOx	0.281638213
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	75 SOx	0.007336284
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	75 PM	0.008143932
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	75 TOG	0.009396093
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	75 ROG	0.008253578
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	75 CO2	768.8952851
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	75 CH4	0.000383359
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	75 PM10	0.008095068
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	75 PM2_5	0.007744879
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	80 HC	0.006520648
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	80 CO	0.055287967
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	80 NOx	0.281638213
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	80 SOx	0.007336284
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	80 PM	0.008143932
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	80 TOG	0.009400818
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	80 ROG	0.008257728
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	80 CO2	768.8952851
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	80 CH4	0.000383552
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	80 PM10	0.008095068
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	80 PM2_5	0.007744879
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	85 HC	0.006524466
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	85 CO	0.055337653
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	85 NOx	0.281638213
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	85 SOx	0.007336284
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	85 PM	0.008143932
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	85 TOG	0.009406322
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	85 ROG	0.008262563
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	85 CO2	768.8952851
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	85 CH4	0.000383776
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	85 PM10	0.008095068
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	85 PM2_5	0.007744879
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	90 HC	0.006528824
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	90 CO	0.05539605
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	90 NOx	0.281638213
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	90 SOx	0.007336284

2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	90 PM	0.008143932
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	90 TOG	0.009412606
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	90 ROG	0.008268083
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	90 CO2	768.8952851
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	90 CH4	0.000384033
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	90 PM10	0.008095068
2040 Annual	San Mateo (SF)	NonTruck	Dsl	60	71 RUNEX	90 PM2_5	0.007744879
2040 Annual	San Mateo (SF)	NonTruck	Dsl		IDLEX	HC	1.064752102
2040 Annual	San Mateo (SF)	NonTruck	Dsl		IDLEX	CO	27.33448819
2040 Annual	San Mateo (SF)	NonTruck	Dsl		IDLEX	NOx	17.61397405
2040 Annual	San Mateo (SF)	NonTruck	Dsl		IDLEX	SOx	0.050922595
2040 Annual	San Mateo (SF)	NonTruck	Dsl		IDLEX	PM	0.010018409
2040 Annual	San Mateo (SF)	NonTruck	Dsl		IDLEX	TOG	1.535053105
2040 Annual	San Mateo (SF)	NonTruck	Dsl		IDLEX	ROG	1.348402061
2040 Annual	San Mateo (SF)	NonTruck	Dsl		IDLEX	CO2	5337.536632
2040 Annual	San Mateo (SF)	NonTruck	Dsl		IDLEX	CH4	0.062629783
2040 Annual	San Mateo (SF)	NonTruck	Dsl		IDLEX	PM10	0.009958299
2040 Annual	San Mateo (SF)	NonTruck	Dsl		IDLEX	PM2_5	0.009527507
2040 Annual	San Mateo (SF)	NonTruck	Dsl		STREX	5 NOx	0.004691181
2040 Annual	San Mateo (SF)	NonTruck	Dsl		STREX	10 NOx	0.149004439
2040 Annual	San Mateo (SF)	NonTruck	Dsl		STREX	20 NOx	0.475044534
2040 Annual	San Mateo (SF)	NonTruck	Dsl		STREX	30 NOx	0.671964891
2040 Annual	San Mateo (SF)	NonTruck	Dsl		STREX	40 NOx	0.812626213
2040 Annual	San Mateo (SF)	NonTruck	Dsl		STREX	50 NOx	0.922437846
2040 Annual	San Mateo (SF)	NonTruck	Dsl		STREX	60 NOx	1.01271779
2040 Annual	San Mateo (SF)	NonTruck	Dsl		STREX	120 NOx	1.362073234
2040 Annual	San Mateo (SF)	NonTruck	Dsl		STREX	180 NOx	1.572318808
2040 Annual	San Mateo (SF)	NonTruck	Dsl		STREX	240 NOx	1.724533724
2040 Annual	San Mateo (SF)	NonTruck	Dsl		STREX	300 NOx	1.844127328
2040 Annual	San Mateo (SF)	NonTruck	Dsl		STREX	360 NOx	1.942417621
2040 Annual	San Mateo (SF)	NonTruck	Dsl		STREX	420 NOx	2.025441966
2040 Annual	San Mateo (SF)	NonTruck	Dsl		STREX	480 NOx	2.096804136
2040 Annual	San Mateo (SF)	NonTruck	Dsl		STREX	540 NOx	2.158828633
2040 Annual	San Mateo (SF)	NonTruck	Dsl		STREX	600 NOx	2.213102615
2040 Annual	San Mateo (SF)	NonTruck	Dsl		STREX	660 NOx	2.260758134
2040 Annual	San Mateo (SF)	NonTruck	Dsl		STREX	720 NOx	2.302631059
2040 Annual	San Mateo (SF)	NonTruck	Dsl		PMTW	PM	0.01071833
2040 Annual	San Mateo (SF)	NonTruck	Dsl		PMTW	PM10	0.01071833
2040 Annual	San Mateo (SF)	NonTruck	Dsl		PMTW	PM2_5	0.002679582
2040 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	5 PM	0.045419371
2040 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	5 PM10	0.045419371
2040 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	5 PM2_5	0.01589678
2040 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	10 PM	0.046261511
2040 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	10 PM10	0.046261511
2040 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	10 PM2_5	0.016191529
2040 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	15 PM	0.046975647
2040 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	15 PM10	0.046975647
2040 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	15 PM2_5	0.016441476
2040 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	20 PM	0.04717514
2040 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	20 PM10	0.04717514
2040 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	20 PM2_5	0.016511299
2040 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	25 PM	0.041948921
2040 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	25 PM10	0.041948921
2040 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	25 PM2_5	0.014682122
2040 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	30 PM	0.039005784
2040 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	30 PM10	0.039005784
2040 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	30 PM2_5	0.013652025
2040 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	35 PM	0.036067474
2040 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	35 PM10	0.036067474
2040 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	35 PM2_5	0.012623616
2040 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	40 PM	0.034335326
2040 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	40 PM10	0.034335326
2040 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	40 PM2_5	0.012017364
2040 Annual	San Mateo (SF)	NonTruck	Dsl		PMBW	45 PM	0.032021889

2040 Annual	San Mateo (SF)	NonTruck	Elec		PMTW	PM	0.008538361
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMTW	PM10	0.008538361
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMTW	PM2_5	0.00213459
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	5 PM	0.002699187
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	5 PM10	0.002699187
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	5 PM2_5	0.000944716
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	10 PM	0.003694859
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	10 PM10	0.003694859
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	10 PM2_5	0.001293201
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	15 PM	0.00469053
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	15 PM10	0.00469053
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	15 PM2_5	0.001641685
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	20 PM	0.005686744
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	20 PM10	0.005686744
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	20 PM2_5	0.00199036
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	25 PM	0.006243258
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	25 PM10	0.006243258
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	25 PM2_5	0.00218514
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	30 PM	0.006411245
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	30 PM10	0.006411245
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	30 PM2_5	0.002243936
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	35 PM	0.006590576
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	35 PM10	0.006590576
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	35 PM2_5	0.002306702
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	40 PM	0.006188416
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	40 PM10	0.006188416
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	40 PM2_5	0.002165946
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	45 PM	0.005192745
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	45 PM10	0.005192745
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	45 PM2_5	0.001817461
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	50 PM	0.004200317
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	50 PM10	0.004200317
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	50 PM2_5	0.001470111
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	55 PM	0.003451131
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	55 PM10	0.003451131
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	55 PM2_5	0.001207896
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	60 PM	0.002945187
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	60 PM10	0.002945187
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	60 PM2_5	0.001030815
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	65 PM	0.002442486
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	65 PM10	0.002442486
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	65 PM2_5	0.00085487
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	70 PM	0.002442486
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	70 PM10	0.002442486
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	70 PM2_5	0.00085487
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	75 PM	0.002442486
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	75 PM10	0.002442486
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	75 PM2_5	0.00085487
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	80 PM	0.002442486
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	80 PM10	0.002442486
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	80 PM2_5	0.00085487
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	85 PM	0.002442486
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	85 PM10	0.002442486
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	85 PM2_5	0.00085487
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	90 PM	0.002442486
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	90 PM10	0.002442486
2040 Annual	San Mateo (SF)	NonTruck	Elec		PMBW	90 PM2_5	0.00085487
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	5 HC	0.069986503
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	5 CO	1.043707936
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	5 NOx	0.043741606
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	5 SOx	0.006285293
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	5 PM	0.004574748
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	5 TOG	0.07559425
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	5 ROG	0.056041183

2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	5 CO2	627.9578565
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	5 CH4	0.012187206
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	5 PM10	0.004092065
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	5 PM2_5	0.00376362
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	10 HC	0.044114027
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	10 CO	0.948951536
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	10 NOx	0.03798829
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	10 SOx	0.005103674
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	10 PM	0.00287872
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	10 TOG	0.047648362
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	10 ROG	0.035331912
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	10 CO2	509.7826816
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	10 CH4	0.008173469
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	10 PM10	0.002574987
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	10 PM2_5	0.002368309
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	15 HC	0.029334004
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	15 CO	0.865608092
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	15 NOx	0.033531378
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	15 SOx	0.004175051
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	15 PM	0.001911027
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	15 TOG	0.031683954
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	15 ROG	0.02349963
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	15 CO2	416.9058777
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	15 CH4	0.005740979
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	15 PM10	0.001709397
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	15 PM2_5	0.001572195
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	20 HC	0.020576949
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	20 CO	0.792014292
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	20 NOx	0.030079908
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	20 SOx	0.003471493
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	20 PM	0.001338344
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	20 TOG	0.022225203
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	20 ROG	0.016488099
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	20 CO2	346.5479685
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	20 CH4	0.004223112
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	20 PM10	0.001197138
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	20 PM2_5	0.001101052
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	25 HC	0.015226007
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	25 CO	0.726827018
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	25 NOx	0.027423448
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	25 SOx	0.002967933
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	25 PM	0.000988777
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	25 TOG	0.016445516
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	25 ROG	0.012203236
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	25 CO2	296.207425
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	25 CH4	0.003253379
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	25 PM10	0.000884454
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	25 PM2_5	0.000813465
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	30 HC	0.011884135
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	30 CO	0.66894912
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	30 NOx	0.025407791
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	30 SOx	0.002633797
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	30 PM	0.000770648
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	30 TOG	0.012835886
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	30 ROG	0.009526952
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	30 CO2	262.8268232
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	30 CH4	0.00262471
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	30 PM10	0.000689339
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	30 PM2_5	0.000634011
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	35 HC	0.009783911
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	35 CO	0.617460896
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	35 NOx	0.023922646
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	35 SOx	0.00244131
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	35 PM	0.000633639

2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	35 TOG	0.01056739
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	35 ROG	0.007844996
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	35 CO2	243.6266866
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	35 CH4	0.002217516
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	35 PM10	0.000566786
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	35 PM2_5	0.000521295
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	40 HC	0.008495865
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	40 CO	0.571583835
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	40 NOx	0.022889756
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	40 SOx	0.002362708
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	40 PM	0.000549613
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	40 TOG	0.009176137
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	40 ROG	0.006813594
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	40 CO2	235.8275386
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	40 CH4	0.001961938
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	40 PM10	0.000491626
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	40 PM2_5	0.000452167
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	45 HC	0.007781134
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	45 CO	0.530658997
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	45 NOx	0.022256642
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	45 SOx	0.002370237
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	45 PM	0.000502923
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	45 TOG	0.008404126
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	45 ROG	0.006241553
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	45 CO2	236.649903
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	45 CH4	0.001817747
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	45 PM10	0.000449862
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	45 PM2_5	0.000413755
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	50 HC	0.007516447
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	50 CO	0.494128746
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	50 NOx	0.021991947
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	50 SOx	0.002438922
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	50 PM	0.000485486
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	50 TOG	0.008118203
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	50 ROG	0.006030236
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	50 CO2	243.5922507
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	50 CH4	0.001763644
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	50 PM10	0.000434265
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	50 PM2_5	0.00039941
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	55 HC	0.007657949
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	55 CO	0.461526795
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	55 NOx	0.022082939
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	55 SOx	0.002538244
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	55 PM	0.000494403
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	55 TOG	0.008270995
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	55 ROG	0.006144622
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	55 CO2	253.5971577
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	55 CH4	0.001791917
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	55 PM10	0.000442241
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	55 PM2_5	0.000406747
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	60 HC	0.008228874
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	60 CO	0.432474569
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	60 NOx	0.022534475
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	60 SOx	0.00264046
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	60 PM	0.000531146
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	60 TOG	0.008887592
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	60 ROG	0.006603459
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	60 CO2	263.8851476
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	60 CH4	0.001906574
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	60 PM10	0.000475107
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	60 PM2_5	0.000436975
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	65 HC	0.009326057
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	65 CO	0.406685594
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	71 RUNEX	65 NOx	0.023369473

2040 Annual	San Mateo (SF)	NonTruck	Gas		IDLEX	CO	155.2231928
2040 Annual	San Mateo (SF)	NonTruck	Gas		IDLEX	NOx	1.200274771
2040 Annual	San Mateo (SF)	NonTruck	Gas		IDLEX	SOx	0.048962446
2040 Annual	San Mateo (SF)	NonTruck	Gas		IDLEX	TOG	29.30767686
2040 Annual	San Mateo (SF)	NonTruck	Gas		IDLEX	ROG	20.08478893
2040 Annual	San Mateo (SF)	NonTruck	Gas		IDLEX	CO2	4576.788547
2040 Annual	San Mateo (SF)	NonTruck	Gas		IDLEX	CH4	2.596049353
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	5 HC	0.01243053
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	5 CO	0.182486537
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	5 NOx	0.032806419
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	5 SOx	9.86E-05
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	5 PM	8.80E-05
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	5 TOG	0.012982336
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	5 ROG	0.011870866
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	5 CO2	9.571170496
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	5 CH4	0.003099953
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	5 PM10	7.89E-05
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	5 PM2_5	7.27E-05
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	10 HC	0.027222808
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	10 CO	0.358925711
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	10 NOx	0.065198554
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	10 SOx	0.000112945
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	10 PM	0.000172367
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	10 TOG	0.028424503
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	10 ROG	0.02598004
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	10 CO2	10.70541973
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	10 CH4	0.00631498
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	10 PM10	0.000154453
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	10 PM2_5	0.000142192
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	20 HC	0.066950355
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	20 CO	0.710522065
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	20 NOx	0.129931034
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	20 SOx	0.000145912
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	20 PM	0.000335776
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	20 TOG	0.069894903
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	20 ROG	0.063866521
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	20 CO2	13.36747002
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	20 CH4	0.014099022
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	20 PM10	0.000300781
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	20 PM2_5	0.000276854
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	30 HC	0.120201889
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	30 CO	1.060409092
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	30 NOx	0.194594459
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	30 SOx	0.000184503
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	30 PM	0.000492077
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	30 TOG	0.125480058
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	30 ROG	0.114643846
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	30 CO2	16.55425607
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	30 CH4	0.023638383
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	30 PM10	0.000440734
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	30 PM2_5	0.000405646
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	40 HC	0.186977411
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	40 CO	1.408586792
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	40 NOx	0.259188829
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	40 SOx	0.000228719
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	40 PM	0.00064127
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	40 TOG	0.195179967
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	40 ROG	0.178312016
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	40 CO2	20.26577789
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	40 CH4	0.034834961
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	40 PM10	0.000574313
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	40 PM2_5	0.000528567
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	50 HC	0.225340683
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	50 CO	1.754893508

2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	50 NOx	0.322389332
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	50 SOx	0.00027727
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	50 PM	0.000783356
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	50 TOG	0.235224917
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	50 ROG	0.214894093
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	50 CO2	24.50203547
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	50 CH4	0.040932346
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	50 PM10	0.000701518
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	50 PM2_5	0.000645617
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	60 HC	0.23033548
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	60 CO	2.096626374
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	60 NOx	0.365684328
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	60 SOx	0.000329966
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	60 PM	0.000918334
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	60 TOG	0.240441486
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	60 ROG	0.219664129
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	60 CO2	29.26302881
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	60 CH4	0.041634097
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	60 PM10	0.000822348
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	60 PM2_5	0.000756795
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	120 HC	0.231654356
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	120 CO	2.604512542
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	120 NOx	0.367136005
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	120 SOx	0.000728607
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	120 PM	0.001505244
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	120 TOG	0.24182856
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	120 ROG	0.220948057
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	120 CO2	68.47307283
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	120 CH4	0.04157856
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	120 PM10	0.001347575
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	120 PM2_5	0.001239986
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	180 HC	0.319824943
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	180 CO	4.272235453
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	180 NOx	0.324772337
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	180 SOx	0.000821806
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	180 PM	0.001680224
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	180 TOG	0.333866973
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	180 ROG	0.305032034
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	180 CO2	77.67478747
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	180 CH4	0.054890281
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	180 PM10	0.001504092
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	180 PM2_5	0.00138394
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	240 HC	0.317310639
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	240 CO	4.408627493
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	240 NOx	0.299397607
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	240 SOx	0.000914797
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	240 PM	0.001835966
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	240 TOG	0.331246303
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	240 ROG	0.302644215
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	240 CO2	86.87098236
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	240 CH4	0.054386416
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	240 PM10	0.001643409
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	240 PM2_5	0.001512079
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	300 HC	0.316797187
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	300 CO	4.524008903
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	300 NOx	0.27617163
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	300 SOx	0.001007581
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	300 PM	0.001972471
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	300 TOG	0.330713875
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	300 ROG	0.302163543
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	300 CO2	96.06165748
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	300 CH4	0.054197613
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	300 PM10	0.001765527
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	300 PM2_5	0.001624403

2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	360 HC	0.318284588
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	360 CO	4.618379685
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	360 NOx	0.255094404
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	360 SOx	0.001100158
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	360 PM	0.00208974
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	360 TOG	0.332269689
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	360 ROG	0.303590016
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	360 CO2	105.2468128
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	360 CH4	0.054327092
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	360 PM10	0.001870445
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	360 PM2_5	0.001720911
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	420 HC	0.321772841
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	420 CO	4.691739836
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	420 NOx	0.236165929
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	420 SOx	0.001192527
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	420 PM	0.002187771
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	420 TOG	0.335913746
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	420 ROG	0.306923635
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	420 CO2	114.4264484
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	420 CH4	0.054776691
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	420 PM10	0.001958164
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	420 PM2_5	0.001801604
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	480 HC	0.327261946
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	480 CO	4.744089358
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	480 NOx	0.219386206
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	480 SOx	0.001284688
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	480 PM	0.002266565
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	480 TOG	0.341646044
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	480 ROG	0.3121644
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	480 CO2	123.6005643
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	480 CH4	0.055546749
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	480 PM10	0.002028683
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	480 PM2_5	0.001866482
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	540 HC	0.334751904
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	540 CO	4.775428251
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	540 NOx	0.204755235
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	540 SOx	0.001376642
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	540 PM	0.002326121
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	540 TOG	0.349466584
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	540 ROG	0.319312311
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	540 CO2	132.7691603
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	540 CH4	0.056636072
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	540 PM10	0.002082002
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	540 PM2_5	0.001915545
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	600 HC	0.344242715
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	600 CO	4.785756514
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	600 NOx	0.192273015
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	600 SOx	0.001468389
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	600 PM	0.002366441
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	600 TOG	0.359375366
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	600 ROG	0.328367367
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	600 CO2	141.9322367
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	600 CH4	0.058042003
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	600 PM10	0.002118122
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	600 PM2_5	0.001948793
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	660 HC	0.355734378
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	660 CO	4.775074148
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	660 NOx	0.181939546
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	660 SOx	0.001559927
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	660 PM	0.002387523
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	660 TOG	0.371372391
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	660 ROG	0.33932957
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	660 CO2	151.0897932
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	660 CH4	0.059760582

2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	660 PM10	0.002137042
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	660 PM2_5	0.001966225
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	720 HC	0.369753761
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	720 CO	4.729993661
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	720 NOx	0.174012774
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	720 SOx	0.00165117
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	720 PM	0.002389474
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	720 TOG	0.3860077
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	720 ROG	0.352701525
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	720 CO2	160.2442102
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	720 CH4	0.061862871
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	720 PM10	0.00213886
2040 Annual	San Mateo (SF)	NonTruck	Gas	60	STREX	720 PM2_5	0.001967933
2040 Annual	San Mateo (SF)	NonTruck	Gas		HOTSOAK	HC	0.082708272
2040 Annual	San Mateo (SF)	NonTruck	Gas		HOTSOAK	TOG	0.088425834
2040 Annual	San Mateo (SF)	NonTruck	Gas		HOTSOAK	ROG	0.088425834
2040 Annual	San Mateo (SF)	NonTruck	Gas		RUNLOSS	HC	0.736744227
2040 Annual	San Mateo (SF)	NonTruck	Gas		RUNLOSS	TOG	0.787674814
2040 Annual	San Mateo (SF)	NonTruck	Gas		RUNLOSS	ROG	0.787674814
2040 Annual	San Mateo (SF)	NonTruck	Gas		DIURN	HC	0.040120659
2040 Annual	San Mateo (SF)	NonTruck	Gas		DIURN	TOG	0.043577608
2040 Annual	San Mateo (SF)	NonTruck	Gas		DIURN	ROG	0.043577608
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMTW	PM	0.007981111
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMTW	PM10	0.007981111
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMTW	PM2_5	0.001995278
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	5 PM	0.007524201
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	5 PM10	0.007524201
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	5 PM2_5	0.00263347
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	10 PM	0.009305298
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	10 PM10	0.009305298
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	10 PM2_5	0.003256854
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	15 PM	0.011089944
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	15 PM10	0.011089944
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	15 PM2_5	0.00388148
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	20 PM	0.012869992
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	20 PM10	0.012869992
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	20 PM2_5	0.004504497
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	25 PM	0.013796273
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	25 PM10	0.013796273
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	25 PM2_5	0.004828696
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	30 PM	0.013886734
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	30 PM10	0.013886734
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	30 PM2_5	0.004860357
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	35 PM	0.01397746
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	35 PM10	0.01397746
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	35 PM2_5	0.004892111
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	40 PM	0.012500118
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	40 PM10	0.012500118
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	40 PM2_5	0.004375041
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	45 PM	0.009451302
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	45 PM10	0.009451302
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	45 PM2_5	0.003307956
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	50 PM	0.006399604
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	50 PM10	0.006399604
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	50 PM2_5	0.002239862
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	55 PM	0.004389518
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	55 PM10	0.004389518
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	55 PM2_5	0.001536331
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	60 PM	0.003418161
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	60 PM10	0.003418161
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	60 PM2_5	0.001196356
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	65 PM	0.002446804
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	65 PM10	0.002446804
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	65 PM2_5	0.000856381

2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	70 PM	0.002446804
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	70 PM10	0.002446804
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	70 PM2_5	0.000856381
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	75 PM	0.002446804
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	75 PM10	0.002446804
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	75 PM2_5	0.000856381
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	80 PM	0.002446804
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	80 PM10	0.002446804
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	80 PM2_5	0.000856381
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	85 PM	0.002446804
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	85 PM10	0.002446804
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	85 PM2_5	0.000856381
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	90 PM	0.002446804
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	90 PM10	0.002446804
2040 Annual	San Mateo (SF)	NonTruck	Gas		PMBW	90 PM2_5	0.000856381
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	5 HC	5.583626616
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	5 CO	28.84117054
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	5 NOx	0.700597821
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	5 PM	0.004586268
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	5 TOG	5.572459363
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	5 ROG	0.078014431
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	5 CO2	5321.65218
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	5 CH4	5.460126288
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	5 PM10	0.004128691
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	5 PM2_5	0.003806764
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	10 HC	4.167209224
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	10 CO	25.67142519
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	10 NOx	0.388089614
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	10 PM	0.004160129
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	10 TOG	4.158874805
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	10 ROG	0.058224247
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	10 CO2	3435.943746
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	10 CH4	4.07503764
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	10 PM10	0.003745068
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	10 PM2_5	0.003453054
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	15 HC	3.032200834
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	15 CO	22.61126635
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	15 NOx	0.193212664
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	15 PM	0.00338336
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	15 TOG	3.026136433
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	15 ROG	0.04236591
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	15 CO2	2034.20738
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	15 CH4	2.965133707
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	15 PM10	0.003045799
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	15 PM2_5	0.002808308
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	20 HC	2.537583362
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	20 CO	20.83986952
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	20 NOx	0.126149345
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	20 PM	0.002707271
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	20 TOG	2.532508196
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	20 ROG	0.035455115
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	20 CO2	1466.40815
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	20 CH4	2.481456332
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	20 PM10	0.002437164
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	20 PM2_5	0.00224713
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	25 HC	2.256472203
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	25 CO	19.55624844
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	25 NOx	0.093470222
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	25 PM	0.002131861
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	25 TOG	2.251959258
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	25 ROG	0.03152743
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	25 CO2	1159.64385
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	25 CH4	2.206562873
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	25 PM10	0.001919163

2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	25 PM2_5	0.00176952
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	30 HC	2.073101819
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	30 CO	18.54062238
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	30 NOx	0.074436726
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	30 PM	0.00165713
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	30 TOG	2.068955615
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	30 ROG	0.028965379
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	30 CO2	967.309689
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	30 CH4	2.027248331
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	30 PM10	0.001491797
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	30 PM2_5	0.001375477
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	35 HC	1.942896575
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	35 CO	17.70619584
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	35 NOx	0.06207356
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	35 PM	0.001283079
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	35 TOG	1.939010782
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	35 ROG	0.027146151
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	35 CO2	835.1706989
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	35 CH4	1.899923006
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	35 PM10	0.001155065
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	35 PM2_5	0.001065001
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	40 HC	1.84496523
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	40 CO	17.01102581
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	40 NOx	0.053429899
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	40 PM	0.001009707
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	40 TOG	1.841275299
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	40 ROG	0.025777854
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	40 CO2	738.5830946
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	40 CH4	1.804157735
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	40 PM10	0.000908968
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	40 PM2_5	0.000838092
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	45 HC	1.768180608
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	45 CO	16.43203007
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	45 NOx	0.047058202
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	45 PM	0.000837015
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	45 TOG	1.764644247
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	45 ROG	0.024705019
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	45 CO2	664.7498851
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	45 CH4	1.729071459
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	45 PM10	0.000753505
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	45 PM2_5	0.000694751
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	50 HC	1.722598738
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	50 CO	16.12191096
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	50 NOx	0.04349556
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	50 PM	0.000769487
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	50 TOG	1.71915354
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	50 ROG	0.02406815
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	50 CO2	635.1511028
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	50 CH4	1.684497782
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	50 PM10	0.000693135
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	50 PM2_5	0.000639244
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	55 HC	1.685795124
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	55 CO	15.88681698
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	55 NOx	0.040614483
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	55 PM	0.000796368
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	55 TOG	1.682423534
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	55 ROG	0.023553929
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	55 CO2	610.3150067
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	55 CH4	1.648508202
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	55 PM10	0.000717167
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	55 PM2_5	0.00066134
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	60 HC	1.685795124
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	60 CO	15.88681698
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	60 NOx	0.040614483

2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	90 CH4	1.648508202
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	90 PM10	0.000717167
2040 Annual	San Mateo (SF)	NonTruck	NG	60	71 RUNEX	90 PM2_5	0.00066134
2040 Annual	San Mateo (SF)	NonTruck	NG		IDLEX	HC	37.99043336
2040 Annual	San Mateo (SF)	NonTruck	NG		IDLEX	CO	102.513729
2040 Annual	San Mateo (SF)	NonTruck	NG		IDLEX	NOx	15.24070185
2040 Annual	San Mateo (SF)	NonTruck	NG		IDLEX	PM	0.063261681
2040 Annual	San Mateo (SF)	NonTruck	NG		IDLEX	TOG	37.9144525
2040 Annual	San Mateo (SF)	NonTruck	NG		IDLEX	ROG	0.530802335
2040 Annual	San Mateo (SF)	NonTruck	NG		IDLEX	CO2	11770.04352
2040 Annual	San Mateo (SF)	NonTruck	NG		IDLEX	CH4	37.15014956
2040 Annual	San Mateo (SF)	NonTruck	NG		IDLEX	PM10	0.056555943
2040 Annual	San Mateo (SF)	NonTruck	NG		IDLEX	PM2_5	0.052001102
2040 Annual	San Mateo (SF)	NonTruck	NG		PMTW	PM	0.018536418
2040 Annual	San Mateo (SF)	NonTruck	NG		PMTW	PM10	0.018536418
2040 Annual	San Mateo (SF)	NonTruck	NG		PMTW	PM2_5	0.004634105
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	5 PM	0.077272307
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	5 PM10	0.077272307
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	5 PM2_5	0.027045307
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	10 PM	0.077272307
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	10 PM10	0.077272307
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	10 PM2_5	0.027045307
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	15 PM	0.077272307
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	15 PM10	0.077272307
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	15 PM2_5	0.027045307
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	20 PM	0.0766882
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	20 PM10	0.0766882
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	20 PM2_5	0.02684087
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	25 PM	0.069386865
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	25 PM10	0.069386865
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	25 PM2_5	0.024285403
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	30 PM	0.065736198
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	30 PM10	0.065736198
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	30 PM2_5	0.023007669
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	35 PM	0.063837851
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	35 PM10	0.063837851
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	35 PM2_5	0.022343248
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	40 PM	0.063837851
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	40 PM10	0.063837851
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	40 PM2_5	0.022343248
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	45 PM	0.063837851
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	45 PM10	0.063837851
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	45 PM2_5	0.022343248
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	50 PM	0.063837851
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	50 PM10	0.063837851
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	50 PM2_5	0.022343248
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	55 PM	0.063837851
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	55 PM10	0.063837851
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	55 PM2_5	0.022343248
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	60 PM	0.063837851
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	60 PM10	0.063837851
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	60 PM2_5	0.022343248
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	65 PM	0.063837851
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	65 PM10	0.063837851
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	65 PM2_5	0.022343248
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	70 PM	0.063837851
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	70 PM10	0.063837851
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	70 PM2_5	0.022343248
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	75 PM	0.063837851
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	75 PM10	0.063837851
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	75 PM2_5	0.022343248
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	80 PM	0.063837851
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	80 PM10	0.063837851
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	80 PM2_5	0.022343248

2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	85 PM	0.063837851
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	85 PM10	0.063837851
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	85 PM2_5	0.022343248
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	90 PM	0.063837851
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	90 PM10	0.063837851
2040 Annual	San Mateo (SF)	NonTruck	NG		PMBW	90 PM2_5	0.022343248
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	5 HC	0.014564088
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	5 CO	0.788351466
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	5 NOx	0.010117552
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	5 SOx	0.003310526
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	5 PM	0.001785007
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	5 TOG	0.015768874
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	5 ROG	0.010806537
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	5 CO2	330.4448505
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	5 CH4	0.003436161
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	5 PM10	0.001595796
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	5 PM2_5	0.001467275
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	10 HC	0.006970893
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	10 CO	0.475629751
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	10 NOx	0.006470101
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	10 SOx	0.002326589
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	10 PM	0.001123122
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	10 TOG	0.007547546
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	10 ROG	0.005172395
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	10 CO2	232.3676953
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	10 CH4	0.001817481
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	10 PM10	0.001004071
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	10 PM2_5	0.000923206
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	15 HC	0.004530054
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	15 CO	0.353914605
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	15 NOx	0.00498118
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	15 SOx	0.001892934
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	15 PM	0.000745501
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	15 TOG	0.004904794
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	15 ROG	0.003361295
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	15 CO2	189.113003
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	15 CH4	0.001252181
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	15 PM10	0.000666478
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	15 PM2_5	0.000612802
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	20 HC	0.003336518
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	20 CO	0.286957874
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	20 NOx	0.004137583
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	20 SOx	0.001635241
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	20 PM	0.000522042
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	20 TOG	0.003612525
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	20 ROG	0.002475693
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	20 CO2	163.4001733
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	20 CH4	0.000961316
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	20 PM10	0.000466706
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	20 PM2_5	0.000429119
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	25 HC	0.002631953
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	25 CO	0.243876945
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	25 NOx	0.003582942
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	25 SOx	0.001459788
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	25 PM	0.000385654
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	25 TOG	0.002849677
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	25 ROG	0.001952906
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	25 CO2	145.8888921
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	25 CH4	0.000783105
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	25 PM10	0.000344775
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	25 PM2_5	0.000317007
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	30 HC	0.002168246
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	30 CO	0.213524453
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	30 NOx	0.003185429

2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	30 SOx	0.001330508
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	30 PM	0.000300554
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	30 TOG	0.00234761
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	30 ROG	0.001608836
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	30 CO2	132.9836207
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	30 CH4	0.000662314
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	30 PM10	0.000268695
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	30 PM2_5	0.000247056
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	35 HC	0.001840535
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	35 CO	0.190828575
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	35 NOx	0.002883947
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	35 SOx	0.001230182
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	35 PM	0.000247106
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	35 TOG	0.00199279
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	35 ROG	0.001365675
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	35 CO2	122.9671717
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	35 CH4	0.000574843
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	35 PM10	0.000220913
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	35 PM2_5	0.000203121
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	40 HC	0.001596977
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	40 CO	0.173127987
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	40 NOx	0.002645955
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	40 SOx	0.001149415
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	40 PM	0.000214328
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	40 TOG	0.001729084
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	40 ROG	0.001184955
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	40 CO2	114.9024463
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	40 CH4	0.000508467
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	40 PM10	0.000191609
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	40 PM2_5	0.000176178
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	45 HC	0.001409041
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	45 CO	0.158882875
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	45 NOx	0.002452387
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	45 SOx	0.001082588
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	45 PM	0.000196114
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	45 TOG	0.001525601
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	45 ROG	0.001045507
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	45 CO2	108.2290368
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	45 CH4	0.000456311
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	45 PM10	0.000175326
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	45 PM2_5	0.000161206
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	50 HC	0.001259747
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	50 CO	0.147136316
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	50 NOx	0.002291266
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	50 SOx	0.001026111
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	50 PM	0.00018931
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	50 TOG	0.001363957
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	50 ROG	0.000934731
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	50 CO2	102.5885728
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	50 CH4	0.000414206
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	50 PM10	0.000169244
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	50 PM2_5	0.000155613
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	55 HC	0.001138369
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	55 CO	0.137260195
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	55 NOx	0.002154652
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	55 SOx	0.000977564
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	55 PM	0.000192786
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	55 TOG	0.001232538
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	55 ROG	0.000844668
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	55 CO2	97.73981315
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	55 CH4	0.000379474
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	55 PM10	0.00017235
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	55 PM2_5	0.00015847
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	60 HC	0.0010378

2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	85 PM2_5	0.000209579
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	90 HC	0.000880946
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	90 CO	0.11513107
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	90 NOx	0.001844263
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	90 SOx	0.000864743
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	90 PM	0.000254962
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	90 TOG	0.00095382
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	90 ROG	0.000653661
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	90 CO2	86.47009708
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	90 CH4	0.00030405
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	90 PM10	0.000227936
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	71 RUNEX	90 PM2_5	0.000209579
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	5 HC	0.01013662
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	5 CO	0.099337112
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	5 NOx	0.00907756
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	5 SOx	3.99E-05
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	5 PM	3.18E-05
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	5 TOG	0.010579799
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	5 ROG	0.009663027
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	5 CO2	3.820984024
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	5 CH4	0.002382667
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	5 PM10	2.85E-05
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	5 PM2_5	2.62E-05
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	10 HC	0.013421085
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	10 CO	0.129821798
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	10 NOx	0.011029021
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	10 SOx	4.49E-05
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	10 PM	6.31E-05
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	10 TOG	0.014007863
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	10 ROG	0.01279404
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	10 CO2	4.26494798
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	10 CH4	0.00305427
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	10 PM10	5.64E-05
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	10 PM2_5	5.18E-05
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	20 HC	0.019990017
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	20 CO	0.19079117
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	20 NOx	0.014931942
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	20 SOx	5.64E-05
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	20 PM	0.000123714
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	20 TOG	0.020863992
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	20 ROG	0.019056064
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	20 CO2	5.311017615
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	20 CH4	0.00433133
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	20 PM10	0.0001106
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	20 PM2_5	0.000101693
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	30 HC	0.026558948
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	30 CO	0.251760542
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	30 NOx	0.018834863
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	30 SOx	7.01E-05
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	30 PM	0.000181942
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	30 TOG	0.02772012
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	30 ROG	0.025318089
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	30 CO2	6.567942881
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	30 CH4	0.005549696
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	30 PM10	0.000162656
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	30 PM2_5	0.000149557
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	40 HC	0.033127879
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	40 CO	0.312729914
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	40 NOx	0.022737784
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	40 SOx	8.58E-05
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	40 PM	0.000237751
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	40 TOG	0.034576249
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	40 ROG	0.031580114
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	40 CO2	8.035723778

2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	40 CH4	0.00672669
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	40 PM10	0.000212549
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	40 PM2_5	0.000195431
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	50 HC	0.03969681
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	50 CO	0.373699286
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	50 NOx	0.026640705
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	50 SOx	0.000103651
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	50 PM	0.000291141
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	50 TOG	0.041432378
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	50 ROG	0.037842138
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	50 CO2	9.714360305
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	50 CH4	0.007871857
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	50 PM10	0.00026028
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	50 PM2_5	0.000239318
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	60 HC	0.046265742
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	60 CO	0.434668658
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	60 NOx	0.030543625
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	60 SOx	0.000123604
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	60 PM	0.000342111
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	60 TOG	0.048288507
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	60 ROG	0.044104163
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	60 CO2	11.60385246
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	60 CH4	0.008991263
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	60 PM10	0.000305847
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	60 PM2_5	0.000281215
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	120 HC	0.085679329
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	120 CO	0.80048489
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	120 NOx	0.053961151
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	120 SOx	0.000286289
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	120 PM	0.000567596
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	120 TOG	0.089425279
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	120 ROG	0.08167631
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	120 CO2	27.24655381
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	120 CH4	0.015340622
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	120 PM10	0.000507431
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	120 PM2_5	0.000466564
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	180 HC	0.125469645
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	180 CO	1.122679994
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	180 NOx	0.048224082
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	180 SOx	0.000321494
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	180 PM	0.0006365
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	180 TOG	0.130955251
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	180 ROG	0.119607585
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	180 CO2	30.90140941
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	180 CH4	0.021240488
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	180 PM10	0.000569031
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	180 PM2_5	0.000523203
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	240 HC	0.128016409
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	240 CO	1.094094769
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	240 NOx	0.053453996
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	240 SOx	0.000357756
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	240 PM	0.000697677
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	240 TOG	0.13361336
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	240 ROG	0.122035362
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	240 CO2	34.55626501
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	240 CH4	0.021682428
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	240 PM10	0.000623724
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	240 PM2_5	0.000573491
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	300 HC	0.130563173
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	300 CO	1.065509545
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	300 NOx	0.058683911
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	300 SOx	0.000394018
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	300 PM	0.000751129
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	300 TOG	0.13627147

2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	300 ROG	0.124463139
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	300 CO2	38.21112061
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	300 CH4	0.022117706
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	300 PM10	0.00067151
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	300 PM2_5	0.000617428
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	360 HC	0.133109937
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	360 CO	1.03692432
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	360 NOx	0.063913825
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	360 SOx	0.00043028
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	360 PM	0.000796855
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	360 TOG	0.13892958
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	360 ROG	0.126890915
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	360 CO2	41.86597621
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	360 CH4	0.02254737
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	360 PM10	0.000712389
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	360 PM2_5	0.000655015
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	420 HC	0.135656701
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	420 CO	1.008339095
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	420 NOx	0.06914374
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	420 SOx	0.000466542
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	420 PM	0.000834856
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	420 TOG	0.14158769
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	420 ROG	0.129318692
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	420 CO2	45.52083181
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	420 CH4	0.022972188
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	420 PM10	0.000746361
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	420 PM2_5	0.000686251
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	480 HC	0.138203464
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	480 CO	0.979753871
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	480 NOx	0.074373655
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	480 SOx	0.000502803
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	480 PM	0.00086513
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	480 TOG	0.1442458
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	480 ROG	0.131746468
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	480 CO2	49.17568741
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	480 CH4	0.023392748
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	480 PM10	0.000773426
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	480 PM2_5	0.000711137
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	540 HC	0.140750228
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	540 CO	0.951168646
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	540 NOx	0.079603569
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	540 SOx	0.000539065
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	540 PM	0.000887679
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	540 TOG	0.14690391
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	540 ROG	0.134174245
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	540 CO2	52.830543
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	540 CH4	0.023809514
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	540 PM10	0.000793585
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	540 PM2_5	0.000729672
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	600 HC	0.143296992
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	600 CO	0.922583422
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	600 NOx	0.084833484
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	600 SOx	0.000575327
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	600 PM	0.000902501
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	600 TOG	0.149562019
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	600 ROG	0.136602022
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	600 CO2	56.4853986
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	600 CH4	0.024222857
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	600 PM10	0.000806836
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	600 PM2_5	0.000741856
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	660 HC	0.145843756
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	660 CO	0.893998197
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	660 NOx	0.090063398
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	660 SOx	0.000611589

2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	660 PM	0.000909598
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	660 TOG	0.152220129
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	660 ROG	0.139029798
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	660 CO2	60.1402542
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	660 CH4	0.024633085
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	660 PM10	0.000813181
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	660 PM2_5	0.00074769
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	720 HC	0.155081648
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	720 CO	0.880511815
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	720 NOx	0.102036997
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	720 SOx	0.000648136
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	720 PM	0.000908967
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	720 TOG	0.161861907
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	720 ROG	0.147836087
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	720 CO2	63.79512001
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	720 CH4	0.026186262
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	720 PM10	0.000812616
2040 Annual	San Mateo (SF)	NonTruck	Phe	60	STREX	720 PM2_5	0.000747171
2040 Annual	San Mateo (SF)	NonTruck	Phe		HOTSOAK	HC	0.011528714
2040 Annual	San Mateo (SF)	NonTruck	Phe		HOTSOAK	TOG	0.012325685
2040 Annual	San Mateo (SF)	NonTruck	Phe		HOTSOAK	ROG	0.012325685
2040 Annual	San Mateo (SF)	NonTruck	Phe		RUNLOSS	HC	0.474358697
2040 Annual	San Mateo (SF)	NonTruck	Phe		RUNLOSS	TOG	0.507150765
2040 Annual	San Mateo (SF)	NonTruck	Phe		RUNLOSS	ROG	0.507150765
2040 Annual	San Mateo (SF)	NonTruck	Phe		DIURN	HC	0.026396308
2040 Annual	San Mateo (SF)	NonTruck	Phe		DIURN	TOG	0.028670715
2040 Annual	San Mateo (SF)	NonTruck	Phe		DIURN	ROG	0.028670715
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMTW	PM	0.008
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMTW	PM10	0.008
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMTW	PM2_5	0.002
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	5 PM	0.00133251
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	5 PM10	0.00133251
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	5 PM2_5	0.000466379
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	10 PM	0.002357775
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	10 PM10	0.002357775
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	10 PM2_5	0.000825221
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	15 PM	0.003383039
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	15 PM10	0.003383039
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	15 PM2_5	0.001184064
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	20 PM	0.004411644
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	20 PM10	0.004411644
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	20 PM2_5	0.001544075
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	25 PM	0.005019455
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	25 PM10	0.005019455
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	25 PM2_5	0.001756809
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	30 PM	0.005209814
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	30 PM10	0.005209814
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	30 PM2_5	0.001823435
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	35 PM	0.005403512
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	35 PM10	0.005403512
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	35 PM2_5	0.001891229
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	40 PM	0.004989399
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	40 PM10	0.004989399
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	40 PM2_5	0.00174629
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	45 PM	0.003964134
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	45 PM10	0.003964134
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	45 PM2_5	0.001387447
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	50 PM	0.002942209
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	50 PM10	0.002942209
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	50 PM2_5	0.001029773
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	55 PM	0.002170756
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	55 PM10	0.002170756
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	55 PM2_5	0.000759765
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	60 PM	0.001649774

2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	60 PM10	0.001649774
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	60 PM2_5	0.000577421
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	65 PM	0.001132133
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	65 PM10	0.001132133
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	65 PM2_5	0.000396246
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	70 PM	0.001132133
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	70 PM10	0.001132133
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	70 PM2_5	0.000396246
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	75 PM	0.001132133
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	75 PM10	0.001132133
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	75 PM2_5	0.000396246
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	80 PM	0.001132133
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	80 PM10	0.001132133
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	80 PM2_5	0.000396246
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	85 PM	0.001132133
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	85 PM10	0.001132133
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	85 PM2_5	0.000396246
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	90 PM	0.001132133
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	90 PM10	0.001132133
2040 Annual	San Mateo (SF)	NonTruck	Phe		PMBW	90 PM2_5	0.000396246
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	5 HC	0.125281739
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	5 CO	0.56731054
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	5 NOx	0.517634213
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	5 SOx	0.010846884
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	5 PM	0.036848078
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	5 TOG	0.180618683
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	5 ROG	0.158655451
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	5 CO2	1136.52256
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	5 CH4	0.007369242
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	5 PM10	0.036626989
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	5 PM2_5	0.035042522
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	10 HC	0.11250497
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	10 CO	0.474848347
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	10 NOx	0.442213556
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	10 SOx	0.009457214
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	10 PM	0.031943578
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	10 TOG	0.162198415
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	10 ROG	0.142475088
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	10 CO2	990.9146801
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	10 CH4	0.006617695
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	10 PM10	0.031751916
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	10 PM2_5	0.030378342
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	15 HC	0.100781169
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	15 CO	0.392535015
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	15 NOx	0.375796152
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	15 SOx	0.008211056
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	15 PM	0.027581114
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	15 TOG	0.145296212
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	15 ROG	0.127628193
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	15 CO2	860.3438474
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	15 CH4	0.005928086
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	15 PM10	0.027415628
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	15 PM2_5	0.02622964
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	20 HC	0.089924516
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	20 CO	0.319564375
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	20 NOx	0.318379618
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	20 SOx	0.007129874
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	20 PM	0.023721792
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	20 TOG	0.129644174
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	20 ROG	0.113879443
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	20 CO2	747.0590414
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	20 CH4	0.005289482
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	20 PM10	0.023579462
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	20 PM2_5	0.022559425

2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	25 HC	0.079830241
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	25 CO	0.255487975
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	25 NOx	0.2699961355
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	25 SOx	0.006203024
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	25 PM	0.020343682
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	25 TOG	0.115091259
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	25 ROG	0.101096162
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	25 CO2	649.9448194
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	25 CH4	0.004695723
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	25 PM10	0.02022162
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	25 PM2_5	0.019346841
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	30 HC	0.070437845
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	30 CO	0.200052354
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	30 NOx	0.230538626
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	30 SOx	0.005429528
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	30 PM	0.017434119
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	30 TOG	0.101550241
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	30 ROG	0.089201732
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	30 CO2	568.8989626
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	30 CH4	0.00414325
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	30 PM10	0.017329514
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	30 PM2_5	0.016579847
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	35 HC	0.061711881
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	35 CO	0.153115679
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	35 NOx	0.200108063
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	35 SOx	0.004811001
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	35 PM	0.014985684
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	35 TOG	0.088970018
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	35 ROG	0.078151264
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	35 CO2	504.0905287
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	35 CH4	0.003629977
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	35 PM10	0.01489577
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	35 PM2_5	0.014251385
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	40 HC	0.053631668
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	40 CO	0.114604717
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	40 NOx	0.178666402
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	40 SOx	0.004344339
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	40 PM	0.012994048
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	40 TOG	0.077320776
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	40 ROG	0.06791857
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	40 CO2	455.1942477
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	40 CH4	0.003154688
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	40 PM10	0.012916083
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	40 PM2_5	0.012357339
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	45 HC	0.046185768
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	45 CO	0.084494236
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	45 NOx	0.166210484
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	45 SOx	0.004030294
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	45 PM	0.011456816
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	45 TOG	0.066586022
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	45 ROG	0.058489161
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	45 CO2	422.288999
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	45 CH4	0.00271671
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	45 PM10	0.011388075
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	45 PM2_5	0.010895432
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	50 HC	0.039369119
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	50 CO	0.062800125
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	50 NOx	0.162736098
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	50 SOx	0.003870441
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	50 PM	0.01037293
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	50 TOG	0.056758459
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	50 ROG	0.04985663
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	50 CO2	405.5398284
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	50 CH4	0.002315745

2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	50 PM10	0.010310693
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	50 PM2_5	0.009864657
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	55 HC	0.033181832
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	55 CO	0.049583655
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	55 NOx	0.168239384
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	55 SOx	0.003863147
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	55 PM	0.009742412
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	55 TOG	0.047838247
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	55 ROG	0.042021117
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	55 CO2	404.7756104
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	55 CH4	0.001951801
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	55 PM10	0.009683958
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	55 PM2_5	0.009265034
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	60 HC	0.027629211
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	60 CO	0.044968753
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	60 NOx	0.182716131
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	60 SOx	0.004007685
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	60 PM	0.009566373
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	60 TOG	0.039833034
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	60 ROG	0.034989337
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	60 CO2	419.9200379
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	60 CH4	0.001625188
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	60 PM10	0.009508975
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	60 PM2_5	0.009097621
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	65 HC	0.022723033
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	65 CO	0.049178539
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	65 NOx	0.206162128
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	65 SOx	0.004304838
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	65 PM	0.009847278
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	65 TOG	0.032759797
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	65 ROG	0.028776205
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	65 CO2	451.0554333
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	65 CH4	0.0013366
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	65 PM10	0.009788194
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	65 PM2_5	0.009364762
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	70 HC	0.018369205
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	70 CO	0.060978585
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	70 NOx	0.237752684
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	70 SOx	0.004754088
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	70 PM	0.010565431
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	70 TOG	0.026482883
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	70 ROG	0.023262565
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	70 CO2	498.1271968
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	70 CH4	0.001080502
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	70 PM10	0.010502039
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	70 PM2_5	0.010047725
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	75 HC	0.018369205
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	75 CO	0.060978585
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	75 NOx	0.237752684
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	75 SOx	0.004754088
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	75 PM	0.010565431
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	75 TOG	0.026482883
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	75 ROG	0.023262565
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	75 CO2	498.1271968
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	75 CH4	0.001080502
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	75 PM10	0.010502039
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	75 PM2_5	0.010047725
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	80 HC	0.018369205
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	80 CO	0.060978585
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	80 NOx	0.237752684
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	80 SOx	0.004754088
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	80 PM	0.010565431
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	80 TOG	0.026482883
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	80 ROG	0.023262565

2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	80 CO2	498.1271968
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	80 CH4	0.001080502
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	80 PM10	0.010502039
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	80 PM2_5	0.010047725
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	85 HC	0.018369205
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	85 CO	0.060978585
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	85 NOx	0.237752684
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	85 SOx	0.004754088
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	85 PM	0.010565431
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	85 TOG	0.026482883
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	85 ROG	0.023262565
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	85 CO2	498.1271968
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	85 CH4	0.001080502
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	85 PM10	0.010502039
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	85 PM2_5	0.010047725
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	90 HC	0.018369205
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	90 CO	0.060978585
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	90 NOx	0.237752684
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	90 SOx	0.004754088
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	90 PM	0.010565431
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	90 TOG	0.026482883
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	90 ROG	0.023262565
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	90 CO2	498.1271968
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	90 CH4	0.001080502
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	90 PM10	0.010502039
2040 Annual	San Mateo (SF)	Truck1	Dsl	60	71 RUNEX	90 PM2_5	0.010047725
2040 Annual	San Mateo (SF)	Truck1	Dsl		IDLEX	HC	2.5056
2040 Annual	San Mateo (SF)	Truck1	Dsl		IDLEX	CO	26.3
2040 Annual	San Mateo (SF)	Truck1	Dsl		IDLEX	NOx	26.64625763
2040 Annual	San Mateo (SF)	Truck1	Dsl		IDLEX	SOx	0.037757512
2040 Annual	San Mateo (SF)	Truck1	Dsl		IDLEX	PM	0.801328537
2040 Annual	San Mateo (SF)	Truck1	Dsl		IDLEX	TOG	3.61232352
2040 Annual	San Mateo (SF)	Truck1	Dsl		IDLEX	ROG	3.17306498
2040 Annual	San Mateo (SF)	Truck1	Dsl		IDLEX	CO2	3956.183497
2040 Annual	San Mateo (SF)	Truck1	Dsl		IDLEX	CH4	0.147382803
2040 Annual	San Mateo (SF)	Truck1	Dsl		IDLEX	PM10	0.796520566
2040 Annual	San Mateo (SF)	Truck1	Dsl		IDLEX	PM2_5	0.762063438
2040 Annual	San Mateo (SF)	Truck1	Dsl		PMTW	PM	0.012
2040 Annual	San Mateo (SF)	Truck1	Dsl		PMTW	PM10	0.012
2040 Annual	San Mateo (SF)	Truck1	Dsl		PMTW	PM2_5	0.003
2040 Annual	San Mateo (SF)	Truck1	Dsl		PMBW	5 PM	0.082092929
2040 Annual	San Mateo (SF)	Truck1	Dsl		PMBW	5 PM10	0.082092929
2040 Annual	San Mateo (SF)	Truck1	Dsl		PMBW	5 PM2_5	0.028732525
2040 Annual	San Mateo (SF)	Truck1	Dsl		PMBW	10 PM	0.082092929
2040 Annual	San Mateo (SF)	Truck1	Dsl		PMBW	10 PM10	0.082092929
2040 Annual	San Mateo (SF)	Truck1	Dsl		PMBW	10 PM2_5	0.028732525
2040 Annual	San Mateo (SF)	Truck1	Dsl		PMBW	15 PM	0.082092929
2040 Annual	San Mateo (SF)	Truck1	Dsl		PMBW	15 PM10	0.082092929
2040 Annual	San Mateo (SF)	Truck1	Dsl		PMBW	15 PM2_5	0.028732525
2040 Annual	San Mateo (SF)	Truck1	Dsl		PMBW	20 PM	0.082092929
2040 Annual	San Mateo (SF)	Truck1	Dsl		PMBW	20 PM10	0.082092929
2040 Annual	San Mateo (SF)	Truck1	Dsl		PMBW	20 PM2_5	0.028732525
2040 Annual	San Mateo (SF)	Truck1	Dsl		PMBW	25 PM	0.082092929
2040 Annual	San Mateo (SF)	Truck1	Dsl		PMBW	25 PM10	0.082092929
2040 Annual	San Mateo (SF)	Truck1	Dsl		PMBW	25 PM2_5	0.028732525
2040 Annual	San Mateo (SF)	Truck1	Dsl		PMBW	30 PM	0.082092929
2040 Annual	San Mateo (SF)	Truck1	Dsl		PMBW	30 PM10	0.082092929
2040 Annual	San Mateo (SF)	Truck1	Dsl		PMBW	30 PM2_5	0.028732525
2040 Annual	San Mateo (SF)	Truck1	Dsl		PMBW	35 PM	0.082092929
2040 Annual	San Mateo (SF)	Truck1	Dsl		PMBW	35 PM10	0.082092929
2040 Annual	San Mateo (SF)	Truck1	Dsl		PMBW	35 PM2_5	0.028732525
2040 Annual	San Mateo (SF)	Truck1	Dsl		PMBW	40 PM	0.082092929
2040 Annual	San Mateo (SF)	Truck1	Dsl		PMBW	40 PM10	0.082092929
2040 Annual	San Mateo (SF)	Truck1	Dsl		PMBW	40 PM2_5	0.028732525

2040 Annual	San Mateo (SF)	Truck1	Elec		PMBW	55 PM10	0.040258086
2040 Annual	San Mateo (SF)	Truck1	Elec		PMBW	55 PM2_5	0.01409033
2040 Annual	San Mateo (SF)	Truck1	Elec		PMBW	60 PM	0.040258086
2040 Annual	San Mateo (SF)	Truck1	Elec		PMBW	60 PM10	0.040258086
2040 Annual	San Mateo (SF)	Truck1	Elec		PMBW	60 PM2_5	0.01409033
2040 Annual	San Mateo (SF)	Truck1	Elec		PMBW	65 PM	0.040258086
2040 Annual	San Mateo (SF)	Truck1	Elec		PMBW	65 PM10	0.040258086
2040 Annual	San Mateo (SF)	Truck1	Elec		PMBW	65 PM2_5	0.01409033
2040 Annual	San Mateo (SF)	Truck1	Elec		PMBW	70 PM	0.040258086
2040 Annual	San Mateo (SF)	Truck1	Elec		PMBW	70 PM10	0.040258086
2040 Annual	San Mateo (SF)	Truck1	Elec		PMBW	70 PM2_5	0.01409033
2040 Annual	San Mateo (SF)	Truck1	Elec		PMBW	75 PM	0.040258086
2040 Annual	San Mateo (SF)	Truck1	Elec		PMBW	75 PM10	0.040258086
2040 Annual	San Mateo (SF)	Truck1	Elec		PMBW	75 PM2_5	0.01409033
2040 Annual	San Mateo (SF)	Truck1	Elec		PMBW	80 PM	0.040258086
2040 Annual	San Mateo (SF)	Truck1	Elec		PMBW	80 PM10	0.040258086
2040 Annual	San Mateo (SF)	Truck1	Elec		PMBW	80 PM2_5	0.01409033
2040 Annual	San Mateo (SF)	Truck1	Elec		PMBW	85 PM	0.040258086
2040 Annual	San Mateo (SF)	Truck1	Elec		PMBW	85 PM10	0.040258086
2040 Annual	San Mateo (SF)	Truck1	Elec		PMBW	85 PM2_5	0.01409033
2040 Annual	San Mateo (SF)	Truck1	Elec		PMBW	90 PM	0.040258086
2040 Annual	San Mateo (SF)	Truck1	Elec		PMBW	90 PM10	0.040258086
2040 Annual	San Mateo (SF)	Truck1	Elec		PMBW	90 PM2_5	0.01409033
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	5 HC	0.014295283
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	5 CO	1.380550544
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	5 NOx	0.024966019
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	5 SOx	0.01315845
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	5 PM	0.002557165
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	5 TOG	0.015477833
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	5 ROG	0.010607084
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	5 CO2	1316.313943
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	5 CH4	0.003728605
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	5 PM10	0.002286105
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	5 PM2_5	0.002101989
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	10 HC	0.011087516
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	10 CO	1.094959253
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	10 NOx	0.022231704
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	10 SOx	0.011364581
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	10 PM	0.002149712
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	10 TOG	0.012004708
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	10 ROG	0.008226924
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	10 CO2	1137.026737
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	10 CH4	0.003012393
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	10 PM10	0.001921842
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	10 PM2_5	0.001767063
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	15 HC	0.008502588
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	15 CO	0.850853981
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	15 NOx	0.020057807
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	15 SOx	0.009772472
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	15 PM	0.001812002
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	15 TOG	0.009205948
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	15 ROG	0.006308911
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	15 CO2	977.888125
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	15 CH4	0.002402752
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	15 PM10	0.00161993
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	15 PM2_5	0.001489466
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	20 HC	0.006382959
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	20 CO	0.648221447
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	20 NOx	0.018380695
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	20 SOx	0.008380487
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	20 PM	0.001534091
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	20 TOG	0.006910977
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	20 ROG	0.004736148
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	20 CO2	838.7346317

2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	20 CH4	0.001877826
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	20 PM10	0.001371478
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	20 PM2_5	0.001261023
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	25 HC	0.004647386
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	25 CO	0.487050155
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	25 NOx	0.017154187
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	25 SOx	0.007187154
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	25 PM	0.00131085
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	25 TOG	0.005031832
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	25 ROG	0.003448355
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	25 CO2	719.4191278
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	25 CH4	0.00142696
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	25 PM10	0.0011719
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	25 PM2_5	0.001077519
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	30 HC	0.003252543
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	30 CO	0.367330281
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	30 NOx	0.016344331
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	30 SOx	0.006190677
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	30 PM	0.001139543
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	30 TOG	0.003521603
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	30 ROG	0.002413383
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	30 CO2	619.7617904
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	30 CH4	0.001045878
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	30 PM10	0.001018752
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	30 PM2_5	0.000936704
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	35 HC	0.002174649
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	35 CO	0.289053315
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	35 NOx	0.015926777
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	35 SOx	0.005389424
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	35 PM	0.00101867
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	35 TOG	0.002354542
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	35 ROG	0.001613587
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	35 CO2	539.5991426
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	35 CH4	0.000734496
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	35 PM10	0.000910691
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	35 PM2_5	0.000837346
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	40 HC	0.001400407
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	40 CO	0.25221187
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	40 NOx	0.015884193
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	40 SOx	0.004781763
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	40 PM	0.00094739
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	40 TOG	0.001516253
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	40 ROG	0.0010391
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	40 CO2	478.7677092
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	40 CH4	0.000496313
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	40 PM10	0.000846967
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	40 PM2_5	0.000778755
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	45 HC	0.000922424
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	45 CO	0.256799551
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	45 NOx	0.016204899
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	45 SOx	0.004366062
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	45 PM	0.000925238
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	45 TOG	0.000998729
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	45 ROG	0.000684437
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	45 CO2	437.1040132
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	45 CH4	0.000338963
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	45 PM10	0.000827163
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	45 PM2_5	0.000760545
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	50 HC	0.000736879
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	50 CO	0.302810801
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	50 NOx	0.016881848
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	50 SOx	0.004140854
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	50 PM	0.000951971
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	50 TOG	0.000797836

2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	50 ROG	0.000546764
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	50 CO2	414.4609271
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	50 CH4	0.000274384
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	50 PM10	0.000851062
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	50 PM2_5	0.00078252
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	55 HC	0.000842405
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	55 CO	0.390240791
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	55 NOx	0.017912058
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	55 SOx	0.004104343
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	55 PM	0.001027505
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	55 TOG	0.000912091
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	55 ROG	0.000625063
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	55 CO2	410.6586262
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	55 CH4	0.000311478
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	55 PM10	0.000918589
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	55 PM2_5	0.000844609
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	60 HC	0.001239695
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	60 CO	0.519085319
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	60 NOx	0.019296362
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	60 SOx	0.004254898
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	60 PM	0.001151881
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	60 TOG	0.001342246
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	60 ROG	0.000919852
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	60 CO2	425.5336354
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	60 CH4	0.00044467
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	60 PM10	0.001029782
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	60 PM2_5	0.000946847
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	65 HC	0.001931705
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	65 CO	0.689340718
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	65 NOx	0.02103947
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	65 SOx	0.004591051
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	65 PM	0.001325288
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	65 TOG	0.002091501
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	65 ROG	0.001433323
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	65 CO2	458.9388253
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	65 CH4	0.000661569
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	65 PM10	0.001184808
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	65 PM2_5	0.001089387
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	70 HC	0.002893383
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	70 CO	0.901118876
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	70 NOx	0.02300095
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	70 SOx	0.005110845
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	70 PM	0.001546144
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	70 TOG	0.003132733
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	70 ROG	0.002146887
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	70 CO2	510.6780247
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	70 CH4	0.000946236
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	70 PM10	0.001382252
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	70 PM2_5	0.00127093
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	75 HC	0.002893383
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	75 CO	0.901118876
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	75 NOx	0.02300095
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	75 SOx	0.005110845
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	75 PM	0.001546144
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	75 TOG	0.003132733
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	75 ROG	0.002146887
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	75 CO2	510.6780247
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	75 CH4	0.000946236
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	75 PM10	0.001382252
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	75 PM2_5	0.00127093
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	80 HC	0.002893383
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	80 CO	0.901118876
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	80 NOx	0.02300095
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	80 SOx	0.005110845

2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	80 PM	0.001546144
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	80 TOG	0.003132733
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	80 ROG	0.002146887
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	80 CO2	510.6780247
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	80 CH4	0.000946236
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	80 PM10	0.001382252
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	80 PM2_5	0.00127093
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	85 HC	0.002893383
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	85 CO	0.901118876
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	85 NOx	0.02300095
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	85 SOx	0.005110845
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	85 PM	0.001546144
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	85 TOG	0.003132733
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	85 ROG	0.002146887
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	85 CO2	510.6780247
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	85 CH4	0.000946236
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	85 PM10	0.001382252
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	85 PM2_5	0.00127093
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	90 HC	0.002893383
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	90 CO	0.901118876
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	90 NOx	0.02300095
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	90 SOx	0.005110845
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	90 PM	0.001546144
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	90 TOG	0.003132733
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	90 ROG	0.002146887
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	90 CO2	510.6780247
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	90 CH4	0.000946236
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	90 PM10	0.001382252
2040 Annual	San Mateo (SF)	Truck1	Gas	60	71 RUNEX	90 PM2_5	0.00127093
2040 Annual	San Mateo (SF)	Truck1	Gas		IDLEX	HC	15.5999504
2040 Annual	San Mateo (SF)	Truck1	Gas		IDLEX	CO	155.23
2040 Annual	San Mateo (SF)	Truck1	Gas		IDLEX	NOx	1.007819034
2040 Annual	San Mateo (SF)	Truck1	Gas		IDLEX	SOx	0.04437273
2040 Annual	San Mateo (SF)	Truck1	Gas		IDLEX	TOG	16.8904257
2040 Annual	San Mateo (SF)	Truck1	Gas		IDLEX	ROG	11.57514588
2040 Annual	San Mateo (SF)	Truck1	Gas		IDLEX	CO2	4153.217827
2040 Annual	San Mateo (SF)	Truck1	Gas		IDLEX	CH4	1.607055859
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	5 HC	0.018216352
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	5 CO	0.664991884
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	5 NOx	0.37705587
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	5 SOx	8.89E-05
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	5 PM	2.85E-05
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	5 TOG	0.019012781
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	5 ROG	0.017365266
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	5 CO2	7.821650351
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	5 CH4	0.004622087
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	5 PM10	2.54E-05
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	5 PM2_5	2.34E-05
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	10 HC	0.036164882
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	10 CO	1.3170656
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	10 NOx	0.388206422
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	10 SOx	0.000109336
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	10 PM	5.63E-05
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	10 TOG	0.037746032
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	10 ROG	0.034475225
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	10 CO2	8.799635724
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	10 CH4	0.008365243
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	10 PM10	5.03E-05
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	10 PM2_5	4.62E-05
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	20 HC	0.071258482
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	20 CO	2.582458528
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	20 NOx	0.40898265
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	20 SOx	0.00015273
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	20 PM	0.000109868

2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	20 TOG	0.074373944
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	20 ROG	0.067929219
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	20 CO2	11.07475889
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	20 CH4	0.015048345
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	20 PM10	9.82E-05
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	20 PM2_5	9.03E-05
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	30 HC	0.105280799
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	30 CO	3.796178785
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	30 NOx	0.427725712
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	30 SOx	0.000199537
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	30 PM	0.000160832
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	30 TOG	0.109883737
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	30 ROG	0.100361981
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	30 CO2	13.7754186
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	30 CH4	0.021106627
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	30 PM10	0.000143784
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	30 PM2_5	0.000132204
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	40 HC	0.138231834
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	40 CO	4.958226369
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	40 NOx	0.444435607
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	40 SOx	0.000249756
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	40 PM	0.000209151
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	40 TOG	0.144275409
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	40 ROG	0.131773512
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	40 CO2	16.90161487
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	40 CH4	0.026732912
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	40 PM10	0.000186981
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	40 PM2_5	0.000171922
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	50 HC	0.170111586
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	50 CO	6.068601282
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	50 NOx	0.459112336
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	50 SOx	0.000303387
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	50 PM	0.000254824
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	50 TOG	0.177548962
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	50 ROG	0.162163812
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	50 CO2	20.4533477
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	50 CH4	0.032015147
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	50 PM10	0.000227812
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	50 PM2_5	0.000209465
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	60 HC	0.200920055
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	60 CO	7.127303523
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	60 NOx	0.471755898
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	60 SOx	0.000360432
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	60 PM	0.00029785
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	60 TOG	0.209704396
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	60 ROG	0.191532881
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	60 CO2	24.43061708
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	60 CH4	0.037003751
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	60 PM10	0.000266278
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	60 PM2_5	0.000244833
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	120 HC	0.365674961
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	120 CO	11.89342611
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	120 NOx	0.519847095
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	120 SOx	0.000760252
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	120 PM	0.000479167
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	120 TOG	0.381662482
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	120 ROG	0.348590283
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	120 CO2	56.77142479
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	120 CH4	0.062235822
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	120 PM10	0.000428376
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	120 PM2_5	0.000393876
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	180 HC	0.490700024
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	180 CO	21.36569151
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	180 NOx	0.513068074

2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	180 SOx	0.00085969
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	180 PM	0.000530759
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	180 TOG	0.512153713
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	180 ROG	0.467774057
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	180 CO2	64.46045335
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	180 CH4	0.080449632
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	180 PM10	0.000474499
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	180 PM2_5	0.000436284
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	240 HC	0.522411339
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	240 CO	23.40059247
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	240 NOx	0.508963353
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	240 SOx	0.000956509
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	240 PM	0.000576869
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	240 TOG	0.545251465
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	240 ROG	0.49800379
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	240 CO2	72.13279096
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	240 CH4	0.084930409
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	240 PM10	0.000515721
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	240 PM2_5	0.000474186
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	300 HC	0.554058674
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	300 CO	25.17981402
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	300 NOx	0.50211138
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	300 SOx	0.001050709
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	300 PM	0.000617497
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	300 TOG	0.57828244
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	300 ROG	0.528172531
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	300 CO2	79.78843764
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	300 CH4	0.089366537
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	300 PM10	0.000552042
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	300 PM2_5	0.000507582
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	360 HC	0.58564203
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	360 CO	26.70335616
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	360 NOx	0.492512154
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	360 SOx	0.001142291
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	360 PM	0.000652642
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	360 TOG	0.611246638
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	360 ROG	0.558280283
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	360 CO2	87.42739338
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	360 CH4	0.093760564
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	360 PM10	0.000583462
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	360 PM2_5	0.000536472
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	420 HC	0.617161406
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	420 CO	27.97121888
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	420 NOx	0.480165677
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	420 SOx	0.001231254
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	420 PM	0.000682306
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	420 TOG	0.644144059
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	420 ROG	0.588327044
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	420 CO2	95.04965819
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	420 CH4	0.098114735
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	420 PM10	0.000609982
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	420 PM2_5	0.000560856
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	480 HC	0.648616802
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	480 CO	28.98340219
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	480 NOx	0.465071946
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	480 SOx	0.001317599
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	480 PM	0.000706487
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	480 TOG	0.676974703
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	480 ROG	0.618312814
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	480 CO2	102.6552321
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	480 CH4	0.102431051
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	480 PM10	0.0006316
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	480 PM2_5	0.000580733
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	540 HC	0.680008218

2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	540 CO	29.73990608
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	540 NOx	0.447230964
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	540 SOx	0.001401325
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	540 PM	0.000725187
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	540 TOG	0.70973857
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	540 ROG	0.648237594
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	540 CO2	110.244115
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	540 CH4	0.106711299
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	540 PM10	0.000648317
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	540 PM2_5	0.000596103
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	600 HC	0.711335655
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	600 CO	30.24073056
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	600 NOx	0.42664273
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	600 SOx	0.001482432
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	600 PM	0.000738404
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	600 TOG	0.742435661
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	600 ROG	0.678101383
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	600 CO2	117.816307
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	600 CH4	0.110957086
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	600 PM10	0.000660133
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	600 PM2_5	0.000606968
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	660 HC	0.742599112
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	660 CO	30.48587563
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	660 NOx	0.403307243
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	660 SOx	0.00156092
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	660 PM	0.000746139
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	660 TOG	0.775065974
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	660 ROG	0.707904182
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	660 CO2	125.371808
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	660 CH4	0.115169867
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	660 PM10	0.000667048
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	660 PM2_5	0.000613326
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	720 HC	0.773896541
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	720 CO	30.47561322
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	720 NOx	0.377668244
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	720 SOx	0.001636866
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	720 PM	0.000748479
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	720 TOG	0.807731745
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	720 ROG	0.737739366
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	720 CO2	132.9177594
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	720 CH4	0.119362499
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	720 PM10	0.000669141
2040 Annual	San Mateo (SF)	Truck1	Gas	60	STREX	720 PM2_5	0.00061525
2040 Annual	San Mateo (SF)	Truck1	Gas		HOTSOAK	HC	0.017463618
2040 Annual	San Mateo (SF)	Truck1	Gas		HOTSOAK	TOG	0.018670865
2040 Annual	San Mateo (SF)	Truck1	Gas		HOTSOAK	ROG	0.018670865
2040 Annual	San Mateo (SF)	Truck1	Gas		RUNLOSS	HC	1.33284716
2040 Annual	San Mateo (SF)	Truck1	Gas		RUNLOSS	TOG	1.424985905
2040 Annual	San Mateo (SF)	Truck1	Gas		RUNLOSS	ROG	1.424985905
2040 Annual	San Mateo (SF)	Truck1	Gas		DIURN	HC	0.070788255
2040 Annual	San Mateo (SF)	Truck1	Gas		DIURN	TOG	0.076887642
2040 Annual	San Mateo (SF)	Truck1	Gas		DIURN	ROG	0.076887642
2040 Annual	San Mateo (SF)	Truck1	Gas		PMTW	PM	0.008
2040 Annual	San Mateo (SF)	Truck1	Gas		PMTW	PM10	0.008
2040 Annual	San Mateo (SF)	Truck1	Gas		PMTW	PM2_5	0.002
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	5 PM	0.079298023
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	5 PM10	0.079298023
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	5 PM2_5	0.027754308
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	10 PM	0.079298023
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	10 PM10	0.079298023
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	10 PM2_5	0.027754308
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	15 PM	0.079298023
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	15 PM10	0.079298023
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	15 PM2_5	0.027754308

2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	20 PM	0.079298023
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	20 PM10	0.079298023
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	20 PM2_5	0.027754308
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	25 PM	0.079298023
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	25 PM10	0.079298023
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	25 PM2_5	0.027754308
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	30 PM	0.079298023
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	30 PM10	0.079298023
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	30 PM2_5	0.027754308
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	35 PM	0.079298023
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	35 PM10	0.079298023
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	35 PM2_5	0.027754308
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	40 PM	0.079298023
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	40 PM10	0.079298023
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	40 PM2_5	0.027754308
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	45 PM	0.079298023
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	45 PM10	0.079298023
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	45 PM2_5	0.027754308
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	50 PM	0.079298023
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	50 PM10	0.079298023
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	50 PM2_5	0.027754308
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	55 PM	0.079298023
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	55 PM10	0.079298023
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	55 PM2_5	0.027754308
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	60 PM	0.079298023
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	60 PM10	0.079298023
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	60 PM2_5	0.027754308
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	65 PM	0.079298023
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	65 PM10	0.079298023
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	65 PM2_5	0.027754308
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	70 PM	0.079298023
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	70 PM10	0.079298023
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	70 PM2_5	0.027754308
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	75 PM	0.079298023
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	75 PM10	0.079298023
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	75 PM2_5	0.027754308
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	80 PM	0.079298023
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	80 PM10	0.079298023
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	80 PM2_5	0.027754308
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	85 PM	0.079298023
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	85 PM10	0.079298023
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	85 PM2_5	0.027754308
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	90 PM	0.079298023
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	90 PM10	0.079298023
2040 Annual	San Mateo (SF)	Truck1	Gas		PMBW	90 PM2_5	0.027754308
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	5 HC	0.074861206
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	5 CO	0.554569628
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	5 NOx	5.319053709
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	5 SOx	0.022175263
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	5 PM	0.008661396
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	5 TOG	0.107927401
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	5 ROG	0.094804232
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	5 CO2	2324.337111
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	5 CH4	0.004403411
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	5 PM10	0.008609428
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	5 PM2_5	0.008236988
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	10 HC	0.041674745
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	10 CO	0.352009053
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	10 NOx	3.799375513
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	10 SOx	0.018713522
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	10 PM	0.006977376
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	10 TOG	0.060082479
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	10 ROG	0.052776897
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	10 CO2	1961.488949

2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	10 CH4	0.00245135
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	10 PM10	0.006935512
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	10 PM2_5	0.006635485
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	15 HC	0.019492873
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	15 CO	0.198385128
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	15 NOx	2.475383883
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	15 SOx	0.015099838
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	15 PM	0.00511432
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	15 TOG	0.028102875
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	15 ROG	0.024685774
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	15 CO2	1582.714674
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	15 CH4	0.00114659
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	15 PM10	0.005083634
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	15 PM2_5	0.004863718
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	20 HC	0.011530152
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	20 CO	0.138565295
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	20 NOx	1.908357762
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	20 SOx	0.013368733
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	20 PM	0.00413104
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	20 TOG	0.01662302
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	20 ROG	0.014601785
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	20 CO2	1401.266074
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	20 CH4	0.000678215
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	20 PM10	0.004106254
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	20 PM2_5	0.003928619
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	25 HC	0.008500448
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	25 CO	0.107153859
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	25 NOx	1.456810242
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	25 SOx	0.0119756
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	25 PM	0.003437582
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	25 TOG	0.012255095
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	25 ROG	0.010764967
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	25 CO2	1255.242452
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	25 CH4	0.000500005
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	25 PM10	0.003416956
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	25 PM2_5	0.00326914
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	30 HC	0.006791812
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	30 CO	0.086403047
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	30 NOx	1.11354058
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	30 SOx	0.01117134
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	30 PM	0.003350476
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	30 TOG	0.009791755
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	30 ROG	0.00860115
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	30 CO2	1170.942585
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	30 CH4	0.000399501
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	30 PM10	0.003330373
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	30 PM2_5	0.003186303
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	35 HC	0.005554733
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	35 CO	0.068848538
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	35 NOx	0.843994968
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	35 SOx	0.010572925
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	35 PM	0.003822973
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	35 TOG	0.008008259
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	35 ROG	0.007034514
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	35 CO2	1108.218723
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	35 CH4	0.000326735
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	35 PM10	0.003800035
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	35 PM2_5	0.003635647
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	40 HC	0.004773836
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	40 CO	0.054435433
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	40 NOx	0.647975034
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	40 SOx	0.01017872
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	40 PM	0.004854816
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	40 TOG	0.00688244

2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	40 ROG	0.006045586
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	40 CO2	1066.899466
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	40 CH4	0.000280802
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	40 PM10	0.004825688
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	40 PM2_5	0.00461693
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	45 HC	0.004437272
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	45 CO	0.04312415
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	45 NOx	0.525364435
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	45 SOx	0.009989028
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	45 PM	0.006446112
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	45 TOG	0.006397214
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	45 ROG	0.005619361
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	45 CO2	1047.016592
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	45 CH4	0.000261005
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	45 PM10	0.006407436
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	45 PM2_5	0.006130253
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	50 HC	0.004535654
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	50 CO	0.034886601
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	50 NOx	0.476091958
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	50 SOx	0.010002284
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	50 PM	0.008597256
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	50 TOG	0.006539052
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	50 ROG	0.005743952
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	50 CO2	1048.406036
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	50 CH4	0.000266792
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	50 PM10	0.008545673
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	50 PM2_5	0.008175991
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	55 HC	0.005061283
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	55 CO	0.029703395
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	55 NOx	0.500113975
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	55 SOx	0.010218482
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	55 PM	0.011308905
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	55 TOG	0.007296852
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	55 ROG	0.006409609
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	55 CO2	1071.06722
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	55 CH4	0.00029771
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	55 PM10	0.011241051
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	55 PM2_5	0.010754768
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	60 HC	0.005991927
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	60 CO	0.027568667
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	60 NOx	0.596707177
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	60 SOx	0.010639589
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	60 PM	0.014538418
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	60 TOG	0.008638561
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	60 ROG	0.007588176
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	60 CO2	1115.206274
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	60 CH4	0.000352451
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	60 PM10	0.014451188
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	60 PM2_5	0.013826036
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	65 HC	0.007283657
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	65 CO	0.028383669
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	65 NOx	0.765308203
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	65 SOx	0.011264896
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	65 PM	0.018267915
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	65 TOG	0.010500848
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	65 ROG	0.009224023
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	65 CO2	1180.748811
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	65 CH4	0.000428432
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	65 PM10	0.018158308
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	65 PM2_5	0.017372787
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	70 HC	0.007287023
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	70 CO	0.028419697
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	70 NOx	0.765308203
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	70 SOx	0.011264896

2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	70 PM	0.018267915
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	70 TOG	0.010505701
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	70 ROG	0.009228286
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	70 CO2	1180.748811
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	70 CH4	0.00042863
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	70 PM10	0.018158308
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	70 PM2_5	0.017372787
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	75 HC	0.007291219
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	75 CO	0.028469053
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	75 NOx	0.765308203
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	75 SOx	0.011264896
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	75 PM	0.018267915
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	75 TOG	0.01051175
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	75 ROG	0.009233599
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	75 CO2	1180.748811
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	75 CH4	0.000428877
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	75 PM10	0.018158308
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	75 PM2_5	0.017372787
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	80 HC	0.007296244
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	80 CO	0.02853174
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	80 NOx	0.765308203
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	80 SOx	0.011264896
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	80 PM	0.018267915
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	80 TOG	0.010518995
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	80 ROG	0.009239964
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	80 CO2	1180.748811
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	80 CH4	0.000429172
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	80 PM10	0.018158308
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	80 PM2_5	0.017372787
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	85 HC	0.007302099
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	85 CO	0.028607756
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	85 NOx	0.765308203
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	85 SOx	0.011264896
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	85 PM	0.018267915
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	85 TOG	0.010527436
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	85 ROG	0.009247378
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	85 CO2	1180.748811
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	85 CH4	0.000429517
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	85 PM10	0.018158308
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	85 PM2_5	0.017372787
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	90 HC	0.007308784
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	90 CO	0.028697101
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	90 NOx	0.765308203
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	90 SOx	0.011264896
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	90 PM	0.018267915
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	90 TOG	0.010537074
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	90 ROG	0.009255844
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	90 CO2	1180.748811
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	90 CH4	0.00042991
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	90 PM10	0.018158308
2040 Annual	San Mateo (SF)	Truck2	Dsl	60	71 RUNEX	90 PM2_5	0.017372787
2040 Annual	San Mateo (SF)	Truck2	Dsl		IDLEX	HC	1.318214426
2040 Annual	San Mateo (SF)	Truck2	Dsl		IDLEX	CO	29.61316889
2040 Annual	San Mateo (SF)	Truck2	Dsl		IDLEX	NOx	23.04354356
2040 Annual	San Mateo (SF)	Truck2	Dsl		IDLEX	SOx	0.047589889
2040 Annual	San Mateo (SF)	Truck2	Dsl		IDLEX	PM	0.010828285
2040 Annual	San Mateo (SF)	Truck2	Dsl		IDLEX	TOG	1.900469738
2040 Annual	San Mateo (SF)	Truck2	Dsl		IDLEX	ROG	1.66938675
2040 Annual	San Mateo (SF)	Truck2	Dsl		IDLEX	CO2	4988.213549
2040 Annual	San Mateo (SF)	Truck2	Dsl		IDLEX	CH4	0.077538691
2040 Annual	San Mateo (SF)	Truck2	Dsl		IDLEX	PM10	0.010763315
2040 Annual	San Mateo (SF)	Truck2	Dsl		IDLEX	PM2_5	0.010297699
2040 Annual	San Mateo (SF)	Truck2	Dsl		STREX	5 NOx	0.009667913
2040 Annual	San Mateo (SF)	Truck2	Dsl		STREX	10 NOx	0.468583482

2040 Annual	San Mateo (SF)	Truck2	Dsl	STREX	20 NOx	1.453368822
2040 Annual	San Mateo (SF)	Truck2	Dsl	STREX	30 NOx	2.040879597
2040 Annual	San Mateo (SF)	Truck2	Dsl	STREX	40 NOx	2.459670804
2040 Annual	San Mateo (SF)	Truck2	Dsl	STREX	50 NOx	2.785965961
2040 Annual	San Mateo (SF)	Truck2	Dsl	STREX	60 NOx	3.053717054
2040 Annual	San Mateo (SF)	Truck2	Dsl	STREX	120 NOx	4.084283235
2040 Annual	San Mateo (SF)	Truck2	Dsl	STREX	180 NOx	4.69925555
2040 Annual	San Mateo (SF)	Truck2	Dsl	STREX	240 NOx	5.141857213
2040 Annual	San Mateo (SF)	Truck2	Dsl	STREX	300 NOx	5.488311739
2040 Annual	San Mateo (SF)	Truck2	Dsl	STREX	360 NOx	5.772571117
2040 Annual	San Mateo (SF)	Truck2	Dsl	STREX	420 NOx	6.012746367
2040 Annual	San Mateo (SF)	Truck2	Dsl	STREX	480 NOx	6.219648161
2040 Annual	San Mateo (SF)	Truck2	Dsl	STREX	540 NOx	6.400249598
2040 Annual	San Mateo (SF)	Truck2	Dsl	STREX	600 NOx	6.559311863
2040 Annual	San Mateo (SF)	Truck2	Dsl	STREX	660 NOx	6.700230917
2040 Annual	San Mateo (SF)	Truck2	Dsl	STREX	720 NOx	6.825514211
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMTW	PM	0.022634665
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMTW	PM10	0.022634665
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMTW	PM2_5	0.005658666
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	5 PM	0.100593384
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	5 PM10	0.100593384
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	5 PM2_5	0.035207684
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	10 PM	0.100593384
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	10 PM10	0.100593384
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	10 PM2_5	0.035207684
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	15 PM	0.099715705
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	15 PM10	0.099715705
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	15 PM2_5	0.034900497
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	20 PM	0.097838331
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	20 PM10	0.097838331
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	20 PM2_5	0.034243416
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	25 PM	0.0906507
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	25 PM10	0.0906507
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	25 PM2_5	0.031727745
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	30 PM	0.086887011
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	30 PM10	0.086887011
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	30 PM2_5	0.030410454
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	35 PM	0.075956405
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	35 PM10	0.075956405
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	35 PM2_5	0.026584742
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	40 PM	0.069123157
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	40 PM10	0.069123157
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	40 PM2_5	0.024193105
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	45 PM	0.06228991
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	45 PM10	0.06228991
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	45 PM2_5	0.021801468
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	50 PM	0.057369971
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	50 PM10	0.057369971
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	50 PM2_5	0.02007949
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	55 PM	0.057369971
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	55 PM10	0.057369971
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	55 PM2_5	0.02007949
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	60 PM	0.057369971
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	60 PM10	0.057369971
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	60 PM2_5	0.02007949
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	65 PM	0.057369971
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	65 PM10	0.057369971
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	65 PM2_5	0.02007949
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	70 PM	0.057369971
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	70 PM10	0.057369971
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	70 PM2_5	0.02007949
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	75 PM	0.057369971
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	75 PM10	0.057369971
2040 Annual	San Mateo (SF)	Truck2	Dsl	PMBW	75 PM2_5	0.02007949

2040 Annual	San Mateo (SF)	Truck2	Elec	60	71 RUNEX	85 CO2	0
2040 Annual	San Mateo (SF)	Truck2	Elec	60	71 RUNEX	85 CH4	0
2040 Annual	San Mateo (SF)	Truck2	Elec	60	71 RUNEX	85 PM10	0
2040 Annual	San Mateo (SF)	Truck2	Elec	60	71 RUNEX	85 PM2_5	0
2040 Annual	San Mateo (SF)	Truck2	Elec	60	71 RUNEX	90 HC	0
2040 Annual	San Mateo (SF)	Truck2	Elec	60	71 RUNEX	90 CO	0
2040 Annual	San Mateo (SF)	Truck2	Elec	60	71 RUNEX	90 NOx	0
2040 Annual	San Mateo (SF)	Truck2	Elec	60	71 RUNEX	90 SOx	0
2040 Annual	San Mateo (SF)	Truck2	Elec	60	71 RUNEX	90 PM	0
2040 Annual	San Mateo (SF)	Truck2	Elec	60	71 RUNEX	90 TOG	0
2040 Annual	San Mateo (SF)	Truck2	Elec	60	71 RUNEX	90 ROG	0
2040 Annual	San Mateo (SF)	Truck2	Elec	60	71 RUNEX	90 CO2	0
2040 Annual	San Mateo (SF)	Truck2	Elec	60	71 RUNEX	90 CH4	0
2040 Annual	San Mateo (SF)	Truck2	Elec	60	71 RUNEX	90 PM10	0
2040 Annual	San Mateo (SF)	Truck2	Elec	60	71 RUNEX	90 PM2_5	0
2040 Annual	San Mateo (SF)	Truck2	Elec		IDLEX	HC	0
2040 Annual	San Mateo (SF)	Truck2	Elec		IDLEX	CO	0
2040 Annual	San Mateo (SF)	Truck2	Elec		IDLEX	NOx	0
2040 Annual	San Mateo (SF)	Truck2	Elec		IDLEX	SOx	0
2040 Annual	San Mateo (SF)	Truck2	Elec		IDLEX	PM	0
2040 Annual	San Mateo (SF)	Truck2	Elec		IDLEX	TOG	0
2040 Annual	San Mateo (SF)	Truck2	Elec		IDLEX	ROG	0
2040 Annual	San Mateo (SF)	Truck2	Elec		IDLEX	CO2	0
2040 Annual	San Mateo (SF)	Truck2	Elec		IDLEX	CH4	0
2040 Annual	San Mateo (SF)	Truck2	Elec		IDLEX	PM10	0
2040 Annual	San Mateo (SF)	Truck2	Elec		IDLEX	PM2_5	0
2040 Annual	San Mateo (SF)	Truck2	Elec		STREX	5 NOx	0
2040 Annual	San Mateo (SF)	Truck2	Elec		STREX	10 NOx	0
2040 Annual	San Mateo (SF)	Truck2	Elec		STREX	20 NOx	0
2040 Annual	San Mateo (SF)	Truck2	Elec		STREX	30 NOx	0
2040 Annual	San Mateo (SF)	Truck2	Elec		STREX	40 NOx	0
2040 Annual	San Mateo (SF)	Truck2	Elec		STREX	50 NOx	0
2040 Annual	San Mateo (SF)	Truck2	Elec		STREX	60 NOx	0
2040 Annual	San Mateo (SF)	Truck2	Elec		STREX	120 NOx	0
2040 Annual	San Mateo (SF)	Truck2	Elec		STREX	180 NOx	0
2040 Annual	San Mateo (SF)	Truck2	Elec		STREX	240 NOx	0
2040 Annual	San Mateo (SF)	Truck2	Elec		STREX	300 NOx	0
2040 Annual	San Mateo (SF)	Truck2	Elec		STREX	360 NOx	0
2040 Annual	San Mateo (SF)	Truck2	Elec		STREX	420 NOx	0
2040 Annual	San Mateo (SF)	Truck2	Elec		STREX	480 NOx	0
2040 Annual	San Mateo (SF)	Truck2	Elec		STREX	540 NOx	0
2040 Annual	San Mateo (SF)	Truck2	Elec		STREX	600 NOx	0
2040 Annual	San Mateo (SF)	Truck2	Elec		STREX	660 NOx	0
2040 Annual	San Mateo (SF)	Truck2	Elec		STREX	720 NOx	0
2040 Annual	San Mateo (SF)	Truck2	Elec		PMTW	PM	0.016825004
2040 Annual	San Mateo (SF)	Truck2	Elec		PMTW	PM10	0.016825004
2040 Annual	San Mateo (SF)	Truck2	Elec		PMTW	PM2_5	0.004206251
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	5 PM	0.040619341
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	5 PM10	0.040619341
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	5 PM2_5	0.014216769
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	10 PM	0.040619341
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	10 PM10	0.040619341
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	10 PM2_5	0.014216769
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	15 PM	0.040442693
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	15 PM10	0.040442693
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	15 PM2_5	0.014154943
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	20 PM	0.03982225
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	20 PM10	0.03982225
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	20 PM2_5	0.013937788
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	25 PM	0.035343238
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	25 PM10	0.035343238
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	25 PM2_5	0.012370133
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	30 PM	0.033069542
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	30 PM10	0.033069542

2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	30 PM2_5	0.01157434
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	35 PM	0.030082043
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	35 PM10	0.030082043
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	35 PM2_5	0.010528715
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	40 PM	0.028707382
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	40 PM10	0.028707382
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	40 PM2_5	0.010047584
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	45 PM	0.02733272
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	45 PM10	0.02733272
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	45 PM2_5	0.009566452
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	50 PM	0.026342964
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	50 PM10	0.026342964
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	50 PM2_5	0.009220037
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	55 PM	0.026342964
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	55 PM10	0.026342964
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	55 PM2_5	0.009220037
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	60 PM	0.026342964
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	60 PM10	0.026342964
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	60 PM2_5	0.009220037
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	65 PM	0.026342964
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	65 PM10	0.026342964
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	65 PM2_5	0.009220037
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	70 PM	0.026342964
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	70 PM10	0.026342964
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	70 PM2_5	0.009220037
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	75 PM	0.026342964
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	75 PM10	0.026342964
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	75 PM2_5	0.009220037
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	80 PM	0.026342964
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	80 PM10	0.026342964
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	80 PM2_5	0.009220037
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	85 PM	0.026342964
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	85 PM10	0.026342964
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	85 PM2_5	0.009220037
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	90 PM	0.026342964
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	90 PM10	0.026342964
2040 Annual	San Mateo (SF)	Truck2	Elec		PMBW	90 PM2_5	0.009220037
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	5 HC	0.101071803
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	5 CO	0.630582982
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	5 NOx	0.153411645
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	5 SOx	0.033428995
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	5 PM	0.008664457
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	5 TOG	0.109432769
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	5 ROG	0.074995165
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	5 CO2	3348.586406
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	5 CH4	0.019236676
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	5 PM10	0.007746025
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	5 PM2_5	0.007122184
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	10 HC	0.063594135
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	10 CO	0.574274252
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	10 NOx	0.133303548
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	10 SOx	0.02713741
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	10 PM	0.005451656
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	10 TOG	0.068854835
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	10 ROG	0.047186778
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	10 CO2	2718.316599
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	10 CH4	0.012888476
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	10 PM10	0.00487378
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	10 PM2_5	0.004481261
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	15 HC	0.04221227
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	15 CO	0.524408586
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	15 NOx	0.117699836
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	15 SOx	0.02219314
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	15 PM	0.003618679

2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	15 TOG	0.045704197
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	15 ROG	0.031321457
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	15 CO2	2222.998681
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	15 CH4	0.009043928
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	15 PM10	0.003235099
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	15 PM2_5	0.002974554
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	20 HC	0.029559427
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	20 CO	0.480168917
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	20 NOx	0.10559765
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	20 SOx	0.01844794
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	20 PM	0.002534004
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	20 TOG	0.032004672
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	20 ROG	0.021933062
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	20 CO2	1847.802773
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	20 CH4	0.006646568
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	20 PM10	0.0022654
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	20 PM2_5	0.002082952
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	25 HC	0.021836744
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	25 CO	0.440847927
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	25 NOx	0.096269179
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	25 SOx	0.015768487
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	25 PM	0.001871972
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	25 TOG	0.023643146
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	25 ROG	0.01620284
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	25 CO2	1579.381985
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	25 CH4	0.005115898
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	25 PM10	0.001673543
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	25 PM2_5	0.001538761
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	30 HC	0.017018175
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	30 CO	0.405841149
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	30 NOx	0.089179326
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	30 SOx	0.013991918
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	30 PM	0.001458896
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	30 TOG	0.01842597
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	30 ROG	0.012627467
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	30 CO2	1401.423451
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	30 CH4	0.004124099
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	30 PM10	0.001304253
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	30 PM2_5	0.001199213
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	35 HC	0.013991804
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	35 CO	0.374625007
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	35 NOx	0.083944363
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	35 SOx	0.012970201
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	35 PM	0.001199458
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	35 TOG	0.015149248
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	35 ROG	0.010381903
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	35 CO2	1299.097295
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	35 CH4	0.003481938
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	35 PM10	0.001072315
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	35 PM2_5	0.000985955
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	40 HC	0.012135827
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	40 CO	0.346745031
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	40 NOx	0.080291113
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	40 SOx	0.012555322
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	40 PM	0.001040353
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	40 TOG	0.013139739
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	40 ROG	0.00900477
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	40 CO2	1257.573637
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	40 CH4	0.003078913
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	40 PM10	0.000930076
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	40 PM2_5	0.00085517
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	45 HC	0.011104512
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	45 CO	0.321807727
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	45 NOx	0.078035527

2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	45 SOx	0.012599276
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	45 PM	0.000951943
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	45 TOG	0.012023111
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	45 ROG	0.008239535
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	45 CO2	1262.0226
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	45 CH4	0.002851396
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	45 PM10	0.000851037
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	45 PM2_5	0.000782497
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	50 HC	0.010719258
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	50 CO	0.299471226
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	50 NOx	0.077066513
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	50 SOx	0.012968865
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	50 PM	0.000918917
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	50 TOG	0.011605988
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	50 ROG	0.007953678
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	50 CO2	1299.097295
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	50 CH4	0.002765682
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	50 PM10	0.000821511
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	50 PM2_5	0.000755349
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	55 HC	0.01091603
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	55 CO	0.279438375
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	55 NOx	0.077337097
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	55 SOx	0.013501296
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	55 PM	0.000935785
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	55 TOG	0.011819037
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	55 ROG	0.008099682
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	55 CO2	1352.484855
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	55 CH4	0.002809513
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	55 PM10	0.000836592
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	55 PM2_5	0.000769215
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	60 HC	0.011727325
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	60 CO	0.261450638
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	60 NOx	0.078860408
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	60 SOx	0.014048579
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	60 PM	0.001005334
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	60 TOG	0.012697445
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	60 ROG	0.008701662
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	60 CO2	1407.355403
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	60 CH4	0.002989121
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	60 PM10	0.000898768
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	60 PM2_5	0.000826384
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	65 HC	0.013291332
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	65 CO	0.245282406
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	65 NOx	0.081710655
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	65 SOx	0.014477527
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	65 PM	0.00113941
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	65 TOG	0.014390831
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	65 ROG	0.009862153
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	65 CO2	1450.362048
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	65 CH4	0.003330738
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	65 PM10	0.001018632
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	65 PM2_5	0.000936595
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	70 HC	0.014436648
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	70 CO	0.2378178
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	70 NOx	0.083674671
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	70 SOx	0.014610631
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	70 PM	0.001237593
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	70 TOG	0.015630892
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	70 ROG	0.010711977
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	70 CO2	1463.708938
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	70 CH4	0.003577425
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	70 PM10	0.001106408
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	70 PM2_5	0.001017301
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	75 HC	0.014436648

2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	75 CO	0.2378178
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	75 NOx	0.083674671
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	75 SOx	0.014610631
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	75 PM	0.001237593
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	75 TOG	0.015630892
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	75 ROG	0.010711977
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	75 CO2	1463.708938
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	75 CH4	0.003577425
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	75 PM10	0.001106408
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	75 PM2_5	0.001017301
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	80 HC	0.014436648
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	80 CO	0.2378178
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	80 NOx	0.083674671
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	80 SOx	0.014610631
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	80 PM	0.001237593
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	80 TOG	0.015630892
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	80 ROG	0.010711977
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	80 CO2	1463.708938
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	80 CH4	0.003577425
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	80 PM10	0.001106408
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	80 PM2_5	0.001017301
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	85 HC	0.014436648
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	85 CO	0.2378178
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	85 NOx	0.083674671
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	85 SOx	0.014610631
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	85 PM	0.001237593
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	85 TOG	0.015630892
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	85 ROG	0.010711977
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	85 CO2	1463.708938
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	85 CH4	0.003577425
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	85 PM10	0.001106408
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	85 PM2_5	0.001017301
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	90 HC	0.014436648
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	90 CO	0.2378178
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	90 NOx	0.083674671
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	90 SOx	0.014610631
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	90 PM	0.001237593
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	90 TOG	0.015630892
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	90 ROG	0.010711977
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	90 CO2	1463.708938
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	90 CH4	0.003577425
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	90 PM10	0.001106408
2040 Annual	San Mateo (SF)	Truck2	Gas	60	71 RUNEX	90 PM2_5	0.001017301
2040 Annual	San Mateo (SF)	Truck2	Gas		IDLEX	HC	37.09482673
2040 Annual	San Mateo (SF)	Truck2	Gas		IDLEX	CO	409.4567745
2040 Annual	San Mateo (SF)	Truck2	Gas		IDLEX	NOx	1.580787426
2040 Annual	San Mateo (SF)	Truck2	Gas		IDLEX	SOx	0.123859092
2040 Annual	San Mateo (SF)	Truck2	Gas		IDLEX	TOG	40.16342353
2040 Annual	San Mateo (SF)	Truck2	Gas		IDLEX	ROG	27.52432027
2040 Annual	San Mateo (SF)	Truck2	Gas		IDLEX	CO2	11650.9423
2040 Annual	San Mateo (SF)	Truck2	Gas		IDLEX	CH4	3.408829255
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	5 HC	0.055736027
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	5 CO	0.884376345
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	5 NOx	0.178160043
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	5 SOx	6.97E-05
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	5 PM	0.000155316
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	5 TOG	0.058172838
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	5 ROG	0.053131987
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	5 CO2	5.439754435
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	5 CH4	0.012334989
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	5 PM10	0.000138853
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	5 PM2_5	0.00012767
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	10 HC	0.108642385
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	10 CO	1.732819136

2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	10 NOx	0.268440801
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	10 SOx	0.000138443
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	10 PM	0.000304322
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	10 TOG	0.113392293
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	10 ROG	0.10356651
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	10 CO2	10.84940679
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	10 CH4	0.02196325
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	10 PM10	0.000272064
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	10 PM2_5	0.000250153
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	20 HC	0.205966095
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	20 CO	3.321904054
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	20 NOx	0.426986505
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	20 SOx	0.000273111
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	20 PM	0.000583401
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	20 TOG	0.214971052
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	20 ROG	0.196343165
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	20 CO2	21.57840527
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	20 CH4	0.038178938
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	20 PM10	0.000521561
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	20 PM2_5	0.000479556
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	30 HC	0.291971131
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	30 CO	4.767254753
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	30 NOx	0.556177788
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	30 SOx	0.000404003
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	30 PM	0.000837237
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	30 TOG	0.304736277
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	30 ROG	0.278329965
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	30 CO2	32.18699544
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	30 CH4	0.051620075
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	30 PM10	0.00074849
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	30 PM2_5	0.000688209
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	40 HC	0.366657492
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	40 CO	6.068871233
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	40 NOx	0.656014652
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	40 SOx	0.000531122
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	40 PM	0.00106583
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	40 TOG	0.382687969
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	40 ROG	0.349526909
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	40 CO2	42.67517729
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	40 CH4	0.062852947
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	40 PM10	0.000952852
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	40 PM2_5	0.000876113
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	50 HC	0.430025178
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	50 CO	7.226753495
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	50 NOx	0.726497097
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	50 SOx	0.000654465
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	50 PM	0.001269181
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	50 TOG	0.448826127
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	50 ROG	0.409933997
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	50 CO2	53.04295083
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	50 CH4	0.072139134
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	50 PM10	0.001134648
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	50 PM2_5	0.001043266
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	60 HC	0.48207419
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	60 CO	8.240901538
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	60 NOx	0.767625122
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	60 SOx	0.000774033
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	60 PM	0.001447288
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	60 TOG	0.503150752
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	60 ROG	0.45955123
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	60 CO2	63.29031606
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	60 CH4	0.079627385
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	60 PM10	0.001293875
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	60 PM2_5	0.001189671

2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	120 HC	0.753534009
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	120 CO	18.28010816
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	120 NOx	0.761496635
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	120 SOx	0.001267307
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	120 PM	0.001984224
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	120 TOG	0.786478951
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	120 ROG	0.718328191
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	120 CO2	107.6459571
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	120 CH4	0.117151141
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	120 PM10	0.001773897
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	120 PM2_5	0.001631032
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	180 HC	0.799549166
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	180 CO	18.81448538
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	180 NOx	0.758699534
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	180 SOx	0.001468407
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	180 PM	0.002042229
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	180 TOG	0.834505917
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	180 ROG	0.762193476
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	180 CO2	127.1756048
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	180 CH4	0.123309967
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	180 PM10	0.001825752
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	180 PM2_5	0.001678712
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	240 HC	0.844104279
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	240 CO	19.36647648
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	240 NOx	0.754424952
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	240 SOx	0.001658139
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	240 PM	0.002102145
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	240 TOG	0.881009006
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	240 ROG	0.804666933
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	240 CO2	145.5525687
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	240 CH4	0.129227697
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	240 PM10	0.001879317
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	240 PM2_5	0.001727963
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	300 HC	0.88719935
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	300 CO	19.93608146
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	300 NOx	0.74867289
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	300 SOx	0.001836503
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	300 PM	0.002163973
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	300 TOG	0.925988219
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	300 ROG	0.845748562
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	300 CO2	162.776849
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	300 CH4	0.134911308
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	300 PM10	0.001934592
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	300 PM2_5	0.001778786
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	360 HC	0.928834379
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	360 CO	20.52330032
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	360 NOx	0.741443347
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	360 SOx	0.002003498
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	360 PM	0.002227713
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	360 TOG	0.969443554
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	360 ROG	0.885438362
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	360 CO2	178.8484456
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	360 CH4	0.140366886
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	360 PM10	0.001991575
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	360 PM2_5	0.00183118
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	420 HC	0.969009364
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	420 CO	21.12813307
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	420 NOx	0.732736322
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	420 SOx	0.002159125
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	420 PM	0.002293365
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	420 TOG	1.011375014
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	420 ROG	0.923736334
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	420 CO2	193.7673586
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	420 CH4	0.145599778

2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	420 PM10	0.002050268
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	420 PM2_5	0.001885146
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	480 HC	1.007724307
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	480 CO	21.75057969
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	480 NOx	0.722551817
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	480 SOx	0.002303383
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	480 PM	0.002360929
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	480 TOG	1.051782596
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	480 ROG	0.960642479
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	480 CO2	207.5335878
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	480 CH4	0.150614716
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	480 PM10	0.00211067
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	480 PM2_5	0.001940683
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	540 HC	1.044979207
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	540 CO	22.3906402
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	540 NOx	0.710889831
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	540 SOx	0.002436273
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	540 PM	0.002430404
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	540 TOG	1.090666302
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	540 ROG	0.996156795
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	540 CO2	220.1471333
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	540 CH4	0.155415906
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	540 PM10	0.002172782
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	540 PM2_5	0.001997792
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	600 HC	1.080774064
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	600 CO	23.0483146
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	600 NOx	0.697750364
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	600 SOx	0.002557794
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	600 PM	0.002501792
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	600 TOG	1.128026131
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	600 ROG	1.030279282
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	600 CO2	231.6079952
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	600 CH4	0.160007107
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	600 PM10	0.002236602
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	600 PM2_5	0.002056473
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	660 HC	1.115108879
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	660 CO	23.72360287
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	660 NOx	0.683133416
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	660 SOx	0.002667947
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	660 PM	0.002575092
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	660 TOG	1.163862083
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	660 ROG	1.063009942
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	660 CO2	241.9161734
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	660 CH4	0.164391692
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	660 PM10	0.002302132
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	660 PM2_5	0.002116725
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	720 HC	1.150219608
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	720 CO	24.43928636
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	720 NOx	0.675018691
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	720 SOx	0.00277191
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	720 PM	0.002652776
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	720 TOG	1.200507874
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	720 ROG	1.096480265
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	720 CO2	251.5634139
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	720 CH4	0.168856471
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	720 PM10	0.002371582
2040 Annual	San Mateo (SF)	Truck2	Gas	60	STREX	720 PM2_5	0.002180582
2040 Annual	San Mateo (SF)	Truck2	Gas		HOTSOAK	HC	0.011564297
2040 Annual	San Mateo (SF)	Truck2	Gas		HOTSOAK	TOG	0.012363728
2040 Annual	San Mateo (SF)	Truck2	Gas		HOTSOAK	ROG	0.012363728
2040 Annual	San Mateo (SF)	Truck2	Gas		RUNLOSS	HC	1.259292145
2040 Annual	San Mateo (SF)	Truck2	Gas		RUNLOSS	TOG	1.346346086
2040 Annual	San Mateo (SF)	Truck2	Gas		RUNLOSS	ROG	1.346346086
2040 Annual	San Mateo (SF)	Truck2	Gas		DIURN	HC	0.067297018

2040 Annual	San Mateo (SF)	Truck2	Gas		DIURN	TOG	0.073095586
2040 Annual	San Mateo (SF)	Truck2	Gas		DIURN	ROG	0.073095586
2040 Annual	San Mateo (SF)	Truck2	Gas		PMTW	PM	0.012032985
2040 Annual	San Mateo (SF)	Truck2	Gas		PMTW	PM10	0.012032985
2040 Annual	San Mateo (SF)	Truck2	Gas		PMTW	PM2_5	0.003008246
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	5 PM	0.061847817
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	5 PM10	0.061847817
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	5 PM2_5	0.021646736
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	10 PM	0.061847817
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	10 PM10	0.061847817
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	10 PM2_5	0.021646736
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	15 PM	0.061839776
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	15 PM10	0.061839776
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	15 PM2_5	0.021643922
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	20 PM	0.060964699
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	20 PM10	0.060964699
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	20 PM2_5	0.021337645
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	25 PM	0.050175388
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	25 PM10	0.050175388
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	25 PM2_5	0.017561386
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	30 PM	0.044779176
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	30 PM10	0.044779176
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	30 PM2_5	0.015672712
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	35 PM	0.041890898
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	35 PM10	0.041890898
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	35 PM2_5	0.014661814
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	40 PM	0.041828268
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	40 PM10	0.041828268
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	40 PM2_5	0.014639894
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	45 PM	0.041765638
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	45 PM10	0.041765638
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	45 PM2_5	0.014617973
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	50 PM	0.041720545
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	50 PM10	0.041720545
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	50 PM2_5	0.014602191
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	55 PM	0.041720545
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	55 PM10	0.041720545
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	55 PM2_5	0.014602191
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	60 PM	0.041720545
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	60 PM10	0.041720545
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	60 PM2_5	0.014602191
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	65 PM	0.041720545
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	65 PM10	0.041720545
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	65 PM2_5	0.014602191
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	70 PM	0.041720545
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	70 PM10	0.041720545
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	70 PM2_5	0.014602191
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	75 PM	0.041720545
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	75 PM10	0.041720545
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	75 PM2_5	0.014602191
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	80 PM	0.041720545
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	80 PM10	0.041720545
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	80 PM2_5	0.014602191
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	85 PM	0.041720545
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	85 PM10	0.041720545
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	85 PM2_5	0.014602191
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	90 PM	0.041720545
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	90 PM10	0.041720545
2040 Annual	San Mateo (SF)	Truck2	Gas		PMBW	90 PM2_5	0.014602191
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	5 HC	5.151040399
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	5 CO	43.43026791
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	5 NOx	1.325058957
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	5 PM	0.005894263
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	5 TOG	5.160401456

2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	5 ROG	0.101252125
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	5 CO2	3649.058171
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	5 CH4	5.02346838
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	5 PM10	0.005269471
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	5 PM2_5	0.004845084
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	10 HC	3.461267744
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	10 CO	30.11465979
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	10 NOx	0.926800824
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	10 PM	0.005321183
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	10 TOG	3.469152915
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	10 ROG	0.070412051
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	10 CO2	2797.0035
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	10 CH4	3.374438698
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	10 PM10	0.004757138
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	10 PM2_5	0.004374013
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	15 HC	2.084737224
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	15 CO	19.17045992
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	15 NOx	0.588472515
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	15 PM	0.004288791
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	15 TOG	2.088083976
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	15 ROG	0.0403209
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	15 CO2	2003.45072
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	15 CH4	2.033412587
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	15 PM10	0.003834179
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	15 PM2_5	0.003525386
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	20 HC	1.485082345
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	20 CO	14.12650547
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	20 NOx	0.437355751
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	20 PM	0.003408086
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	20 TOG	1.485562766
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	20 ROG	0.025888085
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	20 CO2	1609.214282
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	20 CH4	1.449841274
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	20 PM10	0.003046829
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	20 PM2_5	0.002801447
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	25 HC	1.164319893
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	25 CO	11.06544539
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	25 NOx	0.358453214
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	25 PM	0.002691832
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	25 TOG	1.16453422
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	25 ROG	0.020054792
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	25 CO2	1367.232801
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	25 CH4	1.136803132
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	25 PM10	0.002406498
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	25 PM2_5	0.002212686
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	30 HC	0.960593272
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	30 CO	8.938945324
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	30 NOx	0.30814212
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	30 PM	0.002110631
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	30 TOG	0.960772411
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	30 ROG	0.016549154
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	30 CO2	1200.966329
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	30 CH4	0.937889646
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	30 PM10	0.001886904
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	30 PM2_5	0.001734938
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	35 HC	0.818412141
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	35 CO	7.349467687
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	35 NOx	0.272586396
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	35 PM	0.001656834
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	35 TOG	0.818523873
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	35 ROG	0.014038755
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	35 CO2	1078.316534
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	35 CH4	0.799097332
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	35 PM10	0.001481209

2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	35 PM2_5	0.001361917
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	40 HC	0.713630806
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	40 CO	6.113589713
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	40 NOx	0.246234449
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	40 PM	0.001330441
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	40 TOG	0.713691205
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	40 ROG	0.012186231
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	40 CO2	983.4364164
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	40 CH4	0.696814559
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	40 PM10	0.001189415
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	40 PM2_5	0.001093623
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	45 HC	0.63344702
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	45 CO	5.135069482
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	45 NOx	0.226134492
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	45 PM	0.001131453
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	45 TOG	0.633497763
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	45 ROG	0.010812709
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	45 CO2	907.4645105
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	45 CH4	0.618522242
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	45 PM10	0.001011519
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	45 PM2_5	0.000930055
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	50 HC	0.570434403
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	50 CO	4.358611326
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	50 NOx	0.210569828
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	50 PM	0.001059869
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	50 TOG	0.57053202
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	50 ROG	0.009814427
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	50 CO2	845.0242576
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	50 CH4	0.556958261
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	50 PM10	0.000947523
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	50 PM2_5	0.000871213
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	55 HC	0.519985607
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	55 CO	3.750211857
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	55 NOx	0.198472807
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	55 PM	0.00111569
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	55 TOG	0.520195843
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	55 ROG	0.009127013
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	55 CO2	792.6477539
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	55 CH4	0.507617175
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	55 PM10	0.000997427
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	55 PM2_5	0.000917097
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	60 HC	0.520389024
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	60 CO	3.75024899
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	60 NOx	0.198806027
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	60 PM	0.00112927
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	60 TOG	0.520638392
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	60 ROG	0.009192124
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	60 CO2	792.6429571
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	60 CH4	0.507983966
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	60 PM10	0.001009567
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	60 PM2_5	0.00092826
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	65 HC	0.520389024
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	65 CO	3.75024899
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	65 NOx	0.198806027
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	65 PM	0.00112927
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	65 TOG	0.520638392
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	65 ROG	0.009192124
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	65 CO2	792.6429571
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	65 CH4	0.507983966
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	65 PM10	0.001009567
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	65 PM2_5	0.00092826
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	70 HC	0.520389024
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	70 CO	3.75024899
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	70 NOx	0.198806027

2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	70 PM	0.00112927
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	70 TOG	0.520638392
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	70 ROG	0.009192124
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	70 CO2	792.6429571
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	70 CH4	0.507983966
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	70 PM10	0.001009567
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	70 PM2_5	0.00092826
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	75 HC	0.520389024
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	75 CO	3.75024899
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	75 NOx	0.198806027
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	75 PM	0.00112927
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	75 TOG	0.520638392
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	75 ROG	0.009192124
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	75 CO2	792.6429571
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	75 CH4	0.507983966
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	75 PM10	0.001009567
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	75 PM2_5	0.00092826
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	80 HC	0.520389024
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	80 CO	3.75024899
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	80 NOx	0.198806027
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	80 PM	0.00112927
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	80 TOG	0.520638392
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	80 ROG	0.009192124
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	80 CO2	792.6429571
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	80 CH4	0.507983966
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	80 PM10	0.001009567
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	80 PM2_5	0.00092826
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	85 HC	0.520389024
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	85 CO	3.75024899
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	85 NOx	0.198806027
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	85 PM	0.00112927
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	85 TOG	0.520638392
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	85 ROG	0.009192124
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	85 CO2	792.6429571
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	85 CH4	0.507983966
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	85 PM10	0.001009567
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	85 PM2_5	0.00092826
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	90 HC	0.520389024
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	90 CO	3.75024899
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	90 NOx	0.198806027
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	90 PM	0.00112927
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	90 TOG	0.520638392
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	90 ROG	0.009192124
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	90 CO2	792.6429571
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	90 CH4	0.507983966
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	90 PM10	0.001009567
2040 Annual	San Mateo (SF)	Truck2	NG	60	71 RUNEX	90 PM2_5	0.00092826
2040 Annual	San Mateo (SF)	Truck2	NG		IDLEX	HC	22.41553228
2040 Annual	San Mateo (SF)	Truck2	NG		IDLEX	CO	88.12639625
2040 Annual	San Mateo (SF)	Truck2	NG		IDLEX	NOx	8.895400574
2040 Annual	San Mateo (SF)	Truck2	NG		IDLEX	PM	0.035506173
2040 Annual	San Mateo (SF)	Truck2	NG		IDLEX	TOG	22.37782195
2040 Annual	San Mateo (SF)	Truck2	NG		IDLEX	ROG	0.323793814
2040 Annual	San Mateo (SF)	Truck2	NG		IDLEX	CO2	10821.89914
2040 Annual	San Mateo (SF)	Truck2	NG		IDLEX	CH4	21.91479936
2040 Annual	San Mateo (SF)	Truck2	NG		IDLEX	PM10	0.031742518
2040 Annual	San Mateo (SF)	Truck2	NG		IDLEX	PM2_5	0.029186074
2040 Annual	San Mateo (SF)	Truck2	NG		PMTW	PM	0.030722585
2040 Annual	San Mateo (SF)	Truck2	NG		PMTW	PM10	0.030722585
2040 Annual	San Mateo (SF)	Truck2	NG		PMTW	PM2_5	0.007680646
2040 Annual	San Mateo (SF)	Truck2	NG		PMBW	5 PM	0.164743605
2040 Annual	San Mateo (SF)	Truck2	NG		PMBW	5 PM10	0.164743605
2040 Annual	San Mateo (SF)	Truck2	NG		PMBW	5 PM2_5	0.057660262
2040 Annual	San Mateo (SF)	Truck2	NG		PMBW	10 PM	0.164743605

2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	10 PM10	0.164743605
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	10 PM2_5	0.057660262
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	15 PM	0.164341541
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	15 PM10	0.164341541
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	15 PM2_5	0.057519539
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	20 PM	0.163502695
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	20 PM10	0.163502695
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	20 PM2_5	0.057225943
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	25 PM	0.160474759
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	25 PM10	0.160474759
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	25 PM2_5	0.056166166
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	30 PM	0.158882973
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	30 PM10	0.158882973
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	30 PM2_5	0.055609041
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	35 PM	0.153944206
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	35 PM10	0.153944206
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	35 PM2_5	0.053880472
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	40 PM	0.15081369
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	40 PM10	0.15081369
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	40 PM2_5	0.052784791
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	45 PM	0.147683174
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	45 PM10	0.147683174
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	45 PM2_5	0.051689111
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	50 PM	0.145429203
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	50 PM10	0.145429203
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	50 PM2_5	0.050900221
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	55 PM	0.145429203
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	55 PM10	0.145429203
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	55 PM2_5	0.050900221
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	60 PM	0.145429203
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	60 PM10	0.145429203
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	60 PM2_5	0.050900221
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	65 PM	0.145429203
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	65 PM10	0.145429203
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	65 PM2_5	0.050900221
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	70 PM	0.145429203
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	70 PM10	0.145429203
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	70 PM2_5	0.050900221
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	75 PM	0.145429203
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	75 PM10	0.145429203
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	75 PM2_5	0.050900221
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	80 PM	0.145429203
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	80 PM10	0.145429203
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	80 PM2_5	0.050900221
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	85 PM	0.145429203
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	85 PM10	0.145429203
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	85 PM2_5	0.050900221
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	90 PM	0.145429203
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	90 PM10	0.145429203
2040 Annual	San Mateo (SF)	Truck2	NG	PMBW	90 PM2_5	0.050900221

Attachment 4: Project Operation Health Risk Calculations

File Name: San Mateo (SF) - 2040 - Annual.EF
 EMFAC2021/CT-EMFAC2017
 Run Date: 1/31/2023
 Area: San Mateo (SF)
 Analysis Year: 2040
 Season: Annual

Vehicle Category	VMT Fraction Across Category	Diesel VMT Fraction Within Category	Gasoline VMT Fraction Within Category
Truck 1	0.033	0.543	0.457
Truck 2	0.013	0.875	0.106
Non-Truck	0.954	0.018	0.933

Road Type: Freeway Major/Collector Local Urban
 Silt Loading Factor: CAR 0.015 g/m² 0.032 g/m² 0.32 g/m²
 Precipitation Corrector: CAR P = 64 day 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	60 mph	65 mph	70 mph	75 mph
PM2.5	0.0042496	0.002877	0.002042	0.001524	0.001188	0.00097	0.00083	0.000748	0.000711	0.000715	0.000756	0.000835	0.000956	0.009038	0.009038
PM10															
NOx															
CO															
HC															
TOG	0.0751243	0.048307	0.032315	0.022893	0.017249	0.01367	0.011338	0.009833	0.008921	0.008479	0.008466	0.008904	0.009884	0.090778	0.090804
ROG	0.056693	0.036574	0.024491	0.01738	0.013135	0.010436	0.008669	0.00752	0.006814	0.006463	0.006433	0.006743	0.007459	0.069627	0.069649
1,3-Butadiene															
Acetaldehyde															
Acrolein															
Benzene															
Diesel PM	0.000505	0.000473	0.000413	0.000358	0.000317	0.000293	0.000281	0.000281	0.000292	0.000315	0.000349	0.0004	0.000461	0.000465	0.000465
Ethylbenzene															
Formaldehyde															
Naphthalene															
POM															
DEOG	0.018682	0.126332	0.068659	0.034862	0.025483	0.020656	0.016979	0.014337	0.012648	0.011849	0.01189	0.01225	0.012352	0.012372	0.012396
CO2															
N2O															
CH4															
BC															

Fleet Average Fuel Consumption (gallons/veh-mile)

Fuel Type	<= 5 mph	10 mph	15 mph	20 mph	25 mph	30 mph	35 mph	40 mph	45 mph	50 mph	55 mph	60 mph	65 mph	70 mph	75 mph
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Gasoline	0.057231	0.046444	0.038026	0.031617	0.027013	0.023983	0.022226	0.021501	0.021566	0.022186	0.023095	0.024012	0.024701	0.024701	0.024701
Diesel	0.005491	0.004607	0.003467	0.002954	0.002584	0.002294	0.00213	0.001998	0.001915	0.00193	0.001995	0.002082	0.002223	0.002223	0.002223

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Fleet Average Running Loss Emission Factors (grams/veh-hour)

Pollutant Name	Emission Factor
HC	0.7632087
TOG	0.8159688
ROG	0.8159688
1,3-Butadiene	0
Benzene	0.007018
Ethylbenzene	0.01151
Naphthalene	0.000983
CH4	0.117457
HFC	0.001471

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Fleet Average Tire Wear Factors (grams/veh-mile)

Pollutant Name	Emission Factor
PM2.5	0.0019744
PM10	0.0078976

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Fleet Average Brake Wear 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	60 mph	65 mph	70 mph	75 mph
PM2.5	0.0039807	0.004541	0.005097	0.005645	0.005869	0.005861	0.005827	0.005329	0.004338	0.003356	0.002724	0.002419	0.002114	0.002114	0.002114
PM10	0.0113735	0.012973	0.014564	0.016129	0.016767	0.016747	0.016649	0.015227	0.012395	0.009588	0.007784	0.006912	0.00604	0.00604	0.00604

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Fleet Average Road Dust Factors (grams/veh-mile)

Road Type:	Freeway	Emission Factor	Major/Collector	Emission Factor	Local Urban
Pollutant Name					
PM2.5	0.007748		0.01544		0.125499
PM10	0.051654		0.102932		0.836659

=====END=====

**Ravenswood SPU, E Palo Alto, CA - University Avenue Traffic - TACs & PM2.5
 AERMOD Risk Modeling Parameters and Maximum Concentrations
 Existing Receptors 1st (1.5m), 2nd (4.5m), & 3rd (7.6m) Floor Receptors Heights**

Emission Year 2040
Receptor Information Maximum Off-Site Receptor
 Number of Receptors 1
 Receptor Height 1st (1.5m), 2nd (4.5m), & 3rd (7.6m) Floors
 Receptor Distances 10 meter grid spacing

Meteorological Conditions
 BAQMD Moffett Fed Airfield Met Data 2013-2017
 Land Use Classification Urban
 Wind Speed Variable
 Wind Direction Variable

Off-Site Cancer Risk Maximum Concentrations

Meteorological Data Years	Concentration (µg/m3)			
	DPM	Exhaust TOG	Evaporative TOG	
2013-2017	0.0001	0.0040	0.0076	1st Floor
2013-2017	0.0001	0.0037	0.0069	2nd Floor
2013-2017	0.0001	0.0028	0.0053	3rd Floor

Off-Site PM2.5 Maximum Concentrations

Meteorological Data Years	PM2.5 Concentration (µg/m3)			
	Total PM2.5	Fugitive PM2.5	Vehicle PM2.5	
2013-2017	0.0057	0.0054	0.0003	1st Floor
2013-2017	0.0052	0.0050	0.0003	2nd Floor
2013-2017	0.0040	0.0038	0.0002	3rd Floor

Ravenswood SPU, E Palo Alto, CA - University Avenue Cancer Risk & PM2.5
Impacts at Existing Off-Site 1st Floor Receptors - 1.5m receptor heights
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-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 (µg/m³)
 DBR = daily breathing rate (L/kg body weight-day)
 A = Inhalation absorption factor
 EF = Exposure frequency (days/year)
 10⁻⁶ = Conversion factor

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

Values

Age -->	Infant/Child			Adult
	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
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

Exposure Year	Maximum - Exposure Information				Concentration (ug/m3)			Cancer Risk (per million)			TOTAL
	Exposure Duration (years)	Age	Year	Age Sensitivity Factor	DPM	Exhaust TOG	Evaporative TOG	DPM	Exhaust TOG	Evaporative TOG	
1	1	0 - 1	2025	10	0.0001	0.0040	0.0076	0.013	0.004	0.0004	0.02
2	1	1 - 2	2026	10	0.0001	0.0040	0.0076	0.013	0.004	0.0004	0.02
3	1	2 - 3	2027	3	0.0001	0.0040	0.0076	0.002	0.001	0.0001	0.00
4	1	3 - 4	2028	3	0.0001	0.0040	0.0076	0.002	0.001	0.0001	0.00
5	1	4 - 5	2029	3	0.0001	0.0040	0.0076	0.002	0.001	0.0001	0.00
6	1	5 - 6	2030	3	0.0001	0.0040	0.0076	0.002	0.001	0.0001	0.00
7	1	6 - 7	2031	3	0.0001	0.0040	0.0076	0.002	0.001	0.0001	0.00
8	1	7 - 8	2032	3	0.0001	0.0040	0.0076	0.002	0.001	0.0001	0.00
9	1	8 - 9	2033	3	0.0001	0.0040	0.0076	0.002	0.001	0.0001	0.00
10	1	9 - 10	2034	3	0.0001	0.0040	0.0076	0.002	0.001	0.0001	0.00
11	1	10 - 11	2035	3	0.0001	0.0040	0.0076	0.002	0.001	0.0001	0.00
12	1	11 - 12	2036	3	0.0001	0.0040	0.0076	0.002	0.001	0.0001	0.00
13	1	12 - 13	2037	3	0.0001	0.0040	0.0076	0.002	0.001	0.0001	0.00
14	1	13 - 14	2038	3	0.0001	0.0040	0.0076	0.002	0.001	0.0001	0.00
15	1	14 - 15	2039	3	0.0001	0.0040	0.0076	0.002	0.001	0.0001	0.00
16	1	15 - 16	2040	3	0.0001	0.0040	0.0076	0.002	0.001	0.0001	0.00
17	1	16-17	2041	1	0.0001	0.0040	0.0076	0.000	0.000	0.0000	0.00
18	1	17-18	2042	1	0.0001	0.0040	0.0076	0.000	0.000	0.0000	0.00
19	1	18-19	2043	1	0.0001	0.0040	0.0076	0.000	0.000	0.0000	0.00
20	1	19-20	2044	1	0.0001	0.0040	0.0076	0.000	0.000	0.0000	0.00
21	1	20-21	2045	1	0.0001	0.0040	0.0076	0.000	0.000	0.0000	0.00
22	1	21-22	2046	1	0.0001	0.0040	0.0076	0.000	0.000	0.0000	0.00
23	1	22-23	2047	1	0.0001	0.0040	0.0076	0.000	0.000	0.0000	0.00
24	1	23-24	2048	1	0.0001	0.0040	0.0076	0.000	0.000	0.0000	0.00
25	1	24-25	2049	1	0.0001	0.0040	0.0076	0.000	0.000	0.0000	0.00
26	1	25-26	2050	1	0.0001	0.0040	0.0076	0.000	0.000	0.0000	0.00
27	1	26-27	2051	1	0.0001	0.0040	0.0076	0.000	0.000	0.0000	0.00
28	1	27-28	2052	1	0.0001	0.0040	0.0076	0.000	0.000	0.0000	0.00
29	1	28-29	2053	1	0.0001	0.0040	0.0076	0.000	0.000	0.0000	0.00
30	1	29-30	2054	1	0.0001	0.0040	0.0076	0.000	0.000	0.0000	0.00
Total Increased Cancer Risk											0.08

* Third trimester of pregnancy

Maximum
 Hazard Index 0.00002
 Fugitive PM2.5 0.01
 Total PM2.5 0.01

**Ravenswood SPU, E Palo Alto, CA - University Avenue Cancer Risk & PM2.5
Impacts at Existing Off-Site 2nd Floor Receptors - 4.5m receptor heights
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-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 (µg/m³)
 DBR = daily breathing rate (L/kg body weight-day)
 A = Inhalation absorption factor
 EF = Exposure frequency (days/year)
 10⁻⁶ = Conversion factor

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

Values

Age --> Parameter	Infant/Child			Adult
	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
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

Exposure Year	Maximum - Exposure Information				Concentration (ug/m3)			Cancer Risk (per million)			TOTAL
	Exposure Duration (years)	Age	Year	Age Sensitivity Factor	DPM	Exhaust TOG	Evaporative TOG	DPM	Exhaust TOG	Evaporative TOG	
1	1	0 - 1	2025	10	0.0001	0.0037	0.0069	0.013	0.003	0.0004	0.02
2	1	1 - 2	2026	10	0.0001	0.0037	0.0069	0.013	0.003	0.0004	0.02
3	1	2 - 3	2027	3	0.0001	0.0037	0.0069	0.002	0.001	0.0001	0.00
4	1	3 - 4	2028	3	0.0001	0.0037	0.0069	0.002	0.001	0.0001	0.00
5	1	4 - 5	2029	3	0.0001	0.0037	0.0069	0.002	0.001	0.0001	0.00
6	1	5 - 6	2030	3	0.0001	0.0037	0.0069	0.002	0.001	0.0001	0.00
7	1	6 - 7	2031	3	0.0001	0.0037	0.0069	0.002	0.001	0.0001	0.00
8	1	7 - 8	2032	3	0.0001	0.0037	0.0069	0.002	0.001	0.0001	0.00
9	1	8 - 9	2033	3	0.0001	0.0037	0.0069	0.002	0.001	0.0001	0.00
10	1	9 - 10	2034	3	0.0001	0.0037	0.0069	0.002	0.001	0.0001	0.00
11	1	10 - 11	2035	3	0.0001	0.0037	0.0069	0.002	0.001	0.0001	0.00
12	1	11 - 12	2036	3	0.0001	0.0037	0.0069	0.002	0.001	0.0001	0.00
13	1	12 - 13	2037	3	0.0001	0.0037	0.0069	0.002	0.001	0.0001	0.00
14	1	13 - 14	2038	3	0.0001	0.0037	0.0069	0.002	0.001	0.0001	0.00
15	1	14 - 15	2039	3	0.0001	0.0037	0.0069	0.002	0.001	0.0001	0.00
16	1	15 - 16	2040	3	0.0001	0.0037	0.0069	0.002	0.001	0.0001	0.00
17	1	16-17	2041	1	0.0001	0.0037	0.0069	0.000	0.000	0.0000	0.00
18	1	17-18	2042	1	0.0001	0.0037	0.0069	0.000	0.000	0.0000	0.00
19	1	18-19	2043	1	0.0001	0.0037	0.0069	0.000	0.000	0.0000	0.00
20	1	19-20	2044	1	0.0001	0.0037	0.0069	0.000	0.000	0.0000	0.00
21	1	20-21	2045	1	0.0001	0.0037	0.0069	0.000	0.000	0.0000	0.00
22	1	21-22	2046	1	0.0001	0.0037	0.0069	0.000	0.000	0.0000	0.00
23	1	22-23	2047	1	0.0001	0.0037	0.0069	0.000	0.000	0.0000	0.00
24	1	23-24	2048	1	0.0001	0.0037	0.0069	0.000	0.000	0.0000	0.00
25	1	24-25	2049	1	0.0001	0.0037	0.0069	0.000	0.000	0.0000	0.00
26	1	25-26	2050	1	0.0001	0.0037	0.0069	0.000	0.000	0.0000	0.00
27	1	26-27	2051	1	0.0001	0.0037	0.0069	0.000	0.000	0.0000	0.00
28	1	27-28	2052	1	0.0001	0.0037	0.0069	0.000	0.000	0.0000	0.00
29	1	28-29	2053	1	0.0001	0.0037	0.0069	0.000	0.000	0.0000	0.00
30	1	29-30	2054	1	0.0001	0.0037	0.0069	0.000	0.000	0.0000	0.00
Total Increased Cancer Risk											0.08

* Third trimester of pregnancy

Maximum
 Hazard Index 0.00002
 Fugitive PM2.5 0.005
 Total PM2.5 0.01

**Ravenswood SPU, E Palo Alto, CA - University Avenue Cancer Risk & PM2.5
Impacts at Existing Off-Site 3rd Floor Receptors - 7.6m receptor heights
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-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 (µg/m³)
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 10⁻⁶ = Conversion factor

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

Values

Age --> Parameter	Infant/Child			Adult
	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
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

Exposure Year	Maximum - Exposure Information				Concentration (ug/m3)			Cancer Risk (per million)			TOTAL
	Exposure Duration (years)	Age	Year	Age Sensitivity Factor	DPM	Exhaust TOG	Evaporative TOG	DPM	Exhaust TOG	Evaporative TOG	
1	1	0 - 1	2025	10	0.0001	0.0028	0.0053	0.010	0.003	0.0003	0.01
2	1	1 - 2	2026	10	0.0001	0.0028	0.0053	0.010	0.003	0.0003	0.01
3	1	2 - 3	2027	3	0.0001	0.0028	0.0053	0.002	0.000	0.0000	0.00
4	1	3 - 4	2028	3	0.0001	0.0028	0.0053	0.002	0.000	0.0000	0.00
5	1	4 - 5	2029	3	0.0001	0.0028	0.0053	0.002	0.000	0.0000	0.00
6	1	5 - 6	2030	3	0.0001	0.0028	0.0053	0.002	0.000	0.0000	0.00
7	1	6 - 7	2031	3	0.0001	0.0028	0.0053	0.002	0.000	0.0000	0.00
8	1	7 - 8	2032	3	0.0001	0.0028	0.0053	0.002	0.000	0.0000	0.00
9	1	8 - 9	2033	3	0.0001	0.0028	0.0053	0.002	0.000	0.0000	0.00
10	1	9 - 10	2034	3	0.0001	0.0028	0.0053	0.002	0.000	0.0000	0.00
11	1	10 - 11	2035	3	0.0001	0.0028	0.0053	0.002	0.000	0.0000	0.00
12	1	11 - 12	2036	3	0.0001	0.0028	0.0053	0.002	0.000	0.0000	0.00
13	1	12 - 13	2037	3	0.0001	0.0028	0.0053	0.002	0.000	0.0000	0.00
14	1	13 - 14	2038	3	0.0001	0.0028	0.0053	0.002	0.000	0.0000	0.00
15	1	14 - 15	2039	3	0.0001	0.0028	0.0053	0.002	0.000	0.0000	0.00
16	1	15 - 16	2040	3	0.0001	0.0028	0.0053	0.002	0.000	0.0000	0.00
17	1	16-17	2041	1	0.0001	0.0028	0.0053	0.000	0.000	0.0000	0.00
18	1	17-18	2042	1	0.0001	0.0028	0.0053	0.000	0.000	0.0000	0.00
19	1	18-19	2043	1	0.0001	0.0028	0.0053	0.000	0.000	0.0000	0.00
20	1	19-20	2044	1	0.0001	0.0028	0.0053	0.000	0.000	0.0000	0.00
21	1	20-21	2045	1	0.0001	0.0028	0.0053	0.000	0.000	0.0000	0.00
22	1	21-22	2046	1	0.0001	0.0028	0.0053	0.000	0.000	0.0000	0.00
23	1	22-23	2047	1	0.0001	0.0028	0.0053	0.000	0.000	0.0000	0.00
24	1	23-24	2048	1	0.0001	0.0028	0.0053	0.000	0.000	0.0000	0.00
25	1	24-25	2049	1	0.0001	0.0028	0.0053	0.000	0.000	0.0000	0.00
26	1	25-26	2050	1	0.0001	0.0028	0.0053	0.000	0.000	0.0000	0.00
27	1	26-27	2051	1	0.0001	0.0028	0.0053	0.000	0.000	0.0000	0.00
28	1	27-28	2052	1	0.0001	0.0028	0.0053	0.000	0.000	0.0000	0.00
29	1	28-29	2053	1	0.0001	0.0028	0.0053	0.000	0.000	0.0000	0.00
30	1	29-30	2054	1	0.0001	0.0028	0.0053	0.000	0.000	0.0000	0.00
Total Increased Cancer Risk											0.06

* Third trimester of pregnancy

Maximum
 Hazard Index
 Fugitive PM2.5
 Total PM2.5
 0.00001 0.004 0.004

**Ravenswood SPU, E Palo Alto, CA - Bay Road Traffic - TACs & PM2.5
 AERMOD Risk Modeling Parameters and Maximum Concentrations
 Existing Receptors 1st (1.5m), 2nd (4.5m), & 3rd (7.6m) Floor Receptors Heights**

Emission Year 2040
Receptor Information Maximum Off-Site Receptor
 Number of Receptors 1
 Receptor Height 1st (1.5m), 2nd (4.5m), & 3rd (7.6m) Floors
 Receptor Distances 10 meter grid spacing

Meteorological Conditions
 BAQMD Moffett Fed Airfield Met Data 2013-2017
 Land Use Classification Urban
 Wind Speed Variable
 Wind Direction Variable

Off-Site Cancer Risk Maximum Concentrations

Meteorological Data Years	Concentration (µg/m3)			
	DPM	Exhaust TOG	Evaporative TOG	
2013-2017	0.0012	0.0984	0.1859	1st Floor
2013-2017	0.0010	0.0452	0.0854	2nd Floor
2013-2017	0.0005	0.0148	0.0280	3rd Floor

Off-Site PM2.5 Maximum Concentrations

Meteorological Data Years	PM2.5 Concentration (µg/m3)			
	Total PM2.5	Fugitive PM2.5	Vehicle PM2.5	
2013-2017	0.1397	0.1329	0.0068	1st Floor
2013-2017	0.0642	0.0611	0.0031	2nd Floor
2013-2017	0.0210	0.0200	0.0010	3rd Floor

**Ravenswood SPU, E Palo Alto, CA - Bay Road Cancer Risk & PM2.5
Impacts at Existing Off-Site 1st Floor Receptors - 1.5m receptor heights
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-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 (µg/m³)
 DBR = daily breathing rate (L/kg body weight-day)
 A = Inhalation absorption factor
 EF = Exposure frequency (days/year)
 10⁻⁶ = Conversion factor

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

Values

Age --> Parameter	Infant/Child			Adult
	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
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

Exposure Year	Maximum - Exposure Information				Concentration (ug/m3)			Cancer Risk (per million)			TOTAL
	Exposure Duration (years)	Age	Year	Age Sensitivity Factor	DPM	Exhaust TOG	Evaporative TOG	DPM	Exhaust TOG	Evaporative TOG	
0	0.25	-0.25 - 0*	2025	10	0.0012	0.0984	0.1859	0.016	0.008	0.0009	0.02
1	1	0 - 1	2025	10	0.0012	0.0984	0.1859	0.194	0.092	0.0103	0.30
2	1	1 - 2	2026	10	0.0012	0.0984	0.1859	0.194	0.092	0.0103	0.30
3	1	2 - 3	2027	3	0.0012	0.0984	0.1859	0.031	0.015	0.0016	0.05
4	1	3 - 4	2028	3	0.0012	0.0984	0.1859	0.031	0.015	0.0016	0.05
5	1	4 - 5	2029	3	0.0012	0.0984	0.1859	0.031	0.015	0.0016	0.05
6	1	5 - 6	2030	3	0.0012	0.0984	0.1859	0.031	0.015	0.0016	0.05
7	1	6 - 7	2031	3	0.0012	0.0984	0.1859	0.031	0.015	0.0016	0.05
8	1	7 - 8	2032	3	0.0012	0.0984	0.1859	0.031	0.015	0.0016	0.05
9	1	8 - 9	2033	3	0.0012	0.0984	0.1859	0.031	0.015	0.0016	0.05
10	1	9 - 10	2034	3	0.0012	0.0984	0.1859	0.031	0.015	0.0016	0.05
11	1	10 - 11	2035	3	0.0012	0.0984	0.1859	0.031	0.015	0.0016	0.05
12	1	11 - 12	2036	3	0.0012	0.0984	0.1859	0.031	0.015	0.0016	0.05
13	1	12 - 13	2037	3	0.0012	0.0984	0.1859	0.031	0.015	0.0016	0.05
14	1	13 - 14	2038	3	0.0012	0.0984	0.1859	0.031	0.015	0.0016	0.05
15	1	14 - 15	2039	3	0.0012	0.0984	0.1859	0.031	0.015	0.0016	0.05
16	1	15 - 16	2040	3	0.0012	0.0984	0.1859	0.031	0.015	0.0016	0.05
17	1	16-17	2041	1	0.0012	0.0984	0.1859	0.003	0.002	0.0002	0.01
18	1	17-18	2042	1	0.0012	0.0984	0.1859	0.003	0.002	0.0002	0.01
19	1	18-19	2043	1	0.0012	0.0984	0.1859	0.003	0.002	0.0002	0.01
20	1	19-20	2044	1	0.0012	0.0984	0.1859	0.003	0.002	0.0002	0.01
21	1	20-21	2045	1	0.0012	0.0984	0.1859	0.003	0.002	0.0002	0.01
22	1	21-22	2046	1	0.0012	0.0984	0.1859	0.003	0.002	0.0002	0.01
23	1	22-23	2047	1	0.0012	0.0984	0.1859	0.003	0.002	0.0002	0.01
24	1	23-24	2048	1	0.0012	0.0984	0.1859	0.003	0.002	0.0002	0.01
25	1	24-25	2049	1	0.0012	0.0984	0.1859	0.003	0.002	0.0002	0.01
26	1	25-26	2050	1	0.0012	0.0984	0.1859	0.003	0.002	0.0002	0.01
27	1	26-27	2051	1	0.0012	0.0984	0.1859	0.003	0.002	0.0002	0.01
28	1	27-28	2052	1	0.0012	0.0984	0.1859	0.003	0.002	0.0002	0.01
29	1	28-29	2053	1	0.0012	0.0984	0.1859	0.003	0.002	0.0002	0.01
30	1	29-30	2054	1	0.0012	0.0984	0.1859	0.003	0.002	0.0002	0.01
Total Increased Cancer Risk					0.88	0.418	0.047				1.34

* Third trimester of pregnancy

Maximum
 Hazard Index
 Fugitive PM2.5
 Total PM2.5
 0.0002 0.13 0.14

**Ravenswood SPU, E Palo Alto, CA - Bay Road Cancer Risk & PM2.5
Impacts at Existing Off-Site 2nd Floor Receptors - 4.5m receptor heights
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-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 (µg/m³)
- DBR = daily breathing rate (L/kg body weight-day)
- A = Inhalation absorption factor
- EF = Exposure frequency (days/year)
- 10⁻⁶ = Conversion factor

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

Values

Age --> Parameter	Infant/Child			Adult
	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
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

Exposure Year	Maximum - Exposure Information				Concentration (ug/m3)			Cancer Risk (per million)			TOTAL
	Exposure Duration (years)	Age	Year	Age Sensitivity Factor	DPM	Exhaust TOG	Evaporative TOG	DPM	Exhaust TOG	Evaporative TOG	
0	0.25	-0.25 - 0*	2025	10	0.0010	0.0452	0.0854	0.013	0.004	0.0004	0.02
1	1	0 - 1	2025	10	0.0010	0.0452	0.0854	0.159	0.042	0.0047	0.21
2	1	1 - 2	2026	10	0.0010	0.0452	0.0854	0.159	0.042	0.0047	0.21
3	1	2 - 3	2027	3	0.0010	0.0452	0.0854	0.025	0.007	0.0007	0.03
4	1	3 - 4	2028	3	0.0010	0.0452	0.0854	0.025	0.007	0.0007	0.03
5	1	4 - 5	2029	3	0.0010	0.0452	0.0854	0.025	0.007	0.0007	0.03
6	1	5 - 6	2030	3	0.0010	0.0452	0.0854	0.025	0.007	0.0007	0.03
7	1	6 - 7	2031	3	0.0010	0.0452	0.0854	0.025	0.007	0.0007	0.03
8	1	7 - 8	2032	3	0.0010	0.0452	0.0854	0.025	0.007	0.0007	0.03
9	1	8 - 9	2033	3	0.0010	0.0452	0.0854	0.025	0.007	0.0007	0.03
10	1	9 - 10	2034	3	0.0010	0.0452	0.0854	0.025	0.007	0.0007	0.03
11	1	10 - 11	2035	3	0.0010	0.0452	0.0854	0.025	0.007	0.0007	0.03
12	1	11 - 12	2036	3	0.0010	0.0452	0.0854	0.025	0.007	0.0007	0.03
13	1	12 - 13	2037	3	0.0010	0.0452	0.0854	0.025	0.007	0.0007	0.03
14	1	13 - 14	2038	3	0.0010	0.0452	0.0854	0.025	0.007	0.0007	0.03
15	1	14 - 15	2039	3	0.0010	0.0452	0.0854	0.025	0.007	0.0007	0.03
16	1	15 - 16	2040	3	0.0010	0.0452	0.0854	0.025	0.007	0.0007	0.03
17	1	16-17	2041	1	0.0010	0.0452	0.0854	0.003	0.001	0.0001	0.00
18	1	17-18	2042	1	0.0010	0.0452	0.0854	0.003	0.001	0.0001	0.00
19	1	18-19	2043	1	0.0010	0.0452	0.0854	0.003	0.001	0.0001	0.00
20	1	19-20	2044	1	0.0010	0.0452	0.0854	0.003	0.001	0.0001	0.00
21	1	20-21	2045	1	0.0010	0.0452	0.0854	0.003	0.001	0.0001	0.00
22	1	21-22	2046	1	0.0010	0.0452	0.0854	0.003	0.001	0.0001	0.00
23	1	22-23	2047	1	0.0010	0.0452	0.0854	0.003	0.001	0.0001	0.00
24	1	23-24	2048	1	0.0010	0.0452	0.0854	0.003	0.001	0.0001	0.00
25	1	24-25	2049	1	0.0010	0.0452	0.0854	0.003	0.001	0.0001	0.00
26	1	25-26	2050	1	0.0010	0.0452	0.0854	0.003	0.001	0.0001	0.00
27	1	26-27	2051	1	0.0010	0.0452	0.0854	0.003	0.001	0.0001	0.00
28	1	27-28	2052	1	0.0010	0.0452	0.0854	0.003	0.001	0.0001	0.00
29	1	28-29	2053	1	0.0010	0.0452	0.0854	0.003	0.001	0.0001	0.00
30	1	29-30	2054	1	0.0010	0.0452	0.0854	0.003	0.001	0.0001	0.00
Total Increased Cancer Risk								0.72	0.192	0.021	0.94

Hazard Index	Maximum	
	Fugitive PM2.5	Total PM2.5
0.0002	0.06	0.06

* Third trimester of pregnancy

**Ravenswood SPU, E Palo Alto, CA - Bay Road Cancer Risk & PM2.5
Impacts at Existing Off-Site 3rd Floor Receptors - 7.6m receptor heights
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-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 (µg/m³)
- DBR = daily breathing rate (L/kg body weight-day)
- A = Inhalation absorption factor
- EF = Exposure frequency (days/year)
- 10⁻⁶ = Conversion factor

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

Values

Age --> Parameter	Infant/Child			Adult
	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
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

Exposure Year	Maximum - Exposure Information				Concentration (ug/m3)			Cancer Risk (per million)			TOTAL
	Exposure Duration (years)	Age	Year	Age Sensitivity Factor	DPM	Exhaust TOG	Evaporative TOG	DPM	Exhaust TOG	Evaporative TOG	
0	0.25	-0.25 - 0*	2025	10	0.0005	0.0148	0.0280	0.007	0.001	0.0001	0.01
1	1	0 - 1	2025	10	0.0005	0.0148	0.0280	0.084	0.014	0.0015	0.10
2	1	1 - 2	2026	10	0.0005	0.0148	0.0280	0.084	0.014	0.0015	0.10
3	1	2 - 3	2027	3	0.0005	0.0148	0.0280	0.013	0.002	0.0002	0.02
4	1	3 - 4	2028	3	0.0005	0.0148	0.0280	0.013	0.002	0.0002	0.02
5	1	4 - 5	2029	3	0.0005	0.0148	0.0280	0.013	0.002	0.0002	0.02
6	1	5 - 6	2030	3	0.0005	0.0148	0.0280	0.013	0.002	0.0002	0.02
7	1	6 - 7	2031	3	0.0005	0.0148	0.0280	0.013	0.002	0.0002	0.02
8	1	7 - 8	2032	3	0.0005	0.0148	0.0280	0.013	0.002	0.0002	0.02
9	1	8 - 9	2033	3	0.0005	0.0148	0.0280	0.013	0.002	0.0002	0.02
10	1	9 - 10	2034	3	0.0005	0.0148	0.0280	0.013	0.002	0.0002	0.02
11	1	10 - 11	2035	3	0.0005	0.0148	0.0280	0.013	0.002	0.0002	0.02
12	1	11 - 12	2036	3	0.0005	0.0148	0.0280	0.013	0.002	0.0002	0.02
13	1	12 - 13	2037	3	0.0005	0.0148	0.0280	0.013	0.002	0.0002	0.02
14	1	13 - 14	2038	3	0.0005	0.0148	0.0280	0.013	0.002	0.0002	0.02
15	1	14 - 15	2039	3	0.0005	0.0148	0.0280	0.013	0.002	0.0002	0.02
16	1	15 - 16	2040	3	0.0005	0.0148	0.0280	0.013	0.002	0.0002	0.02
17	1	16-17	2041	1	0.0005	0.0148	0.0280	0.001	0.000	0.0000	0.00
18	1	17-18	2042	1	0.0005	0.0148	0.0280	0.001	0.000	0.0000	0.00
19	1	18-19	2043	1	0.0005	0.0148	0.0280	0.001	0.000	0.0000	0.00
20	1	19-20	2044	1	0.0005	0.0148	0.0280	0.001	0.000	0.0000	0.00
21	1	20-21	2045	1	0.0005	0.0148	0.0280	0.001	0.000	0.0000	0.00
22	1	21-22	2046	1	0.0005	0.0148	0.0280	0.001	0.000	0.0000	0.00
23	1	22-23	2047	1	0.0005	0.0148	0.0280	0.001	0.000	0.0000	0.00
24	1	23-24	2048	1	0.0005	0.0148	0.0280	0.001	0.000	0.0000	0.00
25	1	24-25	2049	1	0.0005	0.0148	0.0280	0.001	0.000	0.0000	0.00
26	1	25-26	2050	1	0.0005	0.0148	0.0280	0.001	0.000	0.0000	0.00
27	1	26-27	2051	1	0.0005	0.0148	0.0280	0.001	0.000	0.0000	0.00
28	1	27-28	2052	1	0.0005	0.0148	0.0280	0.001	0.000	0.0000	0.00
29	1	28-29	2053	1	0.0005	0.0148	0.0280	0.001	0.000	0.0000	0.00
30	1	29-30	2054	1	0.0005	0.0148	0.0280	0.001	0.000	0.0000	0.00
Total Increased Cancer Risk								0.38	0.063	0.007	0.45

	Maximum	Fugitive	Total
Hazard Index	PM2.5	PM2.5	PM2.5
	0.0001	0.02	0.02

* Third trimester of pregnancy

**Ravenswood SPU, E Palo Alto, CA - Clarke Avenue Traffic - TACs & PM2.5
 AERMOD Risk Modeling Parameters and Maximum Concentrations
 Existing Receptors 1st (1.5m), 2nd (4.5m), & 3rd (7.6m) Floor Receptors Heights**

Emission Year 2040
Receptor Information Maximum Off-Site Receptor
 Number of Receptors 1
 Receptor Height 1st (1.5m), 2nd (4.5m), & 3rd (7.6m) Floors
 Receptor Distances 10 meter grid spacing

Meteorological Conditions
 BAQMD Moffett Fed Airfield Met Data 2013-2017
 Land Use Classification Urban
 Wind Speed Variable
 Wind Direction Variable

Off-Site Cancer Risk Maximum Concentrations

Meteorological Data Years	Concentration (µg/m3)			
	DPM	Exhaust TOG	Evaporative TOG	
2013-2017	0.0000	0.0002	0.0004	1st Floor
2013-2017	0.0000	0.0002	0.0004	2nd Floor
2013-2017	0.0000	0.0002	0.0003	3rd Floor

Off-Site PM2.5 Maximum Concentrations

Meteorological Data Years	PM2.5 Concentration (µg/m3)			
	Total PM2.5	Fugitive PM2.5	Vehicle PM2.5	
2013-2017	0.0003	0.0003	0.0000	1st Floor
2013-2017	0.0003	0.0003	0.0000	2nd Floor
2013-2017	0.0002	0.0002	0.0000	3rd Floor

**Ravenswood SPU, E Palo Alto, CA - Clarke Avenue Cancer Risk & PM2.5
Impacts at Existing Off-Site 1st Floor Receptors - 1.5m receptor heights
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-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 (µg/m³)
- DBR = daily breathing rate (L/kg body weight-day)
- A = Inhalation absorption factor
- EF = Exposure frequency (days/year)
- 10⁻⁶ = Conversion factor

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

Values

Age --> Parameter	Infant/Child			Adult
	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
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

Exposure Year	Maximum - Exposure Information				Concentration (ug/m3)			Cancer Risk (per million)			TOTAL
	Exposure Duration (years)	Age	Year	Age Sensitivity Factor	DPM	Exhaust TOG	Evaporative TOG	DPM	Exhaust TOG	Evaporative TOG	
0	0.25	-0.25 - 0*	2025	10	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.0000
1	1	0 - 1	2025	10	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.0002
2	1	1 - 2	2026	10	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.0002
3	1	2 - 3	2027	3	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.0000
4	1	3 - 4	2028	3	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.0000
5	1	4 - 5	2029	3	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.0000
6	1	5 - 6	2030	3	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.0000
7	1	6 - 7	2031	3	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.0000
8	1	7 - 8	2032	3	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.0000
9	1	8 - 9	2033	3	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.0000
10	1	9 - 10	2034	3	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.0000
11	1	10 - 11	2035	3	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.0000
12	1	11 - 12	2036	3	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.0000
13	1	12 - 13	2037	3	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.0000
14	1	13 - 14	2038	3	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.0000
15	1	14 - 15	2039	3	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.0000
16	1	15 - 16	2040	3	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.0000
17	1	16-17	2041	1	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.0000
18	1	17-18	2042	1	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.0000
19	1	18-19	2043	1	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.0000
20	1	19-20	2044	1	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.0000
21	1	20-21	2045	1	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.0000
22	1	21-22	2046	1	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.0000
23	1	22-23	2047	1	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.0000
24	1	23-24	2048	1	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.0000
25	1	24-25	2049	1	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.0000
26	1	25-26	2050	1	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.0000
27	1	26-27	2051	1	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.0000
28	1	27-28	2052	1	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.0000
29	1	28-29	2053	1	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.0000
30	1	29-30	2054	1	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.0000
Total Increased Cancer Risk											0.001

* Third trimester of pregnancy

Maximum		
Hazard Index	Fugitive PM2.5	Total PM2.5
0.0000	0.0003	0.0003

**Ravenswood SPU, E Palo Alto, CA - Clarke Avenue Cancer Risk & PM2.5
Impacts at Existing Off-Site 2nd Floor Receptors - 4.5m receptor heights
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-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 (µg/m³)
 DBR = daily breathing rate (L/kg body weight-day)
 A = Inhalation absorption factor
 EF = Exposure frequency (days/year)
 10⁻⁶ = Conversion factor

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

Values

Age --> Parameter	Infant/Child			Adult
	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
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

Exposure Year	Maximum - Exposure Information				Concentration (ug/m3)			Cancer Risk (per million)			TOTAL
	Exposure Duration (years)	Age	Year	Age Sensitivity Factor	DPM	Exhaust TOG	Evaporative TOG	DPM	Exhaust TOG	Evaporative TOG	
0	0.25	-0.25 - 0*	2025	10	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.00
1	1	0 - 1	2025	10	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.00
2	1	1 - 2	2026	10	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.00
3	1	2 - 3	2027	3	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.00
4	1	3 - 4	2028	3	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.00
5	1	4 - 5	2029	3	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.00
6	1	5 - 6	2030	3	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.00
7	1	6 - 7	2031	3	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.00
8	1	7 - 8	2032	3	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.00
9	1	8 - 9	2033	3	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.00
10	1	9 - 10	2034	3	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.00
11	1	10 - 11	2035	3	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.00
12	1	11 - 12	2036	3	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.00
13	1	12 - 13	2037	3	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.00
14	1	13 - 14	2038	3	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.00
15	1	14 - 15	2039	3	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.00
16	1	15 - 16	2040	3	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.00
17	1	16-17	2041	1	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.00
18	1	17-18	2042	1	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.00
19	1	18-19	2043	1	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.00
20	1	19-20	2044	1	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.00
21	1	20-21	2045	1	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.00
22	1	21-22	2046	1	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.00
23	1	22-23	2047	1	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.00
24	1	23-24	2048	1	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.00
25	1	24-25	2049	1	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.00
26	1	25-26	2050	1	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.00
27	1	26-27	2051	1	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.00
28	1	27-28	2052	1	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.00
29	1	28-29	2053	1	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.00
30	1	29-30	2054	1	0.0000	0.0002	0.0004	0.000	0.000	0.0000	0.00
Total Increased Cancer Risk											0.00

* Third trimester of pregnancy

Maximum
 Hazard Index 0.0000
 Fugitive PM2.5 0.0003
 Total PM2.5 0.0003

**Ravenswood SPU, E Palo Alto, CA - Clarke Avenue Cancer Risk & PM2.5
Impacts at Existing Off-Site 3rd Floor Receptors - 7.6m receptor heights
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-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 (µg/m³)
 DBR = daily breathing rate (L/kg body weight-day)
 A = Inhalation absorption factor
 EF = Exposure frequency (days/year)
 10⁻⁶ = Conversion factor

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

Values

Age --> Parameter	Infant/Child			Adult
	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
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

Exposure Year	Maximum - Exposure Information				Concentration (ug/m3)			Cancer Risk (per million)			TOTAL
	Exposure Duration (years)	Age	Year	Age Sensitivity Factor	DPM	Exhaust TOG	Evaporative TOG	DPM	Exhaust TOG	Evaporative TOG	
0	0.25	-0.25 - 0*	2025	10	0.0000	0.0002	0.0003	0.000	0.000	0.0000	0.00
1	1	0 - 1	2025	10	0.0000	0.0002	0.0003	0.000	0.000	0.0000	0.00
2	1	1 - 2	2026	10	0.0000	0.0002	0.0003	0.000	0.000	0.0000	0.00
3	1	2 - 3	2027	3	0.0000	0.0002	0.0003	0.000	0.000	0.0000	0.00
4	1	3 - 4	2028	3	0.0000	0.0002	0.0003	0.000	0.000	0.0000	0.00
5	1	4 - 5	2029	3	0.0000	0.0002	0.0003	0.000	0.000	0.0000	0.00
6	1	5 - 6	2030	3	0.0000	0.0002	0.0003	0.000	0.000	0.0000	0.00
7	1	6 - 7	2031	3	0.0000	0.0002	0.0003	0.000	0.000	0.0000	0.00
8	1	7 - 8	2032	3	0.0000	0.0002	0.0003	0.000	0.000	0.0000	0.00
9	1	8 - 9	2033	3	0.0000	0.0002	0.0003	0.000	0.000	0.0000	0.00
10	1	9 - 10	2034	3	0.0000	0.0002	0.0003	0.000	0.000	0.0000	0.00
11	1	10 - 11	2035	3	0.0000	0.0002	0.0003	0.000	0.000	0.0000	0.00
12	1	11 - 12	2036	3	0.0000	0.0002	0.0003	0.000	0.000	0.0000	0.00
13	1	12 - 13	2037	3	0.0000	0.0002	0.0003	0.000	0.000	0.0000	0.00
14	1	13 - 14	2038	3	0.0000	0.0002	0.0003	0.000	0.000	0.0000	0.00
15	1	14 - 15	2039	3	0.0000	0.0002	0.0003	0.000	0.000	0.0000	0.00
16	1	15 - 16	2040	3	0.0000	0.0002	0.0003	0.000	0.000	0.0000	0.00
17	1	16-17	2041	1	0.0000	0.0002	0.0003	0.000	0.000	0.0000	0.00
18	1	17-18	2042	1	0.0000	0.0002	0.0003	0.000	0.000	0.0000	0.00
19	1	18-19	2043	1	0.0000	0.0002	0.0003	0.000	0.000	0.0000	0.00
20	1	19-20	2044	1	0.0000	0.0002	0.0003	0.000	0.000	0.0000	0.00
21	1	20-21	2045	1	0.0000	0.0002	0.0003	0.000	0.000	0.0000	0.00
22	1	21-22	2046	1	0.0000	0.0002	0.0003	0.000	0.000	0.0000	0.00
23	1	22-23	2047	1	0.0000	0.0002	0.0003	0.000	0.000	0.0000	0.00
24	1	23-24	2048	1	0.0000	0.0002	0.0003	0.000	0.000	0.0000	0.00
25	1	24-25	2049	1	0.0000	0.0002	0.0003	0.000	0.000	0.0000	0.00
26	1	25-26	2050	1	0.0000	0.0002	0.0003	0.000	0.000	0.0000	0.00
27	1	26-27	2051	1	0.0000	0.0002	0.0003	0.000	0.000	0.0000	0.00
28	1	27-28	2052	1	0.0000	0.0002	0.0003	0.000	0.000	0.0000	0.00
29	1	28-29	2053	1	0.0000	0.0002	0.0003	0.000	0.000	0.0000	0.00
30	1	29-30	2054	1	0.0000	0.0002	0.0003	0.000	0.000	0.0000	0.00
Total Increased Cancer Risk											0.00

* Third trimester of pregnancy

Maximum
 Hazard Index 0.0000
 Fugitive PM2.5 0.0002
 Total PM2.5 0.0002

Ravenswood Specific Plan Update, East Palo Alto, CA - Off-Site Residential
 2040 Project Increase - Bay Road
 DPM Modeling - Roadway Links, Traffic Volumes, and DPM Emissions
 Year = 2040

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	Line Area					(Sigma z) Initial Vertical Dimension
											Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height (m)	
DPM_EB_BAY	Bay Road Eastbound	EB	2	2048.0	1.27	13.3	43.7	3.4	25	3,878	27,270	293,527	6.648E-10	4.902E-10	6.8	3.16
DPM_WB_BAY	Bay Road Westbound	WB	2	2046.9	1.27	13.3	43.7	3.4	25	3,878	27,255	293,369	6.648E-10	4.902E-10	6.8	3.16
Total										7,755						

Emission Factors - DPM

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle (g/VMT)	0.00032			

Emission Factors from CT-EMFAC2017

2040 Hourly Traffic Volumes and DPM Emissions - DPM_EB_BAY

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	4.05%	157	1.76E-05	9	6.94%	269	3.02E-05	17	6.65%	258	2.89E-05
2	3.47%	135	1.51E-05	10	8.53%	331	3.71E-05	18	3.61%	140	1.57E-05
3	2.31%	90	1.01E-05	11	6.36%	247	2.77E-05	19	2.17%	84	9.44E-06
4	1.01%	39	4.39E-06	12	7.51%	291	3.27E-05	20	0.87%	34	3.79E-06
5	1.30%	50	5.66E-06	13	6.94%	269	3.02E-05	21	2.89%	112	1.26E-05
6	2.17%	84	9.44E-06	14	6.50%	252	2.83E-05	22	4.91%	190	2.14E-05
7	4.62%	179	2.01E-05	15	5.92%	230	2.58E-05	23	3.47%	135	1.51E-05
8	3.03%	117	1.32E-05	16	4.19%	162	1.82E-05	24	0.58%	22	2.52E-06
Total										3,878	

2040 Hourly Traffic Volumes Per Direction and DPM Emissions - DPM_WB_BAY

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	4.05%	157	1.76E-05	9	6.94%	269	3.02E-05	17	6.65%	258	2.89E-05
2	3.47%	135	1.51E-05	10	8.53%	331	3.71E-05	18	3.61%	140	1.57E-05
3	2.31%	90	1.00E-05	11	6.36%	247	2.77E-05	19	2.17%	84	9.44E-06
4	1.01%	39	4.39E-06	12	7.51%	291	3.27E-05	20	0.87%	34	3.78E-06
5	1.30%	50	5.65E-06	13	6.94%	269	3.02E-05	21	2.89%	112	1.26E-05
6	2.17%	84	9.44E-06	14	6.50%	252	2.83E-05	22	4.91%	190	2.14E-05
7	4.62%	179	2.01E-05	15	5.92%	230	2.57E-05	23	3.47%	135	1.51E-05
8	3.03%	117	1.32E-05	16	4.19%	162	1.82E-05	24	0.58%	22	2.52E-06
Total										3,878	

Ravenswood Specific Plan Update, East Palo Alto, CA - Off-Site Residential
 2040 Project Increase - Bay Road
 PM2.5 Modeling - Roadway Links, Traffic Volumes, and PM2.5 Emissions
 Year = 2040

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	Line Area					(Sigma z) Initial Vertical Dimension
											Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height (m)	
PM25_EB_BAY	Bay Road Eastbound	EB	2	2048.0	1.27	13.3	44	1.3	25	3,878	27,270	293,527	2.489E-09	1.835E-09	2.6	1.21
PM25_WB_BAY	Bay Road Westbound	WB	2	2046.9	1.27	13.3	44	1.3	25	3,878	27,255	293,369	2.489E-09	1.835E-09	2.6	1.21
Total										7,755						

Emission Factors - PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle (g/VMT)	0.001188			

Emission Factors from CT-EMFAC2017

2040 Hourly Traffic Volumes and PM2.5 Emissions - PM25_EB_BAY

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.12%	43	1.82E-05	9	7.13%	276	1.16E-04	17	7.44%	288	1.21E-04
2	0.41%	16	6.68E-06	10	4.38%	170	7.13E-05	18	8.24%	320	1.34E-04
3	0.37%	14	6.03E-06	11	4.64%	180	7.56E-05	19	5.73%	222	9.33E-05
4	0.17%	7	2.77E-06	12	5.89%	228	9.59E-05	20	4.30%	167	7.00E-05
5	0.46%	18	7.49E-06	13	6.17%	239	1.01E-04	21	3.25%	126	5.29E-05
6	0.85%	33	1.38E-05	14	6.04%	234	9.84E-05	22	3.31%	128	5.39E-05
7	3.73%	145	6.08E-05	15	7.05%	273	1.15E-04	23	2.48%	96	4.04E-05
8	7.76%	301	1.26E-04	16	7.19%	279	1.17E-04	24	1.87%	73	3.05E-05
Total										3,877	

2040 Hourly Traffic Volumes Per Direction and PM2.5 Emissions - PM25_WB_BAY

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.12%	43	1.82E-05	9	7.13%	276	1.16E-04	17	7.44%	288	1.21E-04
2	0.41%	16	6.67E-06	10	4.38%	170	7.13E-05	18	8.24%	320	1.34E-04
3	0.37%	14	6.02E-06	11	4.64%	180	7.55E-05	19	5.73%	222	9.33E-05
4	0.17%	7	2.77E-06	12	5.89%	228	9.59E-05	20	4.30%	167	7.00E-05
5	0.46%	18	7.49E-06	13	6.17%	239	1.00E-04	21	3.25%	126	5.29E-05
6	0.85%	33	1.38E-05	14	6.04%	234	9.83E-05	22	3.31%	128	5.39E-05
7	3.73%	145	6.07E-05	15	7.05%	273	1.15E-04	23	2.48%	96	4.04E-05
8	7.76%	301	1.26E-04	16	7.19%	279	1.17E-04	24	1.87%	73	3.04E-05
Total										3,877	

Ravenswood Specific Plan Update, East Palo Alto, CA - Off-Site Residential
 2040 Project Increase - Bay Road
 TOG Exhaust Modeling - Roadway Links, Traffic Volumes, and TOG Exhaust Emissions
 Year = 2040

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	Line Area					(Sigma z) Initial Vertical Dimension
											Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	
TEXH_EB_BAY	Bay Road Eastbound	EB	2	2048.0	1.27	13.3	44	1.3	25	3,878	27,270	293,527	3.613E-08	2.664E-08	2.6	1.21
TEXH_WB_BAY	Bay Road Westbound	WB	2	2046.9	1.27	13.3	44	1.3	25	3,878	27,255	293,369	3.613E-08	2.664E-08	2.6	1.21
Total										7,755						

Emission Factors - TOG Exhaust

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle (g/VMT)	0.01725			

Emission Factors from CT-EMFAC2017

2040 Hourly Traffic Volumes and TOG Exhaust Emissions - TEXH_EB_BAY

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.12%	43	2.65E-04	9	7.13%	276	1.69E-03	17	7.44%	288	1.76E-03
2	0.41%	16	9.69E-05	10	4.38%	170	1.04E-03	18	8.24%	320	1.95E-03
3	0.37%	14	8.75E-05	11	4.64%	180	1.10E-03	19	5.73%	222	1.35E-03
4	0.17%	7	4.02E-05	12	5.89%	228	1.39E-03	20	4.30%	167	1.02E-03
5	0.46%	18	1.09E-04	13	6.17%	239	1.46E-03	21	3.25%	126	7.68E-04
6	0.85%	33	2.01E-04	14	6.04%	234	1.43E-03	22	3.31%	128	7.83E-04
7	3.73%	145	8.82E-04	15	7.05%	273	1.67E-03	23	2.48%	96	5.86E-04
8	7.76%	301	1.83E-03	16	7.19%	279	1.70E-03	24	1.87%	73	4.42E-04
Total										3,877	

2040 Hourly Traffic Volumes Per Direction and TOG Exhaust Emissions - TEXH_WB_BAY

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.12%	43	2.65E-04	9	7.13%	276	1.68E-03	17	7.44%	288	1.76E-03
2	0.41%	16	9.69E-05	10	4.38%	170	1.04E-03	18	8.24%	320	1.95E-03
3	0.37%	14	8.74E-05	11	4.64%	180	1.10E-03	19	5.73%	222	1.35E-03
4	0.17%	7	4.02E-05	12	5.89%	228	1.39E-03	20	4.30%	167	1.02E-03
5	0.46%	18	1.09E-04	13	6.17%	239	1.46E-03	21	3.25%	126	7.68E-04
6	0.85%	33	2.01E-04	14	6.04%	234	1.43E-03	22	3.31%	128	7.82E-04
7	3.73%	145	8.81E-04	15	7.05%	273	1.67E-03	23	2.48%	96	5.86E-04
8	7.76%	301	1.83E-03	16	7.19%	279	1.70E-03	24	1.87%	73	4.42E-04
Total										3,877	

Ravenswood Specific Plan Update, East Palo Alto, CA - Off-Site Residential

2040 Project Increase - Bay Road

TOG Evaporative Emissions Modeling - Roadway Links, Traffic Volumes, and TOG Evaporative Emissions

Year = 2040

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	Line Area					
											Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	(Sigma z) Initial Vertical Dimension
TEVAP_EB_BAY	Bay Road Eastbound	EB	2	2048.0	1.27	13.3	44	1.3	25	3,878	27,270	293,527	6.836E-08	5.040E-08	2.6	1.21
TEVAP_WB_BAY	Bay Road Westbound	WB	2	2046.9	1.27	13.3	44	1.3	25	3,878	27,255	293,369	6.836E-08	5.040E-08	2.6	1.21
Total										7,755						

Emission Factors - PM2.5 - Evaporative TOG

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle per Hour (g/hour)	0.81597			
Emissions per Vehicle per Mile (g/VMT)	0.03264			

Emission Factors from CT-EMFAC2017

2040 Hourly Traffic Volumes and TOG Evaporative Emissions - TEVAP_EB_BAY

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.12%	43	5.01E-04	9	7.13%	276	3.19E-03	17	7.44%	288	3.33E-03
2	0.41%	16	1.83E-04	10	4.38%	170	1.96E-03	18	8.24%	320	3.69E-03
3	0.37%	14	1.66E-04	11	4.64%	180	2.08E-03	19	5.73%	222	2.56E-03
4	0.17%	7	7.61E-05	12	5.89%	228	2.63E-03	20	4.30%	167	1.92E-03
5	0.46%	18	2.06E-04	13	6.17%	239	2.76E-03	21	3.25%	126	1.45E-03
6	0.85%	33	3.80E-04	14	6.04%	234	2.70E-03	22	3.31%	128	1.48E-03
7	3.73%	145	1.67E-03	15	7.05%	273	3.15E-03	23	2.48%	96	1.11E-03
8	7.76%	301	3.47E-03	16	7.19%	279	3.22E-03	24	1.87%	73	8.37E-04
Total										3,877	

2040 Hourly Traffic Volumes Per Direction and TOG Evaporative Emissions - TEVAP_WB_BAY

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.12%	43	5.01E-04	9	7.13%	276	3.19E-03	17	7.44%	288	3.33E-03
2	0.41%	16	1.83E-04	10	4.38%	170	1.96E-03	18	8.24%	320	3.68E-03
3	0.37%	14	1.65E-04	11	4.64%	180	2.07E-03	19	5.73%	222	2.56E-03
4	0.17%	7	7.60E-05	12	5.89%	228	2.63E-03	20	4.30%	167	1.92E-03
5	0.46%	18	2.06E-04	13	6.17%	239	2.76E-03	21	3.25%	126	1.45E-03
6	0.85%	33	3.80E-04	14	6.04%	234	2.70E-03	22	3.31%	128	1.48E-03
7	3.73%	145	1.67E-03	15	7.05%	273	3.15E-03	23	2.48%	96	1.11E-03
8	7.76%	301	3.47E-03	16	7.19%	279	3.21E-03	24	1.87%	73	8.36E-04
Total										3,877	

Ravenswood Specific Plan Update, East Palo Alto, CA - Off-Site Residential
 2040 Project Increase - Bay Road
 Fugitive Road PM2.5 Modeling - Roadway Links, Traffic Volumes, and Fugitive Road PM2.5 Emissions
 Year = 2040

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	Line Area					(Sigma z) Initial Vertical Dimension (m)
											Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height (m)	
FUG_EB_BAY	Bay Road Eastbound	EB	2	2048.0	1.27	13.3	44	1.3	25	3,878	27,270	293,527	4.876E-08	3.595E-08	2.6	1.21
FUG_WB_BAY	Bay Road Westbound	WB	2	2046.9	1.27	13.3	44	1.3	25	3,878	27,255	293,369	4.876E-08	3.595E-08	2.6	1.21
Total										7,755						

Emission Factors - Fugitive PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Tire Wear - Emissions per Vehicle (g/VMT)	0.00197			
Brake Wear - Emissions per Vehicle (g/VMT)	0.00587			
Road Dust - Emissions per Vehicle (g/VMT)	0.01544			
Total Fugitive PM2.5 - Emissions per Vehicle (g/VMT)	0.02328			

Emission Factors from CT-EMFAC2017

2040 Hourly Traffic Volumes and Fugitive PM2.5 Emissions - FUG_EB_BAY

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.12%	43	3.57E-04	9	7.13%	276	2.28E-03	17	7.44%	288	2.37E-03
2	0.41%	16	1.31E-04	10	4.38%	170	1.40E-03	18	8.24%	320	2.63E-03
3	0.37%	14	1.18E-04	11	4.64%	180	1.48E-03	19	5.73%	222	1.83E-03
4	0.17%	7	5.43E-05	12	5.89%	228	1.88E-03	20	4.30%	167	1.37E-03
5	0.46%	18	1.47E-04	13	6.17%	239	1.97E-03	21	3.25%	126	1.04E-03
6	0.85%	33	2.71E-04	14	6.04%	234	1.93E-03	22	3.31%	128	1.06E-03
7	3.73%	145	1.19E-03	15	7.05%	273	2.25E-03	23	2.48%	96	7.91E-04
8	7.76%	301	2.48E-03	16	7.19%	279	2.29E-03	24	1.87%	73	5.97E-04
Total										3,877	

2040 Hourly Traffic Volumes Per Direction and Fugitive PM2.5 Emissions - FUG_WB_BAY

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.12%	43	3.57E-04	9	7.13%	276	2.27E-03	17	7.44%	288	2.37E-03
2	0.41%	16	1.31E-04	10	4.38%	170	1.40E-03	18	8.24%	320	2.63E-03
3	0.37%	14	1.18E-04	11	4.64%	180	1.48E-03	19	5.73%	222	1.83E-03
4	0.17%	7	5.42E-05	12	5.89%	228	1.88E-03	20	4.30%	167	1.37E-03
5	0.46%	18	1.47E-04	13	6.17%	239	1.97E-03	21	3.25%	126	1.04E-03
6	0.85%	33	2.71E-04	14	6.04%	234	1.93E-03	22	3.31%	128	1.06E-03
7	3.73%	145	1.19E-03	15	7.05%	273	2.25E-03	23	2.48%	96	7.91E-04
8	7.76%	301	2.48E-03	16	7.19%	279	2.29E-03	24	1.87%	73	5.96E-04
Total										3,877	

Ravenswood Specific Plan Update, East Palo Alto, CA - Off-Site Residential
 2040 Project Increase - Clark Avenue
 DPM Modeling - Roadway Links, Traffic Volumes, and DPM Emissions
 Year = 2040

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	Line Area					(Sigma z) Initial Vertical Dimension
											Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height (m)	
DPM_NB_CRK	Clark Avenue Northbound	NB	1	462.5	0.29	9.7	31.7	3.4	25	1,255	4,467	48,079	2.966E-10	2.187E-10	6.8	3.16
DPM_SB_CRK	Clark Avenue Southbound	SB	1	462.3	0.29	9.7	31.7	3.4	25	1,255	4,465	48,058	2.966E-10	2.187E-10	6.8	3.16
Total										2,509						

Emission Factors - DPM

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle (g/VMT)	0.00032			

Emission Factors from CT-EMFAC2017

2040 Hourly Traffic Volumes and DPM Emissions - DPM_NB_CRK

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	4.05%	51	1.29E-06	9	6.94%	87	2.21E-06	17	6.65%	83	2.11E-06
2	3.47%	44	1.10E-06	10	8.53%	107	2.71E-06	18	3.61%	45	1.15E-06
3	2.31%	29	7.34E-07	11	6.36%	80	2.02E-06	19	2.17%	27	6.90E-07
4	1.01%	13	3.21E-07	12	7.51%	94	2.39E-06	20	0.87%	11	2.77E-07
5	1.30%	16	4.13E-07	13	6.94%	87	2.21E-06	21	2.89%	36	9.19E-07
6	2.17%	27	6.90E-07	14	6.50%	82	2.07E-06	22	4.91%	62	1.56E-06
7	4.62%	58	1.47E-06	15	5.92%	74	1.88E-06	23	3.47%	44	1.10E-06
8	3.03%	38	9.63E-07	16	4.19%	53	1.33E-06	24	0.58%	7	1.84E-07
Total										1,255	

2040 Hourly Traffic Volumes Per Direction and DPM Emissions - DPM_SB_CRK

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	4.05%	51	1.29E-06	9	6.94%	87	2.21E-06	17	6.65%	83	2.11E-06
2	3.47%	44	1.10E-06	10	8.53%	107	2.71E-06	18	3.61%	45	1.15E-06
3	2.31%	29	7.34E-07	11	6.36%	80	2.02E-06	19	2.17%	27	6.90E-07
4	1.01%	13	3.21E-07	12	7.51%	94	2.39E-06	20	0.87%	11	2.76E-07
5	1.30%	16	4.13E-07	13	6.94%	87	2.21E-06	21	2.89%	36	9.18E-07
6	2.17%	27	6.90E-07	14	6.50%	82	2.07E-06	22	4.91%	62	1.56E-06
7	4.62%	58	1.47E-06	15	5.92%	74	1.88E-06	23	3.47%	44	1.10E-06
8	3.03%	38	9.63E-07	16	4.19%	53	1.33E-06	24	0.58%	7	1.84E-07
Total										1,255	

Ravenswood Specific Plan Update, East Palo Alto, CA - Off-Site Residential
 2040 Project Increase - Clark Avenue
 PM2.5 Modeling - Roadway Links, Traffic Volumes, and PM2.5 Emissions
 Year = 2040

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	Line Area					(Sigma z) Initial Vertical Dimension
											Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height (m)	
PM25_NB_CRK	Clark Avenue Northbound	NB	1	462.5	0.29	9.7	32	1.3	25	1,255	4,467	48,079	1.110E-09	8.186E-10	2.6	1.21
PM25_SB_CRK	Clark Avenue Southbound	SB	1	462.3	0.29	9.7	32	1.3	25	1,255	4,465	48,058	1.110E-09	8.186E-10	2.6	1.21
Total										2,509						

Emission Factors - PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle (g/VMT)	0.001188			

Emission Factors from CT-EMFAC2017

2040 Hourly Traffic Volumes and PM2.5 Emissions - PM25_NB_CRK

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.12%	14	1.33E-06	9	7.13%	89	8.49E-06	17	7.44%	93	8.85E-06
2	0.41%	5	4.88E-07	10	4.38%	55	5.21E-06	18	8.24%	103	9.81E-06
3	0.37%	5	4.40E-07	11	4.64%	58	5.52E-06	19	5.73%	72	6.82E-06
4	0.17%	2	2.02E-07	12	5.89%	74	7.01E-06	20	4.30%	54	5.12E-06
5	0.46%	6	5.47E-07	13	6.17%	77	7.34E-06	21	3.25%	41	3.87E-06
6	0.85%	11	1.01E-06	14	6.04%	76	7.19E-06	22	3.31%	42	3.94E-06
7	3.73%	47	4.44E-06	15	7.05%	88	8.39E-06	23	2.48%	31	2.95E-06
8	7.76%	97	9.24E-06	16	7.19%	90	8.56E-06	24	1.87%	23	2.23E-06
Total										1,254	

2040 Hourly Traffic Volumes Per Direction and PM2.5 Emissions - PM25_SB_CRK

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.12%	14	1.33E-06	9	7.13%	89	8.48E-06	17	7.44%	93	8.85E-06
2	0.41%	5	4.88E-07	10	4.38%	55	5.21E-06	18	8.24%	103	9.80E-06
3	0.37%	5	4.40E-07	11	4.64%	58	5.52E-06	19	5.73%	72	6.82E-06
4	0.17%	2	2.02E-07	12	5.89%	74	7.01E-06	20	4.30%	54	5.12E-06
5	0.46%	6	5.47E-07	13	6.17%	77	7.34E-06	21	3.25%	41	3.87E-06
6	0.85%	11	1.01E-06	14	6.04%	76	7.19E-06	22	3.31%	42	3.94E-06
7	3.73%	47	4.44E-06	15	7.05%	88	8.39E-06	23	2.48%	31	2.95E-06
8	7.76%	97	9.23E-06	16	7.19%	90	8.55E-06	24	1.87%	23	2.22E-06
Total										1,254	

Ravenswood Specific Plan Update, East Palo Alto, CA - Off-Site Residential
 2040 Project Increase - Clark Avenue
 TOG Exhaust Modeling - Roadway Links, Traffic Volumes, and TOG Exhaust Emissions
 Year = 2040

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	Line Area					(Sigma z) Initial Vertical Dimension
											Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	
TEXH_NB_CRK	Clark Avenue Northbound	NB	1	462.5	0.29	9.7	32	1.3	25	1,255	4,467	48,079	1.611E-08	1.188E-08	2.6	1.21
TEXH_SB_CRK	Clark Avenue Southbound	SB	1	462.3	0.29	9.7	32	1.3	25	1,255	4,465	48,058	1.611E-08	1.188E-08	2.6	1.21
Total										2,509						

Emission Factors - TOG Exhaust

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle (g/VMT)	0.01725			

Emission Factors from CT-EMFAC2017

2040 Hourly Traffic Volumes and TOG Exhaust Emissions - TEXH_NB_CRK

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.12%	14	1.93E-05	9	7.13%	89	1.23E-04	17	7.44%	93	1.29E-04
2	0.41%	5	7.08E-06	10	4.38%	55	7.57E-05	18	8.24%	103	1.42E-04
3	0.37%	5	6.39E-06	11	4.64%	58	8.02E-05	19	5.73%	72	9.90E-05
4	0.17%	2	2.94E-06	12	5.89%	74	1.02E-04	20	4.30%	54	7.43E-05
5	0.46%	6	7.95E-06	13	6.17%	77	1.07E-04	21	3.25%	41	5.61E-05
6	0.85%	11	1.47E-05	14	6.04%	76	1.04E-04	22	3.31%	42	5.72E-05
7	3.73%	47	6.44E-05	15	7.05%	88	1.22E-04	23	2.48%	31	4.28E-05
8	7.76%	97	1.34E-04	16	7.19%	90	1.24E-04	24	1.87%	23	3.23E-05
Total										1,254	

2040 Hourly Traffic Volumes Per Direction and TOG Exhaust Emissions - TEXH_SB_CRK

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.12%	14	1.93E-05	9	7.13%	89	1.23E-04	17	7.44%	93	1.28E-04
2	0.41%	5	7.08E-06	10	4.38%	55	7.56E-05	18	8.24%	103	1.42E-04
3	0.37%	5	6.39E-06	11	4.64%	58	8.01E-05	19	5.73%	72	9.89E-05
4	0.17%	2	2.94E-06	12	5.89%	74	1.02E-04	20	4.30%	54	7.42E-05
5	0.46%	6	7.94E-06	13	6.17%	77	1.07E-04	21	3.25%	41	5.61E-05
6	0.85%	11	1.47E-05	14	6.04%	76	1.04E-04	22	3.31%	42	5.72E-05
7	3.73%	47	6.44E-05	15	7.05%	88	1.22E-04	23	2.48%	31	4.28E-05
8	7.76%	97	1.34E-04	16	7.19%	90	1.24E-04	24	1.87%	23	3.23E-05
Total										1,254	

Ravenswood Specific Plan Update, East Palo Alto, CA - Off-Site Residential

2040 Project Increase - Clark Avenue

TOG Evaporative Emissions Modeling - Roadway Links, Traffic Volumes, and TOG Evaporative Emissions

Year = 2040

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	Line Area					
											Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	(Sigma z) Initial Vertical Dimension
TEVAP_NB_CRK	Clark Avenue Northbound	NB	1	462.5	0.29	9.7	32	1.3	25	1,255	4,467	48,079	3.049E-08	2.248E-08	2.6	1.21
TEVAP_SB_CRK	Clark Avenue Southbound	SB	1	462.3	0.29	9.7	32	1.3	25	1,255	4,465	48,058	3.049E-08	2.248E-08	2.6	1.21
Total										2,509						

Emission Factors - PM2.5 - Evaporative TOG

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle per Hour (g/hour)	0.81597			
Emissions per Vehicle per Mile (g/VMT)	0.03264			

Emission Factors from CT-EMFAC2017

2040 Hourly Traffic Volumes and TOG Evaporative Emissions - TEVAP_NB_CRK

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.12%	14	3.66E-05	9	7.13%	89	2.33E-04	17	7.44%	93	2.43E-04
2	0.41%	5	1.34E-05	10	4.38%	55	1.43E-04	18	8.24%	103	2.69E-04
3	0.37%	5	1.21E-05	11	4.64%	58	1.52E-04	19	5.73%	72	1.87E-04
4	0.17%	2	5.56E-06	12	5.89%	74	1.93E-04	20	4.30%	54	1.41E-04
5	0.46%	6	1.50E-05	13	6.17%	77	2.02E-04	21	3.25%	41	1.06E-04
6	0.85%	11	2.78E-05	14	6.04%	76	1.97E-04	22	3.31%	42	1.08E-04
7	3.73%	47	1.22E-04	15	7.05%	88	2.30E-04	23	2.48%	31	8.11E-05
8	7.76%	97	2.54E-04	16	7.19%	90	2.35E-04	24	1.87%	23	6.11E-05
Total										1,254	

2040 Hourly Traffic Volumes Per Direction and TOG Evaporative Emissions - TEVAP_SB_CRK

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.12%	14	3.66E-05	9	7.13%	89	2.33E-04	17	7.44%	93	2.43E-04
2	0.41%	5	1.34E-05	10	4.38%	55	1.43E-04	18	8.24%	103	2.69E-04
3	0.37%	5	1.21E-05	11	4.64%	58	1.52E-04	19	5.73%	72	1.87E-04
4	0.17%	2	5.55E-06	12	5.89%	74	1.92E-04	20	4.30%	54	1.40E-04
5	0.46%	6	1.50E-05	13	6.17%	77	2.02E-04	21	3.25%	41	1.06E-04
6	0.85%	11	2.78E-05	14	6.04%	76	1.97E-04	22	3.31%	42	1.08E-04
7	3.73%	47	1.22E-04	15	7.05%	88	2.30E-04	23	2.48%	31	8.10E-05
8	7.76%	97	2.54E-04	16	7.19%	90	2.35E-04	24	1.87%	23	6.11E-05
Total										1,254	

Ravenswood Specific Plan Update, East Palo Alto, CA - Off-Site Residential
 2040 Project Increase - Clark Avenue
 Fugitive Road PM2.5 Modeling - Roadway Links, Traffic Volumes, and Fugitive Road PM2.5 Emissions
 Year = 2040

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	Line Area				(Sigma z) Initial Vertical Dimension (m)	
											Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)		Initial Vertical height (m)
FUG_NB_CRK	Clark Avenue Northbound	NB	1	462.5	0.29	9.7	32	1.3	25	1,255	4,467	48,079	2.175E-08	1.604E-08	2.6	1.21
FUG_SB_CRK	Clark Avenue Southbound	SB	1	462.3	0.29	9.7	32	1.3	25	1,255	4,465	48,058	2.175E-08	1.604E-08	2.6	1.21
Total										2,509						

Emission Factors - Fugitive PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Tire Wear - Emissions per Vehicle (g/VMT)	0.00197			
Brake Wear - Emissions per Vehicle (g/VMT)	0.00587			
Road Dust - Emissions per Vehicle (g/VMT)	0.01544			
Total Fugitive PM2.5 - Emissions per Vehicle (g/VMT)	0.02328			

Emission Factors from CT-EMFAC2017

2040 Hourly Traffic Volumes and Fugitive PM2.5 Emissions - FUG_NB_CRK

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.12%	14	2.61E-05	9	7.13%	89	1.66E-04	17	7.44%	93	1.73E-04
2	0.41%	5	9.56E-06	10	4.38%	55	1.02E-04	18	8.24%	103	1.92E-04
3	0.37%	5	8.63E-06	11	4.64%	58	1.08E-04	19	5.73%	72	1.34E-04
4	0.17%	2	3.96E-06	12	5.89%	74	1.37E-04	20	4.30%	54	1.00E-04
5	0.46%	6	1.07E-05	13	6.17%	77	1.44E-04	21	3.25%	41	7.58E-05
6	0.85%	11	1.98E-05	14	6.04%	76	1.41E-04	22	3.31%	42	7.72E-05
7	3.73%	47	8.70E-05	15	7.05%	88	1.64E-04	23	2.48%	31	5.78E-05
8	7.76%	97	1.81E-04	16	7.19%	90	1.68E-04	24	1.87%	23	4.36E-05
Total										1,254	

2040 Hourly Traffic Volumes Per Direction and Fugitive PM2.5 Emissions - FUG_SB_CRK

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.12%	14	2.61E-05	9	7.13%	89	1.66E-04	17	7.44%	93	1.73E-04
2	0.41%	5	9.56E-06	10	4.38%	55	1.02E-04	18	8.24%	103	1.92E-04
3	0.37%	5	8.62E-06	11	4.64%	58	1.08E-04	19	5.73%	72	1.34E-04
4	0.17%	2	3.96E-06	12	5.89%	74	1.37E-04	20	4.30%	54	1.00E-04
5	0.46%	6	1.07E-05	13	6.17%	77	1.44E-04	21	3.25%	41	7.57E-05
6	0.85%	11	1.98E-05	14	6.04%	76	1.41E-04	22	3.31%	42	7.71E-05
7	3.73%	47	8.69E-05	15	7.05%	88	1.64E-04	23	2.48%	31	5.78E-05
8	7.76%	97	1.81E-04	16	7.19%	90	1.68E-04	24	1.87%	23	4.36E-05
Total										1,254	

Ravenswood Specific Plan Update, East Palo Alto, CA - Off-Site Residential
 2040 Project Increase - University Avenue
 DPM Modeling - Roadway Links, Traffic Volumes, and DPM Emissions
 Year = 2040

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	Line Area					(Sigma z) Initial Vertical Dimension
											Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height (m)	
DPM_NB_UNI	University Avenue Northbound	NB	2	940.6	0.58	13.3	43.7	3.4	25	1,360	12,524	134,810	2.332E-10	1.719E-10	6.8	3.16
DPM_SB_UNI	University Avenue Northbound	SB	2	934.4	0.58	13.3	43.7	3.4	25	1,360	12,442	133,922	2.332E-10	1.719E-10	6.8	3.16
Total										2,720						

Emission Factors - DPM

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle (g/VMT)	0.00032			

Emission Factors from CT-EMFAC2017

2040 Hourly Traffic Volumes and DPM Emissions - DPM_NB_UNI

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	4.05%	55	2.84E-06	9	6.94%	94	4.86E-06	17	6.65%	90	4.66E-06
2	3.47%	47	2.43E-06	10	8.53%	116	5.98E-06	18	3.61%	49	2.53E-06
3	2.31%	31	1.62E-06	11	6.36%	86	4.46E-06	19	2.17%	30	1.52E-06
4	1.01%	14	7.08E-07	12	7.51%	102	5.26E-06	20	0.87%	12	6.10E-07
5	1.30%	18	9.11E-07	13	6.94%	94	4.86E-06	21	2.89%	39	2.03E-06
6	2.17%	30	1.52E-06	14	6.50%	88	4.56E-06	22	4.91%	67	3.44E-06
7	4.62%	63	3.24E-06	15	5.92%	81	4.15E-06	23	3.47%	47	2.43E-06
8	3.03%	41	2.12E-06	16	4.19%	57	2.94E-06	24	0.58%	8	4.07E-07
Total										1,360	

2040 Hourly Traffic Volumes Per Direction and DPM Emissions - DPM_SB_UNI

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	4.05%	55	2.82E-06	9	6.94%	94	4.83E-06	17	6.65%	90	4.63E-06
2	3.47%	47	2.42E-06	10	8.53%	116	5.94E-06	18	3.61%	49	2.51E-06
3	2.31%	31	1.61E-06	11	6.36%	86	4.43E-06	19	2.17%	30	1.51E-06
4	1.01%	14	7.03E-07	12	7.51%	102	5.23E-06	20	0.87%	12	6.06E-07
5	1.30%	18	9.05E-07	13	6.94%	94	4.83E-06	21	2.89%	39	2.01E-06
6	2.17%	30	1.51E-06	14	6.50%	88	4.53E-06	22	4.91%	67	3.42E-06
7	4.62%	63	3.22E-06	15	5.92%	81	4.12E-06	23	3.47%	47	2.42E-06
8	3.03%	41	2.11E-06	16	4.19%	57	2.92E-06	24	0.58%	8	4.04E-07
Total										1,360	

Ravenswood Specific Plan Update, East Palo Alto, CA - Off-Site Residential
 2040 Project Increase - University Avenue
 PM2.5 Modeling - Roadway Links, Traffic Volumes, and PM2.5 Emissions
 Year = 2040

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	Line Area					(Sigma z) Initial Vertical Dimension
											Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height (m)	
PM25_NB_UNI	University Avenue Northbound	NB	2	940.6	0.58	13.3	44	1.3	25	1,360	12,524	134,810	8.729E-10	6.436E-10	2.6	1.21
PM25_SB_UNI	University Avenue Northbound	SB	2	934.4	0.58	13.3	44	1.3	25	1,360	12,442	133,922	8.729E-10	6.436E-10	2.6	1.21
Total										2,720						

Emission Factors - PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle (g/VMT)	0.001188			

Emission Factors from CT-EMFAC2017

2040 Hourly Traffic Volumes and PM2.5 Emissions - PM25_NB_UNI

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.12%	15	2.94E-06	9	7.13%	97	1.87E-05	17	7.44%	101	1.95E-05
2	0.41%	6	1.08E-06	10	4.38%	60	1.15E-05	18	8.24%	112	2.16E-05
3	0.37%	5	9.71E-07	11	4.64%	63	1.22E-05	19	5.73%	78	1.50E-05
4	0.17%	2	4.46E-07	12	5.89%	80	1.55E-05	20	4.30%	58	1.13E-05
5	0.46%	6	1.21E-06	13	6.17%	84	1.62E-05	21	3.25%	44	8.53E-06
6	0.85%	12	2.23E-06	14	6.04%	82	1.58E-05	22	3.31%	45	8.69E-06
7	3.73%	51	9.79E-06	15	7.05%	96	1.85E-05	23	2.48%	34	6.51E-06
8	7.76%	106	2.04E-05	16	7.19%	98	1.89E-05	24	1.87%	25	4.91E-06
Total										1,360	

2040 Hourly Traffic Volumes Per Direction and PM2.5 Emissions - PM25_SB_UNI

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.12%	15	2.92E-06	9	7.13%	97	1.86E-05	17	7.44%	101	1.94E-05
2	0.41%	6	1.07E-06	10	4.38%	60	1.14E-05	18	8.24%	112	2.15E-05
3	0.37%	5	9.64E-07	11	4.64%	63	1.21E-05	19	5.73%	78	1.49E-05
4	0.17%	2	4.43E-07	12	5.89%	80	1.54E-05	20	4.30%	58	1.12E-05
5	0.46%	6	1.20E-06	13	6.17%	84	1.61E-05	21	3.25%	44	8.47E-06
6	0.85%	12	2.22E-06	14	6.04%	82	1.57E-05	22	3.31%	45	8.63E-06
7	3.73%	51	9.72E-06	15	7.05%	96	1.84E-05	23	2.48%	34	6.46E-06
8	7.76%	106	2.02E-05	16	7.19%	98	1.87E-05	24	1.87%	25	4.87E-06
Total										1,360	

Ravenswood Specific Plan Update, East Palo Alto, CA - Off-Site Residential
 2040 Project Increase - University Avenue
 TOG Exhaust Modeling - Roadway Links, Traffic Volumes, and TOG Exhaust Emissions
 Year = 2040

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	Line Area					(Sigma z) Initial Vertical Dimension
											Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	
TEXH_NB_UNI	University Avenue Northbound	NB	2	940.6	0.58	13.3	44	1.3	25	1,360	12,524	134,810	1.267E-08	9.342E-09	2.6	1.21
TEXH_SB_UNI	University Avenue Northbound	SB	2	934.4	0.58	13.3	44	1.3	25	1,360	12,442	133,922	1.267E-08	9.342E-09	2.6	1.21
										Total	2,720					

Emission Factors - TOG Exhaust

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle (g/VMT)	0.01725			

Emission Factors from CT-EMFAC2017

2040 Hourly Traffic Volumes and TOG Exhaust Emissions - TEXH_NB_UNI

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	
1	1.12%	15	4.27E-05	9	7.13%	97	2.72E-04	17	7.44%	101	2.83E-04	
2	0.41%	6	1.56E-05	10	4.38%	60	1.67E-04	18	8.24%	112	3.14E-04	
3	0.37%	5	1.41E-05	11	4.64%	63	1.77E-04	19	5.73%	78	2.18E-04	
4	0.17%	2	6.47E-06	12	5.89%	80	2.24E-04	20	4.30%	58	1.64E-04	
5	0.46%	6	1.75E-05	13	6.17%	84	2.35E-04	21	3.25%	44	1.24E-04	
6	0.85%	12	3.24E-05	14	6.04%	82	2.30E-04	22	3.31%	45	1.26E-04	
7	3.73%	51	1.42E-04	15	7.05%	96	2.69E-04	23	2.48%	34	9.45E-05	
8	7.76%	106	2.96E-04	16	7.19%	98	2.74E-04	24	1.87%	25	7.12E-05	
										Total	1,360	

2040 Hourly Traffic Volumes Per Direction and TOG Exhaust Emissions - TEXH_SB_UNI

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.12%	15	4.24E-05	9	7.13%	97	2.70E-04	17	7.44%	101	2.81E-04
2	0.41%	6	1.55E-05	10	4.38%	60	1.66E-04	18	8.24%	112	3.12E-04
3	0.37%	5	1.40E-05	11	4.64%	63	1.76E-04	19	5.73%	78	2.17E-04
4	0.17%	2	6.43E-06	12	5.89%	80	2.23E-04	20	4.30%	58	1.63E-04
5	0.46%	6	1.74E-05	13	6.17%	84	2.33E-04	21	3.25%	44	1.23E-04
6	0.85%	12	3.22E-05	14	6.04%	82	2.29E-04	22	3.31%	45	1.25E-04
7	3.73%	51	1.41E-04	15	7.05%	96	2.67E-04	23	2.48%	34	9.38E-05
8	7.76%	106	2.94E-04	16	7.19%	98	2.72E-04	24	1.87%	25	7.08E-05
										Total	1,360

Ravenswood Specific Plan Update, East Palo Alto, CA - Off-Site Residential

2040 Project Increase - University Avenue

TOG Evaporative Emissions Modeling - Roadway Links, Traffic Volumes, and TOG Evaporative Emissions

Year = 2040

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	Line Area					(Sigma z)
											Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	Initial Vertical Dimension
TEVAP_NB_UNI	University Avenue Northbound	NB	2	940.6	0.58	13.3	44	1.3	25	1,360	12,524	134,810	2.398E-08	1.768E-08	2.6	1.21
TEVAP_SB_UNI	University Avenue Northbound	SB	2	934.4	0.58	13.3	44	1.3	25	1,360	12,442	133,922	2.398E-08	1.768E-08	2.6	1.21
Total										2,720						

Emission Factors - PM2.5 - Evaporative TOG

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle per Hour (g/hour)	0.81597			
Emissions per Vehicle per Mile (g/VMT)	0.03264			

Emission Factors from CT-EMFAC2017

2040 Hourly Traffic Volumes and TOG Evaporative Emissions - TEVAP_NB_UNI

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.12%	15	8.07E-05	9	7.13%	97	5.14E-04	17	7.44%	101	5.36E-04
2	0.41%	6	2.95E-05	10	4.38%	60	3.16E-04	18	8.24%	112	5.94E-04
3	0.37%	5	2.67E-05	11	4.64%	63	3.34E-04	19	5.73%	78	4.13E-04
4	0.17%	2	1.23E-05	12	5.89%	80	4.24E-04	20	4.30%	58	3.10E-04
5	0.46%	6	3.32E-05	13	6.17%	84	4.45E-04	21	3.25%	44	2.34E-04
6	0.85%	12	6.13E-05	14	6.04%	82	4.35E-04	22	3.31%	45	2.39E-04
7	3.73%	51	2.69E-04	15	7.05%	96	5.08E-04	23	2.48%	34	1.79E-04
8	7.76%	106	5.59E-04	16	7.19%	98	5.18E-04	24	1.87%	25	1.35E-04
Total										1,360	

2040 Hourly Traffic Volumes Per Direction and TOG Evaporative Emissions - TEVAP_SB_UNI

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.12%	15	8.02E-05	9	7.13%	97	5.10E-04	17	7.44%	101	5.33E-04
2	0.41%	6	2.94E-05	10	4.38%	60	3.14E-04	18	8.24%	112	5.90E-04
3	0.37%	5	2.65E-05	11	4.64%	63	3.32E-04	19	5.73%	78	4.10E-04
4	0.17%	2	1.22E-05	12	5.89%	80	4.22E-04	20	4.30%	58	3.08E-04
5	0.46%	6	3.29E-05	13	6.17%	84	4.42E-04	21	3.25%	44	2.33E-04
6	0.85%	12	6.09E-05	14	6.04%	82	4.32E-04	22	3.31%	45	2.37E-04
7	3.73%	51	2.67E-04	15	7.05%	96	5.05E-04	23	2.48%	34	1.78E-04
8	7.76%	106	5.56E-04	16	7.19%	98	5.15E-04	24	1.87%	25	1.34E-04
Total										1,360	

Ravenswood Specific Plan Update, East Palo Alto, CA - Off-Site Residential
 2040 Project Increase - University Avenue
 Fugitive Road PM2.5 Modeling - Roadway Links, Traffic Volumes, and Fugitive Road PM2.5 Emissions
 Year = 2040

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	Line Area				(Sigma z) Initial Vertical Dimension (m)	
											Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)		Initial Vertical height (m)
FUG_NB_UNI	University Avenue Northbound	NB	2	940.6	0.58	13.3	44	1.3	25	1,360	12,524	134,810	1.710E-08	1.261E-08	2.6	1.21
FUG_SB_UNI	University Avenue Northbound	SB	2	934.4	0.58	13.3	44	1.3	25	1,360	12,442	133,922	1.710E-08	1.261E-08	2.6	1.21
Total										2,720						

Emission Factors - Fugitive PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Tire Wear - Emissions per Vehicle (g/VMT)	0.00197			
Brake Wear - Emissions per Vehicle (g/VMT)	0.00587			
Road Dust - Emissions per Vehicle (g/VMT)	0.01544			
Total Fugitive PM2.5 - Emissions per Vehicle (g/VMT)	0.02328			

Emission Factors from CT-EMFAC2017

2040 Hourly Traffic Volumes and Fugitive PM2.5 Emissions - FUG_NB_UNI

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.12%	15	5.76E-05	9	7.13%	97	3.67E-04	17	7.44%	101	3.82E-04
2	0.41%	6	2.11E-05	10	4.38%	60	2.25E-04	18	8.24%	112	4.24E-04
3	0.37%	5	1.90E-05	11	4.64%	63	2.39E-04	19	5.73%	78	2.95E-04
4	0.17%	2	8.74E-06	12	5.89%	80	3.03E-04	20	4.30%	58	2.21E-04
5	0.46%	6	2.36E-05	13	6.17%	84	3.17E-04	21	3.25%	44	1.67E-04
6	0.85%	12	4.37E-05	14	6.04%	82	3.11E-04	22	3.31%	45	1.70E-04
7	3.73%	51	1.92E-04	15	7.05%	96	3.62E-04	23	2.48%	34	1.27E-04
8	7.76%	106	3.99E-04	16	7.19%	98	3.70E-04	24	1.87%	25	9.61E-05
Total										1,360	

2040 Hourly Traffic Volumes Per Direction and Fugitive PM2.5 Emissions - FUG_SB_UNI

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.12%	15	5.72E-05	9	7.13%	97	3.64E-04	17	7.44%	101	3.80E-04
2	0.41%	6	2.09E-05	10	4.38%	60	2.24E-04	18	8.24%	112	4.21E-04
3	0.37%	5	1.89E-05	11	4.64%	63	2.37E-04	19	5.73%	78	2.93E-04
4	0.17%	2	8.68E-06	12	5.89%	80	3.01E-04	20	4.30%	58	2.20E-04
5	0.46%	6	2.35E-05	13	6.17%	84	3.15E-04	21	3.25%	44	1.66E-04
6	0.85%	12	4.34E-05	14	6.04%	82	3.08E-04	22	3.31%	45	1.69E-04
7	3.73%	51	1.90E-04	15	7.05%	96	3.60E-04	23	2.48%	34	1.27E-04
8	7.76%	106	3.96E-04	16	7.19%	98	3.67E-04	24	1.87%	25	9.55E-05
Total										1,360	

Attachment 5: Cumulative Risk Information and Calculations

Ravenswood Specific Plan Update, East Palo Alto, CA - Off-Site Residential
 2040 Plus Project - Bay Road
 DPM Modeling - Roadway Links, Traffic Volumes, and DPM Emissions
 Year = 2040

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	Line Area					(Sigma z) Initial Vertical Dimension
											Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height (m)	
DPM_EB_BAY	Bay Road Eastbound	EB	2	2048.0	1.27	13.3	43.7	3.4	25	13,206	27,270	293,527	2.264E-09	1.670E-09	6.8	3.16
DPM_WB_BAY	Bay Road Westbound	WB	2	2046.9	1.27	13.3	43.7	3.4	25	13,206	27,255	293,369	2.264E-09	1.670E-09	6.8	3.16
Total										26,413						

Emission Factors - DPM

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle (g/VMT)	0.00032			

Emission Factors from CT-EMFAC2017

2040 Hourly Traffic Volumes and DPM Emissions - DPM_EB_BAY

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	4.05%	535	6.00E-05	9	6.94%	917	1.03E-04	17	6.65%	878	9.85E-05
2	3.47%	458	5.14E-05	10	8.53%	1127	1.26E-04	18	3.61%	477	5.35E-05
3	2.31%	305	3.42E-05	11	6.36%	840	9.43E-05	19	2.17%	287	3.22E-05
4	1.01%	133	1.50E-05	12	7.51%	992	1.11E-04	20	0.87%	115	1.29E-05
5	1.30%	172	1.93E-05	13	6.94%	917	1.03E-04	21	2.89%	382	4.28E-05
6	2.17%	287	3.22E-05	14	6.50%	858	9.63E-05	22	4.91%	648	7.28E-05
7	4.62%	610	6.85E-05	15	5.92%	782	8.77E-05	23	3.47%	458	5.14E-05
8	3.03%	400	4.49E-05	16	4.19%	553	6.21E-05	24	0.58%	77	8.60E-06
Total										13,206	

2040 Hourly Traffic Volumes Per Direction and DPM Emissions - DPM_WB_BAY

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	4.05%	535	6.00E-05	9	6.94%	917	1.03E-04	17	6.65%	878	9.85E-05
2	3.47%	458	5.14E-05	10	8.53%	1127	1.26E-04	18	3.61%	477	5.35E-05
3	2.31%	305	3.42E-05	11	6.36%	840	9.42E-05	19	2.17%	287	3.21E-05
4	1.01%	133	1.50E-05	12	7.51%	992	1.11E-04	20	0.87%	115	1.29E-05
5	1.30%	172	1.93E-05	13	6.94%	917	1.03E-04	21	2.89%	382	4.28E-05
6	2.17%	287	3.21E-05	14	6.50%	858	9.63E-05	22	4.91%	648	7.27E-05
7	4.62%	610	6.84E-05	15	5.92%	782	8.77E-05	23	3.47%	458	5.14E-05
8	3.03%	400	4.49E-05	16	4.19%	553	6.21E-05	24	0.58%	77	8.59E-06
Total										13,206	

Ravenswood Specific Plan Update, East Palo Alto, CA - Off-Site Residential
 2040 Plus Project - Bay Road
 PM2.5 Modeling - Roadway Links, Traffic Volumes, and PM2.5 Emissions
 Year = 2040

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	Line Area					(Sigma z) Initial Vertical Dimension
											Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height (m)	
PM25_EB_BAY	Bay Road Eastbound	EB	2	2048.0	1.27	13.3	44	1.3	25	13,206	27,270	293,527	8.477E-09	6.250E-09	2.6	1.21
PM25_WB_BAY	Bay Road Westbound	WB	2	2046.9	1.27	13.3	44	1.3	25	13,206	27,255	293,369	8.477E-09	6.250E-09	2.6	1.21
Total										26,413						

Emission Factors - PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle (g/VMT)	0.001188			

Emission Factors from CT-EMFAC2017

2040 Hourly Traffic Volumes and PM2.5 Emissions - PM25_EB_BAY

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	
1	1.12%	148	6.21E-05	9	7.13%	942	3.96E-04	17	7.44%	983	4.13E-04	
2	0.41%	54	2.27E-05	10	4.38%	578	2.43E-04	18	8.24%	1088	4.57E-04	
3	0.37%	49	2.05E-05	11	4.64%	613	2.57E-04	19	5.73%	757	3.18E-04	
4	0.17%	22	9.43E-06	12	5.89%	778	3.27E-04	20	4.30%	568	2.39E-04	
5	0.46%	61	2.55E-05	13	6.17%	815	3.42E-04	21	3.25%	429	1.80E-04	
6	0.85%	112	4.72E-05	14	6.04%	798	3.35E-04	22	3.31%	437	1.84E-04	
7	3.73%	493	2.07E-04	15	7.05%	931	3.91E-04	23	2.48%	328	1.38E-04	
8	7.76%	1025	4.31E-04	16	7.19%	950	3.99E-04	24	1.87%	247	1.04E-04	
Total											13,204	

2040 Hourly Traffic Volumes Per Direction and PM2.5 Emissions - PM25_WB_BAY

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	
1	1.12%	148	6.21E-05	9	7.13%	942	3.95E-04	17	7.44%	983	4.13E-04	
2	0.41%	54	2.27E-05	10	4.38%	578	2.43E-04	18	8.24%	1088	4.57E-04	
3	0.37%	49	2.05E-05	11	4.64%	613	2.57E-04	19	5.73%	757	3.18E-04	
4	0.17%	22	9.43E-06	12	5.89%	778	3.27E-04	20	4.30%	568	2.38E-04	
5	0.46%	61	2.55E-05	13	6.17%	815	3.42E-04	21	3.25%	429	1.80E-04	
6	0.85%	112	4.71E-05	14	6.04%	798	3.35E-04	22	3.31%	437	1.84E-04	
7	3.73%	493	2.07E-04	15	7.05%	931	3.91E-04	23	2.48%	328	1.38E-04	
8	7.76%	1025	4.30E-04	16	7.19%	950	3.99E-04	24	1.87%	247	1.04E-04	
Total											13,204	

Ravenswood Specific Plan Update, East Palo Alto, CA - Off-Site Residential
 2040 Plus Project - Bay Road
 TOG Exhaust Modeling - Roadway Links, Traffic Volumes, and TOG Exhaust Emissions
 Year = 2040

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	Line Area					(Sigma z) Initial Vertical Dimension
											Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	
TEXH_EB_BAY	Bay Road Eastbound	EB	2	2048.0	1.27	13.3	44	1.3	25	13,206	27,270	293,527	1.230E-07	9.072E-08	2.6	1.21
TEXH_WB_BAY	Bay Road Westbound	WB	2	2046.9	1.27	13.3	44	1.3	25	13,206	27,255	293,369	1.230E-07	9.072E-08	2.6	1.21
Total										26,413						

Emission Factors - TOG Exhaust

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle (g/VMT)	0.01725			

Emission Factors from CT-EMFAC2017

2040 Hourly Traffic Volumes and TOG Exhaust Emissions - TEXH_EB_BAY

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.12%	148	9.02E-04	9	7.13%	942	5.74E-03	17	7.44%	983	5.99E-03
2	0.41%	54	3.30E-04	10	4.38%	578	3.53E-03	18	8.24%	1088	6.64E-03
3	0.37%	49	2.98E-04	11	4.64%	613	3.74E-03	19	5.73%	757	4.61E-03
4	0.17%	22	1.37E-04	12	5.89%	778	4.74E-03	20	4.30%	568	3.46E-03
5	0.46%	61	3.70E-04	13	6.17%	815	4.97E-03	21	3.25%	429	2.62E-03
6	0.85%	112	6.84E-04	14	6.04%	798	4.86E-03	22	3.31%	437	2.67E-03
7	3.73%	493	3.00E-03	15	7.05%	931	5.68E-03	23	2.48%	328	2.00E-03
8	7.76%	1025	6.25E-03	16	7.19%	950	5.79E-03	24	1.87%	247	1.51E-03
Total										13,204	

2040 Hourly Traffic Volumes Per Direction and TOG Exhaust Emissions - TEXH_WB_BAY

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.12%	148	9.01E-04	9	7.13%	942	5.74E-03	17	7.44%	983	5.99E-03
2	0.41%	54	3.30E-04	10	4.38%	578	3.53E-03	18	8.24%	1088	6.63E-03
3	0.37%	49	2.98E-04	11	4.64%	613	3.73E-03	19	5.73%	757	4.61E-03
4	0.17%	22	1.37E-04	12	5.89%	778	4.74E-03	20	4.30%	568	3.46E-03
5	0.46%	61	3.70E-04	13	6.17%	815	4.97E-03	21	3.25%	429	2.62E-03
6	0.85%	112	6.84E-04	14	6.04%	798	4.86E-03	22	3.31%	437	2.66E-03
7	3.73%	493	3.00E-03	15	7.05%	931	5.67E-03	23	2.48%	328	2.00E-03
8	7.76%	1025	6.25E-03	16	7.19%	950	5.79E-03	24	1.87%	247	1.51E-03
Total										13,204	

Ravenswood Specific Plan Update, East Palo Alto, CA - Off-Site Residential

2040 Plus Project - Bay Road

TOG Evaporative Emissions Modeling - Roadway Links, Traffic Volumes, and TOG Evaporative Emissions

Year = 2040

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	Line Area					
											Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	(Sigma z) Initial Vertical Dimension
TEVAP_EB_BAY	Bay Road Eastbound	EB	2	2048.0	1.27	13.3	44	1.3	25	13,206	27,270	293,527	2.328E-07	1.717E-07	2.6	1.21
TEVAP_WB_BAY	Bay Road Westbound	WB	2	2046.9	1.27	13.3	44	1.3	25	13,206	27,255	293,369	2.328E-07	1.717E-07	2.6	1.21
Total										26,413						

Emission Factors - PM2.5 - Evaporative TOG

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle per Hour (g/hour)	0.81597			
Emissions per Vehicle per Mile (g/VMT)	0.03264			

Emission Factors from CT-EMFAC2017

2040 Hourly Traffic Volumes and TOG Evaporative Emissions - TEVAP_EB_BAY

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.12%	148	1.71E-03	9	7.13%	942	1.09E-02	17	7.44%	983	1.13E-02
2	0.41%	54	6.25E-04	10	4.38%	578	6.67E-03	18	8.24%	1088	1.26E-02
3	0.37%	49	5.64E-04	11	4.64%	613	7.07E-03	19	5.73%	757	8.73E-03
4	0.17%	22	2.59E-04	12	5.89%	778	8.97E-03	20	4.30%	568	6.55E-03
5	0.46%	61	7.01E-04	13	6.17%	815	9.40E-03	21	3.25%	429	4.95E-03
6	0.85%	112	1.30E-03	14	6.04%	798	9.20E-03	22	3.31%	437	5.04E-03
7	3.73%	493	5.68E-03	15	7.05%	931	1.07E-02	23	2.48%	328	3.78E-03
8	7.76%	1025	1.18E-02	16	7.19%	950	1.10E-02	24	1.87%	247	2.85E-03
Total										13,204	

2040 Hourly Traffic Volumes Per Direction and TOG Evaporative Emissions - TEVAP_WB_BAY

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.12%	148	1.71E-03	9	7.13%	942	1.09E-02	17	7.44%	983	1.13E-02
2	0.41%	54	6.24E-04	10	4.38%	578	6.67E-03	18	8.24%	1088	1.25E-02
3	0.37%	49	5.63E-04	11	4.64%	613	7.07E-03	19	5.73%	757	8.73E-03
4	0.17%	22	2.59E-04	12	5.89%	778	8.97E-03	20	4.30%	568	6.55E-03
5	0.46%	61	7.01E-04	13	6.17%	815	9.40E-03	21	3.25%	429	4.95E-03
6	0.85%	112	1.29E-03	14	6.04%	798	9.20E-03	22	3.31%	437	5.04E-03
7	3.73%	493	5.68E-03	15	7.05%	931	1.07E-02	23	2.48%	328	3.78E-03
8	7.76%	1025	1.18E-02	16	7.19%	950	1.09E-02	24	1.87%	247	2.85E-03
Total										13,204	

Ravenswood Specific Plan Update, East Palo Alto, CA - Off-Site Residential
 2040 Plus Project - Bay Road
 Fugitive Road PM2.5 Modeling - Roadway Links, Traffic Volumes, and Fugitive Road PM2.5 Emissions
 Year = 2040

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	Line Area					(Sigma z) Initial Vertical Dimension (m)
											Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height (m)	
FUG_EB_BAY	Bay Road Eastbound	EB	2	2048.0	1.27	13.3	44	1.3	25	13,206	27,270	293,527	1.661E-07	1.225E-07	2.6	1.21
FUG_WB_BAY	Bay Road Westbound	WB	2	2046.9	1.27	13.3	44	1.3	25	13,206	27,255	293,369	1.661E-07	1.225E-07	2.6	1.21
Total										26,413						

Emission Factors - Fugitive PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Tire Wear - Emissions per Vehicle (g/VMT)	0.00197			
Brake Wear - Emissions per Vehicle (g/VMT)	0.00587			
Road Dust - Emissions per Vehicle (g/VMT)	0.01544			
Total Fugitive PM2.5 - Emissions per Vehicle (g/VMT)	0.02328			

Emission Factors from CT-EMFAC2017

2040 Hourly Traffic Volumes and Fugitive PM2.5 Emissions - FUG_EB_BAY

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.12%	148	1.22E-03	9	7.13%	942	7.75E-03	17	7.44%	983	8.09E-03
2	0.41%	54	4.46E-04	10	4.38%	578	4.76E-03	18	8.24%	1088	8.96E-03
3	0.37%	49	4.02E-04	11	4.64%	613	5.04E-03	19	5.73%	757	6.23E-03
4	0.17%	22	1.85E-04	12	5.89%	778	6.40E-03	20	4.30%	568	4.67E-03
5	0.46%	61	5.00E-04	13	6.17%	815	6.71E-03	21	3.25%	429	3.53E-03
6	0.85%	112	9.24E-04	14	6.04%	798	6.57E-03	22	3.31%	437	3.60E-03
7	3.73%	493	4.05E-03	15	7.05%	931	7.66E-03	23	2.48%	328	2.70E-03
8	7.76%	1025	8.43E-03	16	7.19%	950	7.82E-03	24	1.87%	247	2.03E-03
Total										13,204	

2040 Hourly Traffic Volumes Per Direction and Fugitive PM2.5 Emissions - FUG_WB_BAY

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.12%	148	1.22E-03	9	7.13%	942	7.75E-03	17	7.44%	983	8.08E-03
2	0.41%	54	4.45E-04	10	4.38%	578	4.76E-03	18	8.24%	1088	8.95E-03
3	0.37%	49	4.02E-04	11	4.64%	613	5.04E-03	19	5.73%	757	6.22E-03
4	0.17%	22	1.85E-04	12	5.89%	778	6.40E-03	20	4.30%	568	4.67E-03
5	0.46%	61	5.00E-04	13	6.17%	815	6.70E-03	21	3.25%	429	3.53E-03
6	0.85%	112	9.23E-04	14	6.04%	798	6.56E-03	22	3.31%	437	3.60E-03
7	3.73%	493	4.05E-03	15	7.05%	931	7.66E-03	23	2.48%	328	2.69E-03
8	7.76%	1025	8.43E-03	16	7.19%	950	7.81E-03	24	1.87%	247	2.03E-03
Total										13,204	

Ravenswood Specific Plan Update, East Palo Alto, CA - Off-Site Residential
 2040 Plus Project - Clark Avenue
 DPM Modeling - Roadway Links, Traffic Volumes, and DPM Emissions
 Year = 2040

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	Line Area					
											Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height (m)	(Sigma z) Initial Vertical Dimension
DPM_NB_CRK	Clark Avenue Northbound	NB	1	462.5	0.29	9.7	31.7	3.4	25	6,883	4,467	48,079	1.627E-09	1.200E-09	6.8	3.16
DPM_SB_CRK	Clark Avenue Southbound	SB	1	462.3	0.29	9.7	31.7	3.4	25	6,883	4,465	48,058	1.627E-09	1.200E-09	6.8	3.16
Total										13,767						

Emission Factors - DPM

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle (g/VMT)	0.00032			

Emission Factors from CT-EMFAC2017

2040 Hourly Traffic Volumes and DPM Emissions - DPM_NB_CRK

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	4.05%	279	7.06E-06	9	6.94%	478	1.21E-05	17	6.65%	458	1.16E-05
2	3.47%	239	6.05E-06	10	8.53%	587	1.49E-05	18	3.61%	248	6.30E-06
3	2.31%	159	4.03E-06	11	6.36%	438	1.11E-05	19	2.17%	149	3.79E-06
4	1.01%	70	1.76E-06	12	7.51%	517	1.31E-05	20	0.87%	60	1.52E-06
5	1.30%	89	2.27E-06	13	6.94%	478	1.21E-05	21	2.89%	199	5.04E-06
6	2.17%	149	3.79E-06	14	6.50%	447	1.13E-05	22	4.91%	338	8.56E-06
7	4.62%	318	8.06E-06	15	5.92%	407	1.03E-05	23	3.47%	239	6.05E-06
8	3.03%	209	5.29E-06	16	4.19%	288	7.31E-06	24	0.58%	40	1.01E-06
Total										6,883	

2040 Hourly Traffic Volumes Per Direction and DPM Emissions - DPM_SB_CRK

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	4.05%	279	7.06E-06	9	6.94%	478	1.21E-05	17	6.65%	458	1.16E-05
2	3.47%	239	6.05E-06	10	8.53%	587	1.49E-05	18	3.61%	248	6.29E-06
3	2.31%	159	4.03E-06	11	6.36%	438	1.11E-05	19	2.17%	149	3.78E-06
4	1.01%	70	1.76E-06	12	7.51%	517	1.31E-05	20	0.87%	60	1.52E-06
5	1.30%	89	2.27E-06	13	6.94%	478	1.21E-05	21	2.89%	199	5.04E-06
6	2.17%	149	3.78E-06	14	6.50%	447	1.13E-05	22	4.91%	338	8.56E-06
7	4.62%	318	8.06E-06	15	5.92%	407	1.03E-05	23	3.47%	239	6.05E-06
8	3.03%	209	5.28E-06	16	4.19%	288	7.31E-06	24	0.58%	40	1.01E-06
Total										6,883	

Ravenswood Specific Plan Update, East Palo Alto, CA - Off-Site Residential
 2040 Plus Project - Clark Avenue
 PM2.5 Modeling - Roadway Links, Traffic Volumes, and PM2.5 Emissions
 Year = 2040

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	Line Area					(Sigma z) Initial Vertical Dimension
											Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height (m)	
PM25_NB_CRK	Clark Avenue Northbound	NB	1	462.5	0.29	9.7	32	1.3	25	6,883	4,467	48,079	6.091E-09	4.491E-09	2.6	1.21
PM25_SB_CRK	Clark Avenue Southbound	SB	1	462.3	0.29	9.7	32	1.3	25	6,883	4,465	48,058	6.091E-09	4.491E-09	2.6	1.21
Total										13,767						

Emission Factors - PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle (g/VMT)	0.001188			

Emission Factors from CT-EMFAC2017

2040 Hourly Traffic Volumes and PM2.5 Emissions - PM25_NB_CRK

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.12%	77	7.31E-06	9	7.13%	491	4.66E-05	17	7.44%	512	4.86E-05
2	0.41%	28	2.68E-06	10	4.38%	301	2.86E-05	18	8.24%	567	5.38E-05
3	0.37%	25	2.42E-06	11	4.64%	319	3.03E-05	19	5.73%	394	3.74E-05
4	0.17%	12	1.11E-06	12	5.89%	405	3.85E-05	20	4.30%	296	2.81E-05
5	0.46%	32	3.00E-06	13	6.17%	425	4.03E-05	21	3.25%	224	2.12E-05
6	0.85%	59	5.55E-06	14	6.04%	416	3.94E-05	22	3.31%	228	2.16E-05
7	3.73%	257	2.44E-05	15	7.05%	485	4.60E-05	23	2.48%	171	1.62E-05
8	7.76%	534	5.07E-05	16	7.19%	495	4.70E-05	24	1.87%	129	1.22E-05
Total										6,882	

2040 Hourly Traffic Volumes Per Direction and PM2.5 Emissions - PM25_SB_CRK

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.12%	77	7.31E-06	9	7.13%	491	4.65E-05	17	7.44%	512	4.86E-05
2	0.41%	28	2.68E-06	10	4.38%	301	2.86E-05	18	8.24%	567	5.38E-05
3	0.37%	25	2.42E-06	11	4.64%	319	3.03E-05	19	5.73%	394	3.74E-05
4	0.17%	12	1.11E-06	12	5.89%	405	3.84E-05	20	4.30%	296	2.81E-05
5	0.46%	32	3.00E-06	13	6.17%	425	4.03E-05	21	3.25%	224	2.12E-05
6	0.85%	59	5.55E-06	14	6.04%	416	3.94E-05	22	3.31%	228	2.16E-05
7	3.73%	257	2.43E-05	15	7.05%	485	4.60E-05	23	2.48%	171	1.62E-05
8	7.76%	534	5.07E-05	16	7.19%	495	4.69E-05	24	1.87%	129	1.22E-05
Total										6,882	

Ravenswood Specific Plan Update, East Palo Alto, CA - Off-Site Residential
 2040 Plus Project - Clark Avenue
 TOG Exhaust Modeling - Roadway Links, Traffic Volumes, and TOG Exhaust Emissions
 Year = 2040

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	Line Area					(Sigma z) Initial Vertical Dimension
											Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	
TEXH_NB_CRK	Clark Avenue Northbound	NB	1	462.5	0.29	9.7	32	1.3	25	6,883	4,467	48,079	8.842E-08	6.519E-08	2.6	1.21
TEXH_SB_CRK	Clark Avenue Southbound	SB	1	462.3	0.29	9.7	32	1.3	25	6,883	4,465	48,058	8.842E-08	6.519E-08	2.6	1.21
Total										13,767						

Emission Factors - TOG Exhaust

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle (g/VMT)	0.01725			

Emission Factors from CT-EMFAC2017

2040 Hourly Traffic Volumes and TOG Exhaust Emissions - TEXH_NB_CRK

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.12%	77	1.06E-04	9	7.13%	491	6.76E-04	17	7.44%	512	7.05E-04
2	0.41%	28	3.89E-05	10	4.38%	301	4.15E-04	18	8.24%	567	7.81E-04
3	0.37%	25	3.51E-05	11	4.64%	319	4.40E-04	19	5.73%	394	5.43E-04
4	0.17%	12	1.61E-05	12	5.89%	405	5.58E-04	20	4.30%	296	4.08E-04
5	0.46%	32	4.36E-05	13	6.17%	425	5.85E-04	21	3.25%	224	3.08E-04
6	0.85%	59	8.06E-05	14	6.04%	416	5.72E-04	22	3.31%	228	3.14E-04
7	3.73%	257	3.54E-04	15	7.05%	485	6.68E-04	23	2.48%	171	2.35E-04
8	7.76%	534	7.36E-04	16	7.19%	495	6.81E-04	24	1.87%	129	1.77E-04
Total										6,882	

2040 Hourly Traffic Volumes Per Direction and TOG Exhaust Emissions - TEXH_SB_CRK

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.12%	77	1.06E-04	9	7.13%	491	6.76E-04	17	7.44%	512	7.05E-04
2	0.41%	28	3.88E-05	10	4.38%	301	4.15E-04	18	8.24%	567	7.81E-04
3	0.37%	25	3.51E-05	11	4.64%	319	4.40E-04	19	5.73%	394	5.43E-04
4	0.17%	12	1.61E-05	12	5.89%	405	5.58E-04	20	4.30%	296	4.07E-04
5	0.46%	32	4.36E-05	13	6.17%	425	5.85E-04	21	3.25%	224	3.08E-04
6	0.85%	59	8.05E-05	14	6.04%	416	5.72E-04	22	3.31%	228	3.14E-04
7	3.73%	257	3.53E-04	15	7.05%	485	6.68E-04	23	2.48%	171	2.35E-04
8	7.76%	534	7.35E-04	16	7.19%	495	6.81E-04	24	1.87%	129	1.77E-04
Total										6,882	

Ravenswood Specific Plan Update, East Palo Alto, CA - Off-Site Residential

2040 Plus Project - Clark Avenue

TOG Evaporative Emissions Modeling - Roadway Links, Traffic Volumes, and TOG Evaporative Emissions

Year = 2040

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	Line Area					
											Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	(Sigma z) Initial Vertical Dimension
TEVAP_NB_CRK	Clark Avenue Northbound	NB	1	462.5	0.29	9.7	32	1.3	25	6,883	4,467	48,079	1.673E-07	1.234E-07	2.6	1.21
TEVAP_SB_CRK	Clark Avenue Southbound	SB	1	462.3	0.29	9.7	32	1.3	25	6,883	4,465	48,058	1.673E-07	1.234E-07	2.6	1.21
Total										13,767						

Emission Factors - PM2.5 - Evaporative TOG

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle per Hour (g/hour)	0.81597			
Emissions per Vehicle per Mile (g/VMT)	0.03264			

Emission Factors from CT-EMFAC2017

2040 Hourly Traffic Volumes and TOG Evaporative Emissions - TEVAP_NB_CRK

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.12%	77	2.01E-04	9	7.13%	491	1.28E-03	17	7.44%	512	1.33E-03
2	0.41%	28	7.35E-05	10	4.38%	301	7.86E-04	18	8.24%	567	1.48E-03
3	0.37%	25	6.64E-05	11	4.64%	319	8.32E-04	19	5.73%	394	1.03E-03
4	0.17%	12	3.05E-05	12	5.89%	405	1.06E-03	20	4.30%	296	7.71E-04
5	0.46%	32	8.25E-05	13	6.17%	425	1.11E-03	21	3.25%	224	5.83E-04
6	0.85%	59	1.52E-04	14	6.04%	416	1.08E-03	22	3.31%	228	5.94E-04
7	3.73%	257	6.69E-04	15	7.05%	485	1.26E-03	23	2.48%	171	4.45E-04
8	7.76%	534	1.39E-03	16	7.19%	495	1.29E-03	24	1.87%	129	3.35E-04
Total										6,882	

2040 Hourly Traffic Volumes Per Direction and TOG Evaporative Emissions - TEVAP_SB_CRK

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.12%	77	2.01E-04	9	7.13%	491	1.28E-03	17	7.44%	512	1.33E-03
2	0.41%	28	7.35E-05	10	4.38%	301	7.85E-04	18	8.24%	567	1.48E-03
3	0.37%	25	6.63E-05	11	4.64%	319	8.32E-04	19	5.73%	394	1.03E-03
4	0.17%	12	3.05E-05	12	5.89%	405	1.06E-03	20	4.30%	296	7.71E-04
5	0.46%	32	8.25E-05	13	6.17%	425	1.11E-03	21	3.25%	224	5.83E-04
6	0.85%	59	1.52E-04	14	6.04%	416	1.08E-03	22	3.31%	228	5.93E-04
7	3.73%	257	6.69E-04	15	7.05%	485	1.26E-03	23	2.48%	171	4.45E-04
8	7.76%	534	1.39E-03	16	7.19%	495	1.29E-03	24	1.87%	129	3.35E-04
Total										6,882	

Ravenswood Specific Plan Update, East Palo Alto, CA - Off-Site Residential
 2040 Plus Project - Clark Avenue
 Fugitive Road PM2.5 Modeling - Roadway Links, Traffic Volumes, and Fugitive Road PM2.5 Emissions
 Year = 2040

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	Line Area				(Sigma z) Initial Vertical Dimension (m)	
											Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)		Initial Vertical height (m)
FUG_NB_CRK	Clark Avenue Northbound	NB	1	462.5	0.29	9.7	32	1.3	25	6,883	4,467	48,079	1.193E-07	8.800E-08	2.6	1.21
FUG_SB_CRK	Clark Avenue Southbound	SB	1	462.3	0.29	9.7	32	1.3	25	6,883	4,465	48,058	1.193E-07	8.800E-08	2.6	1.21
Total										13,767						

Emission Factors - Fugitive PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Tire Wear - Emissions per Vehicle (g/VMT)	0.00197			
Brake Wear - Emissions per Vehicle (g/VMT)	0.00587			
Road Dust - Emissions per Vehicle (g/VMT)	0.01544			
Total Fugitive PM2.5 - Emissions per Vehicle (g/VMT)	0.02328			

Emission Factors from CT-EMFAC2017

2040 Hourly Traffic Volumes and Fugitive PM2.5 Emissions - FUG_NB_CRK

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.12%	77	1.43E-04	9	7.13%	491	9.12E-04	17	7.44%	512	9.52E-04
2	0.41%	28	5.25E-05	10	4.38%	301	5.60E-04	18	8.24%	567	1.05E-03
3	0.37%	25	4.73E-05	11	4.64%	319	5.94E-04	19	5.73%	394	7.33E-04
4	0.17%	12	2.17E-05	12	5.89%	405	7.54E-04	20	4.30%	296	5.50E-04
5	0.46%	32	5.89E-05	13	6.17%	425	7.89E-04	21	3.25%	224	4.16E-04
6	0.85%	59	1.09E-04	14	6.04%	416	7.73E-04	22	3.31%	228	4.23E-04
7	3.73%	257	4.77E-04	15	7.05%	485	9.02E-04	23	2.48%	171	3.17E-04
8	7.76%	534	9.93E-04	16	7.19%	495	9.20E-04	24	1.87%	129	2.39E-04
Total										6,882	

2040 Hourly Traffic Volumes Per Direction and Fugitive PM2.5 Emissions - FUG_SB_CRK

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.12%	77	1.43E-04	9	7.13%	491	9.12E-04	17	7.44%	512	9.51E-04
2	0.41%	28	5.24E-05	10	4.38%	301	5.60E-04	18	8.24%	567	1.05E-03
3	0.37%	25	4.73E-05	11	4.64%	319	5.93E-04	19	5.73%	394	7.33E-04
4	0.17%	12	2.17E-05	12	5.89%	405	7.53E-04	20	4.30%	296	5.50E-04
5	0.46%	32	5.88E-05	13	6.17%	425	7.89E-04	21	3.25%	224	4.16E-04
6	0.85%	59	1.09E-04	14	6.04%	416	7.72E-04	22	3.31%	228	4.23E-04
7	3.73%	257	4.77E-04	15	7.05%	485	9.02E-04	23	2.48%	171	3.17E-04
8	7.76%	534	9.92E-04	16	7.19%	495	9.19E-04	24	1.87%	129	2.39E-04
Total										6,882	

Ravenswood Specific Plan Update, East Palo Alto, CA - Off-Site Residential
 2040 Plus Project - University Avenue
 DPM Modeling - Roadway Links, Traffic Volumes, and DPM Emissions
 Year = 2040

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	Line Area					(Sigma z) Initial Vertical Dimension
											Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height (m)	
DPM_NB_UNI	University Avenue Northbound	NB	2	940.6	0.58	13.3	43.7	3.4	25	14,512	12,524	134,810	2.488E-09	1.835E-09	6.8	3.16
DPM_SB_UNI	University Avenue Northbound	SB	2	934.4	0.58	13.3	43.7	3.4	25	14,512	12,442	133,922	2.488E-09	1.835E-09	6.8	3.16
Total										29,024						

Emission Factors - DPM

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle (g/VMT)	0.00032			

Emission Factors from CT-EMFAC2017

2040 Hourly Traffic Volumes and DPM Emissions - DPM_NB_UNI

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	4.05%	588	3.03E-05	9	6.94%	1007	5.19E-05	17	6.65%	965	4.97E-05
2	3.47%	504	2.60E-05	10	8.53%	1238	6.38E-05	18	3.61%	524	2.70E-05
3	2.31%	335	1.73E-05	11	6.36%	923	4.76E-05	19	2.17%	315	1.62E-05
4	1.01%	147	7.55E-06	12	7.51%	1090	5.62E-05	20	0.87%	126	6.51E-06
5	1.30%	189	9.72E-06	13	6.94%	1007	5.19E-05	21	2.89%	419	2.16E-05
6	2.17%	315	1.62E-05	14	6.50%	943	4.86E-05	22	4.91%	713	3.67E-05
7	4.62%	670	3.46E-05	15	5.92%	859	4.43E-05	23	3.47%	504	2.60E-05
8	3.03%	440	2.27E-05	16	4.19%	608	3.13E-05	24	0.58%	84	4.34E-06
Total											14,512

2040 Hourly Traffic Volumes Per Direction and DPM Emissions - DPM_SB_UNI

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	4.05%	588	3.01E-05	9	6.94%	1007	5.16E-05	17	6.65%	965	4.94E-05
2	3.47%	504	2.58E-05	10	8.53%	1238	6.34E-05	18	3.61%	524	2.68E-05
3	2.31%	335	1.72E-05	11	6.36%	923	4.73E-05	19	2.17%	315	1.61E-05
4	1.01%	147	7.50E-06	12	7.51%	1090	5.58E-05	20	0.87%	126	6.46E-06
5	1.30%	189	9.66E-06	13	6.94%	1007	5.16E-05	21	2.89%	419	2.15E-05
6	2.17%	315	1.61E-05	14	6.50%	943	4.83E-05	22	4.91%	713	3.65E-05
7	4.62%	670	3.43E-05	15	5.92%	859	4.40E-05	23	3.47%	504	2.58E-05
8	3.03%	440	2.25E-05	16	4.19%	608	3.11E-05	24	0.58%	84	4.31E-06
Total											14,512

Ravenswood Specific Plan Update, East Palo Alto, CA - Off-Site Residential
 2040 Plus Project - University Avenue
 PM2.5 Modeling - Roadway Links, Traffic Volumes, and PM2.5 Emissions
 Year = 2040

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	Line Area					(Sigma z) Initial Vertical Dimension
											Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height (m)	
PM25_NB_UNI	University Avenue Northbound	NB	2	940.6	0.58	13.3	44	1.3	25	14,512	12,524	134,810	9.315E-09	6.868E-09	2.6	1.21
PM25_SB_UNI	University Avenue Northbound	SB	2	934.4	0.58	13.3	44	1.3	25	14,512	12,442	133,922	9.315E-09	6.868E-09	2.6	1.21
Total										29,024						

Emission Factors - PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle (g/VMT)	0.001188			

Emission Factors from CT-EMFAC2017

2040 Hourly Traffic Volumes and PM2.5 Emissions - PM25_NB_UNI

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.12%	163	3.14E-05	9	7.13%	1035	2.00E-04	17	7.44%	1080	2.08E-04
2	0.41%	59	1.15E-05	10	4.38%	636	1.23E-04	18	8.24%	1196	2.31E-04
3	0.37%	54	1.04E-05	11	4.64%	673	1.30E-04	19	5.73%	832	1.60E-04
4	0.17%	25	4.76E-06	12	5.89%	855	1.65E-04	20	4.30%	624	1.20E-04
5	0.46%	67	1.29E-05	13	6.17%	895	1.73E-04	21	3.25%	472	9.10E-05
6	0.85%	123	2.38E-05	14	6.04%	877	1.69E-04	22	3.31%	480	9.27E-05
7	3.73%	541	1.04E-04	15	7.05%	1023	1.97E-04	23	2.48%	360	6.94E-05
8	7.76%	1126	2.17E-04	16	7.19%	1043	2.01E-04	24	1.87%	271	5.24E-05
Total										14,509	

2040 Hourly Traffic Volumes Per Direction and PM2.5 Emissions - PM25_SB_UNI

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.12%	163	3.12E-05	9	7.13%	1035	1.98E-04	17	7.44%	1080	2.07E-04
2	0.41%	59	1.14E-05	10	4.38%	636	1.22E-04	18	8.24%	1196	2.29E-04
3	0.37%	54	1.03E-05	11	4.64%	673	1.29E-04	19	5.73%	832	1.59E-04
4	0.17%	25	4.73E-06	12	5.89%	855	1.64E-04	20	4.30%	624	1.20E-04
5	0.46%	67	1.28E-05	13	6.17%	895	1.72E-04	21	3.25%	472	9.04E-05
6	0.85%	123	2.36E-05	14	6.04%	877	1.68E-04	22	3.31%	480	9.21E-05
7	3.73%	541	1.04E-04	15	7.05%	1023	1.96E-04	23	2.48%	360	6.90E-05
8	7.76%	1126	2.16E-04	16	7.19%	1043	2.00E-04	24	1.87%	271	5.20E-05
Total										14,509	

Ravenswood Specific Plan Update, East Palo Alto, CA - Off-Site Residential
 2040 Plus Project - University Avenue
 TOG Exhaust Modeling - Roadway Links, Traffic Volumes, and TOG Exhaust Emissions
 Year = 2040

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	Line Area					(Sigma z) Initial Vertical Dimension
											Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	
TEXH_NB_UNI	University Avenue Northbound	NB	2	940.6	0.58	13.3	44	1.3	25	14,512	12,524	134,810	1.352E-07	9.969E-08	2.6	1.21
TEXH_SB_UNI	University Avenue Northbound	SB	2	934.4	0.58	13.3	44	1.3	25	14,512	12,442	133,922	1.352E-07	9.969E-08	2.6	1.21
Total										29,024						

Emission Factors - TOG Exhaust

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle (g/VMT)	0.01725			

Emission Factors from CT-EMFAC2017

2040 Hourly Traffic Volumes and TOG Exhaust Emissions - TEXH_NB_UNI

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.12%	163	4.55E-04	9	7.13%	1035	2.90E-03	17	7.44%	1080	3.02E-03
2	0.41%	59	1.67E-04	10	4.38%	636	1.78E-03	18	8.24%	1196	3.35E-03
3	0.37%	54	1.50E-04	11	4.64%	673	1.89E-03	19	5.73%	832	2.33E-03
4	0.17%	25	6.91E-05	12	5.89%	855	2.39E-03	20	4.30%	624	1.75E-03
5	0.46%	67	1.87E-04	13	6.17%	895	2.51E-03	21	3.25%	472	1.32E-03
6	0.85%	123	3.45E-04	14	6.04%	877	2.45E-03	22	3.31%	480	1.35E-03
7	3.73%	541	1.52E-03	15	7.05%	1023	2.87E-03	23	2.48%	360	1.01E-03
8	7.76%	1126	3.15E-03	16	7.19%	1043	2.92E-03	24	1.87%	271	7.60E-04
Total										14,509	

2040 Hourly Traffic Volumes Per Direction and TOG Exhaust Emissions - TEXH_SB_UNI

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.12%	163	4.52E-04	9	7.13%	1035	2.88E-03	17	7.44%	1080	3.00E-03
2	0.41%	59	1.66E-04	10	4.38%	636	1.77E-03	18	8.24%	1196	3.33E-03
3	0.37%	54	1.49E-04	11	4.64%	673	1.87E-03	19	5.73%	832	2.31E-03
4	0.17%	25	6.86E-05	12	5.89%	855	2.38E-03	20	4.30%	624	1.74E-03
5	0.46%	67	1.86E-04	13	6.17%	895	2.49E-03	21	3.25%	472	1.31E-03
6	0.85%	123	3.43E-04	14	6.04%	877	2.44E-03	22	3.31%	480	1.34E-03
7	3.73%	541	1.51E-03	15	7.05%	1023	2.85E-03	23	2.48%	360	1.00E-03
8	7.76%	1126	3.13E-03	16	7.19%	1043	2.90E-03	24	1.87%	271	7.55E-04
Total										14,509	

Ravenswood Specific Plan Update, East Palo Alto, CA - Off-Site Residential
 2040 Plus Project - University Avenue
 TOG Evaporative Emissions Modeling - Roadway Links, Traffic Volumes, and TOG Evaporative Emissions
 Year = 2040

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	Line Area					(Sigma z) Initial Vertical Dimension
											Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height	
TEVAP_NB_UNI	University Avenue Northbound	NB	2	940.6	0.58	13.3	44	1.3	25	14,512	12,524	134,810	2.558E-07	1.886E-07	2.6	1.21
TEVAP_SB_UNI	University Avenue Northbound	SB	2	934.4	0.58	13.3	44	1.3	25	14,512	12,442	133,922	2.558E-07	1.886E-07	2.6	1.21
Total										29,024						

Emission Factors - PM2.5 - Evaporative TOG

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Emissions per Vehicle per Hour (g/hour)	0.81597			
Emissions per Vehicle per Mile (g/VMT)	0.03264			

Emission Factors from CT-EMFAC2017

2040 Hourly Traffic Volumes and TOG Evaporative Emissions - TEVAP_NB_UNI

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.12%	163	8.61E-04	9	7.13%	1035	5.48E-03	17	7.44%	1080	5.72E-03
2	0.41%	59	3.15E-04	10	4.38%	636	3.37E-03	18	8.24%	1196	6.34E-03
3	0.37%	54	2.85E-04	11	4.64%	673	3.57E-03	19	5.73%	832	4.41E-03
4	0.17%	25	1.31E-04	12	5.89%	855	4.53E-03	20	4.30%	624	3.31E-03
5	0.46%	67	3.54E-04	13	6.17%	895	4.74E-03	21	3.25%	472	2.50E-03
6	0.85%	123	6.54E-04	14	6.04%	877	4.64E-03	22	3.31%	480	2.55E-03
7	3.73%	541	2.87E-03	15	7.05%	1023	5.42E-03	23	2.48%	360	1.91E-03
8	7.76%	1126	5.97E-03	16	7.19%	1043	5.53E-03	24	1.87%	271	1.44E-03
Total										14,509	

2040 Hourly Traffic Volumes Per Direction and TOG Evaporative Emissions - TEVAP_SB_UNI

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.12%	163	8.56E-04	9	7.13%	1035	5.45E-03	17	7.44%	1080	5.68E-03
2	0.41%	59	3.13E-04	10	4.38%	636	3.35E-03	18	8.24%	1196	6.29E-03
3	0.37%	54	2.83E-04	11	4.64%	673	3.54E-03	19	5.73%	832	4.38E-03
4	0.17%	25	1.30E-04	12	5.89%	855	4.50E-03	20	4.30%	624	3.28E-03
5	0.46%	67	3.51E-04	13	6.17%	895	4.71E-03	21	3.25%	472	2.48E-03
6	0.85%	123	6.49E-04	14	6.04%	877	4.61E-03	22	3.31%	480	2.53E-03
7	3.73%	541	2.85E-03	15	7.05%	1023	5.39E-03	23	2.48%	360	1.89E-03
8	7.76%	1126	5.93E-03	16	7.19%	1043	5.49E-03	24	1.87%	271	1.43E-03
Total										14,509	

Ravenswood Specific Plan Update, East Palo Alto, CA - Off-Site Residential
 2040 Plus Project - University Avenue
 Fugitive Road PM2.5 Modeling - Roadway Links, Traffic Volumes, and Fugitive Road PM2.5 Emissions
 Year = 2040

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	Line Area					(Sigma z) Initial Vertical Dimension (m)
											Area (sq m)	Area (sq ft)	Emission (g/s/m2)	Emission (lb/hr/ft2)	Initial Vertical height (m)	
FUG_NB_UNI	University Avenue Northbound	NB	2	940.6	0.58	13.3	44	1.3	25	14,512	12,524	134,810	1.825E-07	1.346E-07	2.6	1.21
FUG_SB_UNI	University Avenue Northbound	SB	2	934.4	0.58	13.3	44	1.3	25	14,512	12,442	133,922	1.825E-07	1.346E-07	2.6	1.21
Total										29,024						

Emission Factors - Fugitive PM2.5

Speed Category	1	2	3	4
Travel Speed (mph)	25			
Tire Wear - Emissions per Vehicle (g/VMT)	0.00197			
Brake Wear - Emissions per Vehicle (g/VMT)	0.00587			
Road Dust - Emissions per Vehicle (g/VMT)	0.01544			
Total Fugitive PM2.5 - Emissions per Vehicle (g/VMT)	0.02328			

Emission Factors from CT-EMFAC2017

2040 Hourly Traffic Volumes and Fugitive PM2.5 Emissions - FUG_NB_UNI

Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s	Hour	% Per Hour	VPH	g/s
1	1.12%	163	6.14E-04	9	7.13%	1035	3.91E-03	17	7.44%	1080	4.08E-03
2	0.41%	59	2.25E-04	10	4.38%	636	2.40E-03	18	8.24%	1196	4.52E-03
3	0.37%	54	2.03E-04	11	4.64%	673	2.55E-03	19	5.73%	832	3.14E-03
4	0.17%	25	9.33E-05	12	5.89%	855	3.23E-03	20	4.30%	624	2.36E-03
5	0.46%	67	2.52E-04	13	6.17%	895	3.38E-03	21	3.25%	472	1.78E-03
6	0.85%	123	4.66E-04	14	6.04%	877	3.31E-03	22	3.31%	480	1.82E-03
7	3.73%	541	2.05E-03	15	7.05%	1023	3.87E-03	23	2.48%	360	1.36E-03
8	7.76%	1126	4.26E-03	16	7.19%	1043	3.94E-03	24	1.87%	271	1.03E-03
Total										14,509	

2040 Hourly Traffic Volumes Per Direction and Fugitive PM2.5 Emissions - FUG_SB_UNI

Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile	Hour	% Per Hour	VPH	g/mile
1	1.12%	163	6.10E-04	9	7.13%	1035	3.89E-03	17	7.44%	1080	4.05E-03
2	0.41%	59	2.23E-04	10	4.38%	636	2.39E-03	18	8.24%	1196	4.49E-03
3	0.37%	54	2.02E-04	11	4.64%	673	2.53E-03	19	5.73%	832	3.12E-03
4	0.17%	25	9.26E-05	12	5.89%	855	3.21E-03	20	4.30%	624	2.34E-03
5	0.46%	67	2.51E-04	13	6.17%	895	3.36E-03	21	3.25%	472	1.77E-03
6	0.85%	123	4.63E-04	14	6.04%	877	3.29E-03	22	3.31%	480	1.80E-03
7	3.73%	541	2.03E-03	15	7.05%	1023	3.84E-03	23	2.48%	360	1.35E-03
8	7.76%	1126	4.23E-03	16	7.19%	1043	3.92E-03	24	1.87%	271	1.02E-03
Total										14,509	



Screening Report

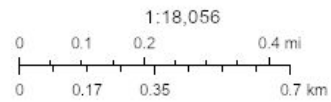
Area of Interest (AOI) Information

Area : 40,900,689.02 ft²

Jan 19 2023 11:00:54 Pacific Standard Time



- Permitted Stationary Sources



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Summary

Name	Count	Area(ft ²)	Length(ft)
Permitted Stationary Sources	9	N/A	N/A

Permitted Stationary Sources

#	FacID	FacName	Address	City	Street
1	11742	Sanford Metal Processing Co	990 O'Brien Drive	Menlo Park	CA
2	610	Cal Spray Inc	1905 Bay Road	East Palo Alto	CA
3	19870	Acclarent Inc	1525B O'Brien Drive	Menlo Park	CA
4	19898	Menlo Park Portfolio c/o Tarlton Properties	1505 O'Brien Drive	Menlo Park	CA
5	21156	Menlo Park Protection District	2290 University Avenue	East Palo Alto	CA
6	21311	West Bay Sanitary District	335 Demeter Street	East Palo Alto	CA
7	21321	Intersect ENT	1555 Adams Drive	Menlo Park	CA
8	18066	Menlo Business Park, LLC	1455 Adams Drive	Menlo Park	CA
9	200740	2401 Gloria Way Well Water Treatment	2401 GLORIA WAY	E PALO ALTO	CA

#	Zip	County	Latitude	Longitude	Details
1	94,025.00	San Mateo	37.47	-122.14	No Data
2	94,303.00	San Mateo	37.47	-122.13	No Data
3	94,025.00	San Mateo	37.48	-122.14	No Data
4	94,025.00	San Mateo	37.48	-122.14	Generator
5	94,303.00	San Mateo	37.47	-122.14	Generator
6	94,303.00	San Mateo	37.48	-122.13	Generator
7	94,025.00	San Mateo	37.48	-122.14	No Data
8	94,025.00	San Mateo	37.48	-122.14	Generator
9	94,303.00	San Mateo	37.47	-122.14	Generator

#	NAICS	Sector	Sub_Sector	Industry	ChronicHI
1	332,117.00	Manufacturing	Fabricated Metal Product Manufacturing	Powder Metallurgy Part Manufacturing	0.0004990
2	332,311.00	Manufacturing	Fabricated Metal Product Manufacturing	Prefabricated Metal Building and Component Manufacturing	0.0010700
3	339,112.00	Manufacturing	Miscellaneous Manufacturing	Surgical and Medical Instrument Manufacturing	0.0007940
4	531,120.00	Real Estate and Rental and Leasing	Real Estate	Lessors of Nonresidential Buildings (except Miniwarehouses)	0.0006539
5	922,160.00	Public Administration	Justice, Public Order, and Safety Activities	Fire Protection	0.0018882
6	221,320.00	Utilities	Utilities	Sewage Treatment Facilities	0.0003774
7	325,412.00	Manufacturing	Chemical Manufacturing	Pharmaceutical Preparation Manufacturing	0.0003091
8	531,120.00	Real Estate and Rental and Leasing	Real Estate	Lessors of Nonresidential Buildings (except Miniwarehouses)	0.0011232
9	221,320.00	Utilities	Utilities	Sewage Treatment Facilities	0.0001832

#	PM2_5	Cancer Risk {expression/expr0}	Chronic Hazard Index {expression/expr1}	PM2.5 {expression/expr2}	Count
1	0.0000000	No Data	0	No Data	1
2	0.0000891	No Data	0.001	0	1
3	0.0000000	No Data	0.001	No Data	1
4	0.0003096	0.249	0.001	0	1
5	0.0013257	1.035	0.002	0.001	1
6	0.0017683	1.405	0	0.002	1
7	0.0000000	No Data	0	No Data	1
8	0.0008729	0.69	0.001	0.001	1
9	0.0008583	0.682	0	0.001	1

NOTE: A larger buffer than 1000 feet may be warranted depending on proximity to significant sources.